



OPERATORS MANUAL AND SERVICE INFORMATION Iss 1

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IMPORTANT SAFETY INSTRUCTIONS



These symbols are internationally accepted symbols that warn of potential hazards with electrical products.



The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any of the ventilation openings. Install in accordance with the manufacturers instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments / accessories specified by the manufacturer.
12. Unplug this apparatus during lightning storms or when unused for long periods of time.
13. Refer all servicing to qualified personnel. Servicing is required when the apparatus is damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

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KLARK TEKNIK
SIGNAL PROCESSING BY DEFINITION

MIDAS
DESIGNED FOR A PURE PERFORMANCE

DECLARATION OF CONFORMITY

We, **Klark Teknik Group (UK) Plc**

of, Klark Teknik Building, Walter Nash Road, Kidderminster, Worcestershire, DY11 7HJ.

Declare that a sample of the following product:-

Product Type Number	Product Description	Nominal Voltage (s)	Current	Freq
Verona	Professional Audio Mixing Desk	115V AC 230V AC	2.2A 1.1A	50/60Hz

to which this declaration refers, is in conformity with the following directives and/or standards:-

Directive(s)	Test Standard(s)
<i>Generic Standard using EN55103 Limits and Methods</i>	
<i>Class B Conduct Emissions</i>	<i>EN55103</i>
<i>Class B Radiated Emissions</i>	<i>EN55103</i>
<i>Fast Transient Bursts</i>	<i>EN61000-4-4</i>
<i>Static Discharge</i>	<i>EN61000-4-2</i>
<i>Electrical Safety</i>	<i>EN60065:2002</i>
	<i>UL60065-03 Pending</i>
	<i>CAN/CSA60065-03 Pending</i>
	<i>IEC60065-2001 Pending</i>

Signed: 
Name: Simon Harrison

Date: 1st January 2004

Authority: Research and Development Director, Klark Teknik Group (UK) Plc

Attention!

Where applicable, the attention of the specifier, purchaser, installer or user is drawn to special limitations of use which must be observed when these products are taken into service to maintain compliance with the above directives. Details of these special measures and limitations to use are available on request and are available in product manuals.

Thank You for using a Midas Verona mixing console. The Verona has been developed to meet the needs of demanding live sound engineers and meets the quality of build and performance that you would expect from a Midas.

The Verona is an all purpose FOH, Monitor or FOH and Monitor Hybrid console that is quickly and easily configurable. Each mono input channel offers microphone and line inputs, direct output and insert points and four band sweep equaliser stage. In addition the Verona has a flexible buss structure allowing the engineer to mix in stereo or LCR.

The Verona, also allows the user to route to any of 20 other busses (8 Auxiliary Busses, 8 Group Busses and 4 Matrix Busses) for even the most demanding application.

All backed up, of course, by the standard Midas Three Year Warranty.

Please take the time to complete and return the registration card and, to obtain the best results with a minimum of effort, also read this operators manual.

Finally,

Enjoy your new Midas Verona Console!

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ATTENTION

The following special limitations must be observed in order to maintain safety and electromagnetic compatibility performance.

Power Connection

The console should only be operated with the power supply connected to ground via the ground in the mains connector.

Audio Connections

The console should only be operated with high quality twisted-pair audio cables. All connector shells should be of metal construction so that they provide a screen when connected to the console. All jack connector shells should be connected to the cable screen. All XLR plugs should have pin one (1) connected to the cable screen.

Electric Fields

If the console is operated in an electromagnetic field that is amplitude modulated by an audio frequency signal, the signal to noise ratio may be degraded. Degradation of up to 60dB may be experienced under extreme conditions (3V/m, 90% modulation).

INSTALLATION


Position

The position of the console will vary from venue to venue. However, when positioning the console for front of house usage it is worth placing the console in a position where the sound system used can be heard properly from the mix position. Try to avoid placing the console behind pillars or large objects, or mixing from a level above the speaker position (e.g. from a balcony).

Also try to avoid placing the console near or on any power distribution units or power amplifiers.

Power

If using an external power supply, it should be located as far away from the console as the connecting cable will allow. The power supply should be set for the voltage supply available in your area and plugged into the mains outlet using the cable provided.

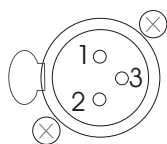


THE POWER SUPPLY SHOULD NEVER BE OPERATED WITH THE MAINS EARTH DISCONNECTED

Please note that the power supply contains **LETHAL VOLTAGES** greatly in excess of the mains voltage and that it's rails can produce extremely large currents which could burn out equipment and wiring if shorted. All testing and servicing should **ONLY** be carried out by a qualified engineer.

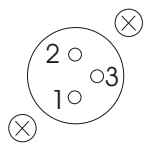
Connections

To ensure the correct and reliable operation of your Midas Verona console, only high quality screened twisted pair audio cable and metal bodied connectors should be used.



Female XLR

Pin 1 - Screen/Ground
Pin 2 - Hot Signal
Pin 3 - Cold Signal



Male XLR

Pin 1 - Screen/Ground
Pin 2 - Hot Signal
Pin 3 - Cold Signal

Note: Sockets are viewed from the front face.

Quarter Inch Jack

	TRS Signal	TRS Insert	TRS Headphone
Sleeve	Screen/Ground	Screen/Ground	Screen/Ground
Ring	Cold Signal	Insert Return	Right
Tip	Hot Signal	Insert Send	Left

RCA (Tape In/Out)

Centre - Signal
Surround - Screen

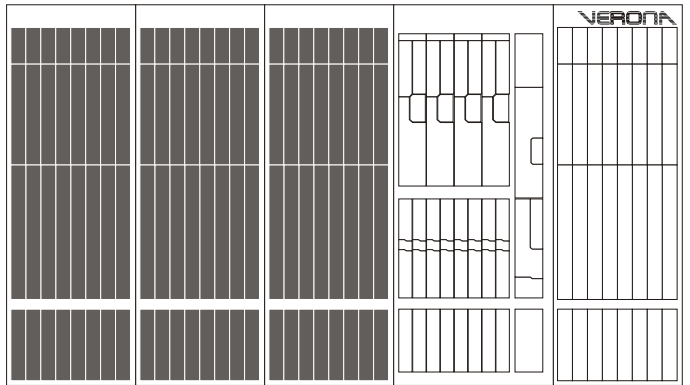
The Venice's Tape In/Out sockets are unbalanced and operate at a nominal signal level of -10dBu.

For increased protection against interference use metal bodied RCA plugs.



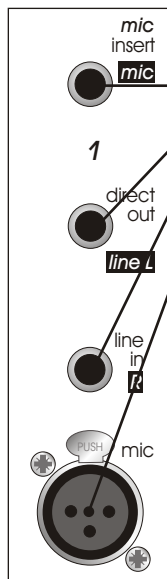


Mono Input Channel



Mono Input Channels

Rear Panel



The Verona channel inputs are located on the rear of the console. Each mono channel provides

- one insert point on a single TRS jack socket.
- one direct output on a single impedance balanced quarter-inch jack socket
- one line in quarter-inch TRS balanced jack socket
- one mic XLR female

The insert point is unbalanced and requires a conventionally wired insert lead where:

- Tip** - Channel Signal Send
- Ring** - Channel Signal Return
- Sleeve** - Signal Common Ground

The direct out and insert points operate at a nominal level of 0dBu.

Balanced XLR and Jack inputs are conventionally wired:

- XLR** - 1. Screen - 2. Hot Signal - 3. Cold Signal
- TRS** - T. Hot Signal - R. Cold Signal - S. Screen

Front Panel

The actual number of mono input channels on your Verona will depend upon your choice of frame, however functionality remains the same

48V Power - When depressed, the Verona will apply 48 volts phantom power to the microphone input. This is used to power condenser microphones, direct inject boxes and other devices that require phantom power.

The red phantom LED will light to indicate that 48V phantom is in operation.

Mic Ø - The mic phase switch, when depressed, causes a 180 degree phase change (with respect to the input signal) to occur in the input amplifier such that the channel signal will have opposite polarity to the input signal.

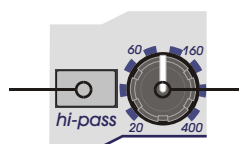
The mic phase switch is commonly needed where two microphones are used facing each other (for example when using a microphone on both the top and bottom of a snare drum). Ordinarily the two microphones would be out of phase causing cancellation when the console sums the two signals into the output. Reversing the phase of one signal causes the microphones to have the same phase and no cancellation.

Hi-Pass - The high pass switch enables high pass filter on the microphone input. This is commonly used to remove handling noise, bass rumble through coupling with the stage or mains hum.

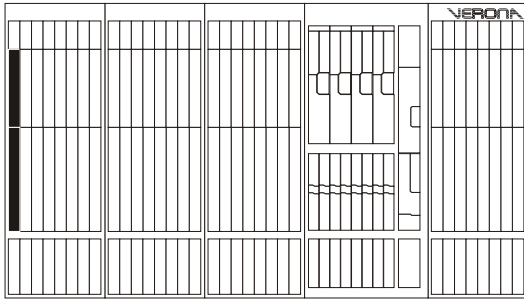
-15dB Pad - The Pad switch provides 15dB attenuation to the input signal allowing for the connection of high output microphones and line level signals without overloading the channel input amplifier. Overloads are indicated on the in-channel meter by the red LED at the top.

Mic Gain - The mic gain is continuously variable from +15dB to +60dB (0dB to +45dB with the Pad enabled). The actual value of the gain required will depend upon the source and should ideally be set such that peaks in level on the input should not cause the input amplifier to overload (occasional peaks of +12dB is okay, +18dB is too high).

Ins - The ins switch enables the channel insert point by connecting the insert return to the channel signal path so that compressors, gates or other dynamic and signal processors or effects can be used.

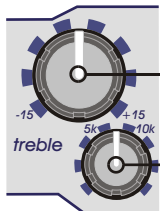


High Pass Frequency - The cutoff frequency of the high pass filter is continuously variable from 20Hz to 400Hz.

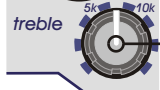


Channel Equalisation

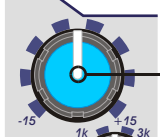
Each mono input channel of the Verona has a four (4) band sweep EQ allowing tonal control over the input signal.



Treble (Gain) - The gain of the treble equaliser is continuously variable from -15dB to +15dB with a centre detent at 0dB.



Treble (frequency) - The centre frequency of the treble equaliser is continuously variable from 2kHz to 20kHz.



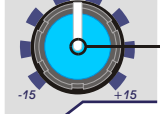
Hi-Mid (Gain) - The gain of the hi-mid equaliser is continuously variable from -15dB to +15dB with a centre detent at 0dB.



Hi-Mid (frequency) - The centre frequency of the hi-mid equaliser is continuously variable from 400Hz to 8kHz.



Lo-Mid (frequency) - The centre frequency of the lo-mid equaliser is continuously variable from 100Hz to 2kHz.



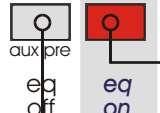
Lo-Mid (Gain) - The gain of the lo-mid equaliser is continuously variable from -15dB to +15dB with a centre detent at 0dB.



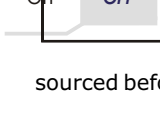
Bass (frequency) - The centre frequency of the bass equaliser is continuously variable from 20Hz to 200Hz.



Bass (Gain) - The gain of the bass equaliser is continuously variable from -15dB to +15dB with a centre detent at 0dB.

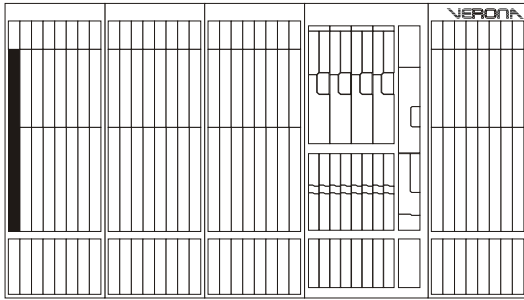


EQ On - The Equaliser can be enabled by depressing the EQ On switch. Otherwise changes on the Equaliser controls have no effect. This can be used to compare the sound with and without EQ during sound check.



EQ Off (aux pre) - If desired, the channel signal can be sent to the auxiliary outputs without equalisation. Depressing the EQ Off (Aux Pre) switch causes pre-fader auxiliary sends 1-6 to be sourced before the channel equaliser (Pre-EQ). Note: Post fader sends are always Post EQ.





Auxiliary Outputs

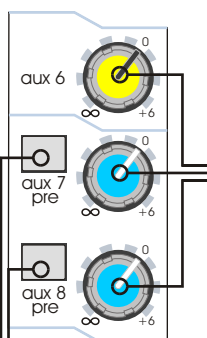
The Verona has 8 auxiliary outputs which can be used for effects sends, monitors or as extra assignable outputs from the console.

Pre-Fade auxiliary (aux) sends are sourced after the channel Insert, Mute and EQ but before the channel fader (and EQ if the Aux Pre EQ switch is depressed). As a result, the actual level sent to the aux buss is proportional to the aux send control only.

Post-Fade aux sends are sourced after the channel Insert, Mute, EQ and channel Fader. As a result, the actual level sent to the aux buss is proportional to the aux send control AND the channel fader.

Typical uses of auxiliaries are:

Application	Pre/Post Fade	Reason
Stage Monitors	Pre (Post-EQ)	The level in the monitor stays constant so that the engineer can change the FOH level without affecting the performer.
Effects Sends	Post	The level sent to the effects is proportional to the level on the fader so the balance between wet (processed) and dry (un-processed) sound stays the same even when the channel level is changed
Multi Track Recording or Monitors from FOH	Pre (Pre-EQ)	The recording is made at constant level without any equalisation so that changes in the mix level and EQ can be set in post-production. (You can also use the Direct Out for this but the output will be at unity).
Mixed Recording (for the artist)	Post(Post-EQ)	If the aux is set to unity, the FOH mix is replicated on the aux output including EQ but excluding PAN.



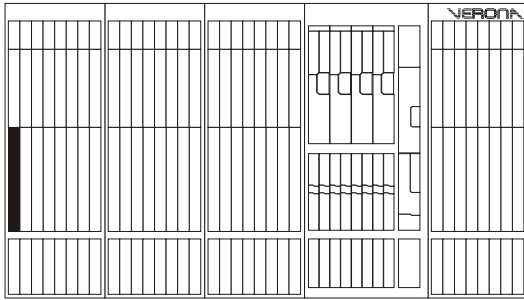
Aux sends 1 through 6 are globally switched Pre or Post Fader. However, Aux 7 and 8 may be individually sourced either Post Fader or Pre Fader using the selector switch on the channel and can not be set pre-EQ.

Please note that, for illustration purposes, auxiliary 1 through 5 sends have been omitted but work in the same manner as auxiliary 6 (illustrated).

Aux Send Level - The auxiliary send level is continuously variable from off (-inf) to +6dB.

Aux 7/8 Pre - Auxiliary 7 and 8 sends are assignable Pre of Post fader. When depressed, the auxiliary is sourced pre-fader (i.e. the channel fader has no effect upon the level of the signal sent to the auxiliary).

Note: When a channel Mute is enabled, aux sends for the channel are also muted.



Pan and Routing

The Verona is a flexible mixing console with eight group buss outputs plus stereo and mono outputs.

Groups

Signal can be routed to any of the eight group busses by depressing the corresponding group select switch.

Group sends are post channel equalisation, mute and fader.

The group sends can be configured in either of two modes:-

1. Pre-Pan (mono)

Each group is sent the same mono signal.

i.e. Selecting 1, 2 & 3 will send to each group equally.

2. Post-Pan (stereo)

Each pair of groups behave as if they were stereo groups. The mono signal is positioned in a stereo field by the pan control. The Left signal is routed to the odd numbered buss and the right to the even numbered buss.

i.e. Selecting groups 1, 2 & 3 with pan hard left will result in signal being routed to groups 1 & 3 only. Similarly, with pan hard right, signal will be sent only to group 2.

This configuration is made by depressing the 'Groups Pan' key for stereo group operation or released for mono group mode.

This selection, however, is on a channel-by-channel basis and so some may be assigned to the groups as mono or as stereo depending upon the desired usage.

For example:

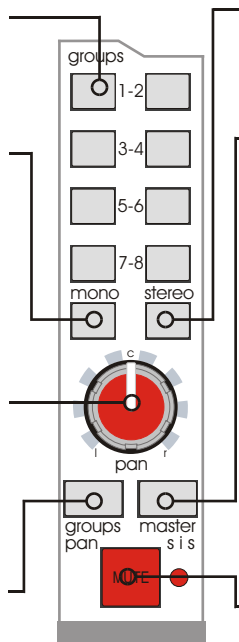
Application	Config.	Reason
Multitrack Recording	Mono	Inputs can be sent to a particular input on the multitrack recorder without affecting the stereo image used at FOH.
Alternative/Delay Output	Stereo	The Group would behave in the same manner as the stereo output allowing for separate level control but retaining the original stereo image from FOH.

Group 1-8 - Depressing the group switch routes the channel signal to the group busses as described above.

Mono - Depressing the mono switch routes the channel signal to the mono buss (post-EQ, mute and fader).

Pan - The pan control allows the channel signal to be positioned in a stereo field when routed to the stereo buss or when group sends are configured to be stereo. The pan control allows continuous adjustment of the image from hard left, to hard right with a centre detent and obeys a constant power law (i.e. -3dB at the centre so that the output power remains at unity).

Groups Pan - As described above the Verona's group sends may be configured by depressing the 'Groups Pan' key for stereo group operation or released for mono group mode.



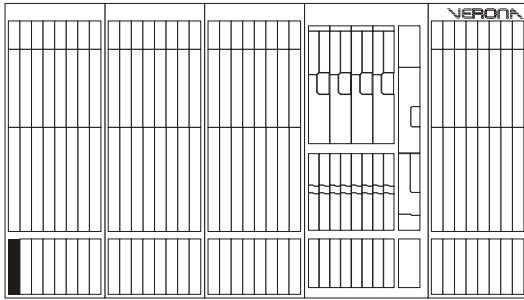
Stereo - Depressing the stereo switch routes the channel signal to the stereo (main left and right) buss (post-EQ, pan, mute and fader).

Master SIS - The master SIS switch will enable the spacial imaging system whereby the channel pan control operates in a different way. When panned hard left, signal is routed to the stereo left output as normal, similarly when panned hard right, the signal is routed to the stereo right output as normal. However, when panned centre, the signal is routed ONLY to the mono output creating a LCR (left-centre-right) system instead of the normal LR (left-right) system.

You may use SIS mode if using a centre speaker for speech or solo instruments while retaining the stereo for backing vocals and instruments.

Mute - The mute switch mutes the channel signal. Note that signal will still be sent to the insert point and to the direct output. The mute status of the channel is indicated by the corresponding mute LED

Mono Input Channels



Solo - When depressed, the channel signal will be sent to the After Fade Listen (AFL) stereo and Pre Fade Listen (PFL) mono outputs. The solo LED indicator will illuminate to show that the channel solo is active.

The Left and Right Monitor and the PFL console outputs can be used, for example, when operating from within a booth to hear selected solos and not the whole FOH mix.

Note: If Solo In Place is activated on the console, any active input solos will replace the master outputs completely until the solo is removed.

Channel Fader - The channel fader allows for continuous adjustment of the channel level from off (-inf) to +10dB.

At 0dB, the output of the channel to the Stereo, Mono and Group busses will be at unity (i.e. no boost or cut in level from the input).

Mute 1,2,3 & 4 - The Verona has four (4) automute busses that can be controlled from the centre section of the console. To assign an input channel to an automute, switch in the desired mute switch.

Commonly, these are used to mute similar channels, for example:

Channels	Reason
Drum Mics	Allows the engineer to mute the whole drum kit at once.
Choir Overheads	Allows the engineer to quickly remove all choir mics at once
Orchestra Parts	Allows the engineer to zone mics together (e.g. Brass, Strings, etc.) and mute sections together if they were not playing.

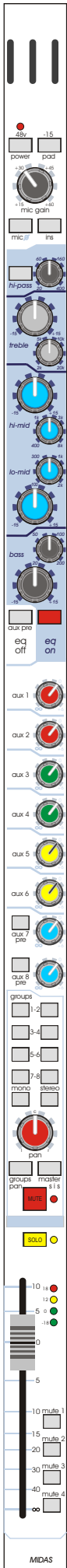
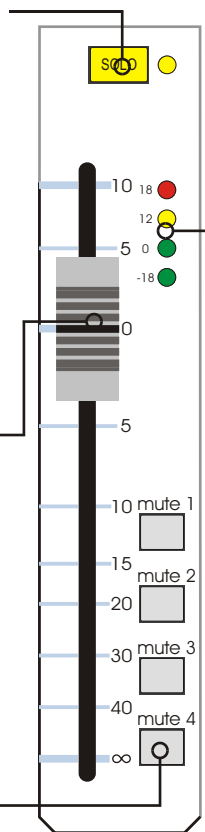
Note that if any assigned automute or the channel mute is activated then the channel will be muted until all assigned automutes and the channel mute are removed (i.e. the mutes work like a logical OR where any single or combination of mutes will mute the channel output).

4 LED Meter - Each input channel contains in-channel monitoring allowing the user to monitor the input signal without the need for using the PFL.

The in-channel meter is especially useful when setting the microphone gain of a channel. Also, as the meter is post-EQ, it is possible to see the effect that the channel equalisation has upon the level. It may be necessary to turn the input gain down when excessive EQ is used to prevent the channel from overloading.

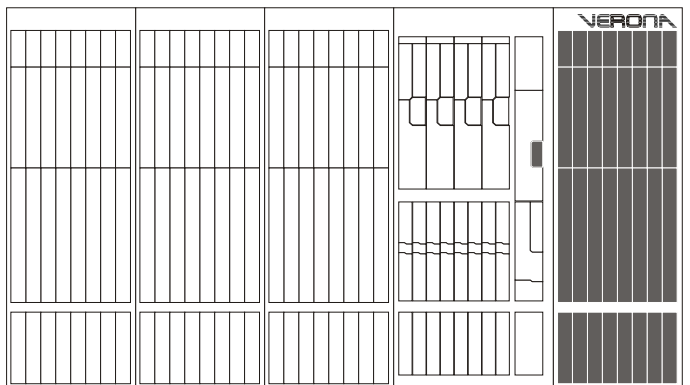
- 18db - Signal Present
- 0dB - Normal Level
- +12dB - High Level
- +18dB - Overload (Peak)

Note: The LED meter and the direct output are fed from the same source and are Post-Insert and EQ but Pre-Fader and Mute. The channel in-line meter and direct output are unaffected by the channel mute or automutes.



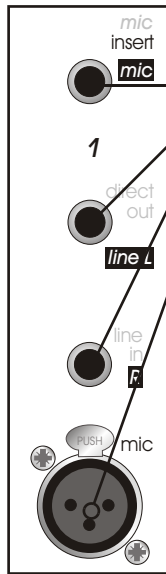


Multi Function Input Channel



Multi Function Input Channels

Rear Panel



The Verona channel inputs are located on the rear of the console. Each multifunction channel provides:

- one insert point on a single TRS jack socket;
- two quarter-inch TRS balanced line in jack socket inputs;
- one mic XLR female.

The insert point operates on the XLR microphone input only (i.e. not on the line inputs) and is unbalanced and conventionally wired insert where:

- Tip** - Channel Signal Send
- Ring** - Channel Signal Return
- Sleeve** - Signal Common Ground

The direct out and insert points operate at a nominal level of 0dBu.

Balanced XLR and Jack inputs are conventionally wired:

- XLR** - 1. Screen - 2. Hot Signal - 3. Cold Signal
- TRS** - T. Hot Signal - R. Cold Signal - S. Screen

Front Panel

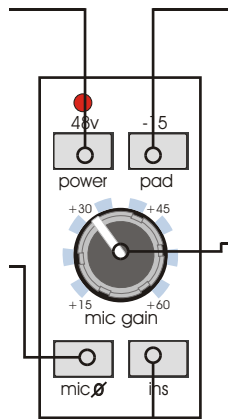
The actual number of multifunction input channels on your Midas Verona will depend upon your choice of frame. However, each frame functions in essentially the same way.

48v Power - When depressed, the Verona will apply 48 volts phantom power the channel's microphone input to power condenser microphones, direct inject boxes or other devices that require phantom power.

The red phantom power LED will light to indicate that phantom power is being applied.

Mic Ø - The microphone phase switch causes a 180 degree phase change (with respect to the input) to occur in the input amplifier inverting the phase of the microphone signal to the channel. This is generally desirable when trying to sum two signals that are out of phase which would lead to cancellation (especially at low frequencies). For example, when trying to use microphone signals from both the top and bottom head of a snare drum.

Note: On stereo channels, the phase switch has no effect upon the left and right line inputs.



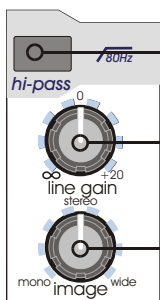
Pad - The Pad switch provides 15dB attenuation on the input to allow the connection of high output microphones and line level signals (to the microphone input) without overloading the channel's input amplifier.

Note: On multifunction channels, the Pad switch has no effect upon the left & right line level inputs.

Mic Gain - The microphone gain is continuously variable from +15dB to +60dB (effective channel input gain 0dB to +45dB with pad enabled). The pre-fade channel input level can be monitored on the in-channel LED meter (discussed later in this section).

Ins - The insert switch enables the channel insert point by connecting the insert return to the channel signal signal path. This allows for the insertion of dynamic processors or effects into the signal path (for example, compression, limiting or gating of microphone signals).

Note: On stereo channels, the channel insert has no effect upon the left and right line inputs.

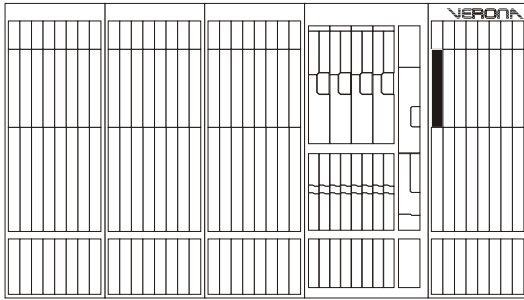


Hi-Pass - The high pass switch enables an 80Hz high pass filter on the microphone input. This is commonly used to remove handling noise, bass rumble through coupling with the stage or mains hum.

Line Gain - The line gain is continuously variable from off (-inf) to +20dB allowing for low level line signals to be trimmed to obtain the optimal signal level. The pre-fade input signal level can be monitored using the in-channel LED meter (discussed later in this section).

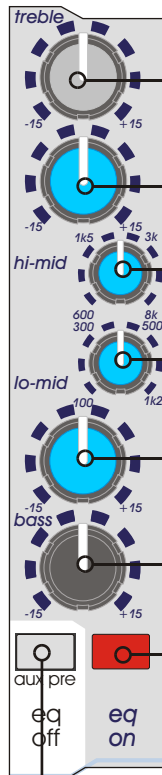
Image - The image control controls the stereo image of the channel and is continuously variable from mono through Left-Right stereo to a wide stereo image. The wide stereo image uses phase cancellation techniques to create a 'wider' sounding signal by removing an amount of signal common to both the left and right signals.

Multi Function Input Channels



Channel Equalisation

The Verona's multifunction channels each have treble and bass shelving EQ and hi and lo-mid sweep EQ stages for tonal control.



Treble - The treble shelving EQ gain is continuously variable from -15dB to +15dB.

Hi-Mid Gain - The Hi-mid gain is continuously variable from -15dB to +15dB.

Hi-Mid Frequency - The centre frequency of the hi-mid EQ is continuously variable from 600Hz to 8kHz allowing the operator to select the desired centre frequency for the equaliser.

Lo-Mid Frequency - The centre frequency of the lo-mid EQ is continuously variable from 100Hz to 1.2kHz allowing the operator to select the desired centre frequency for the equaliser.

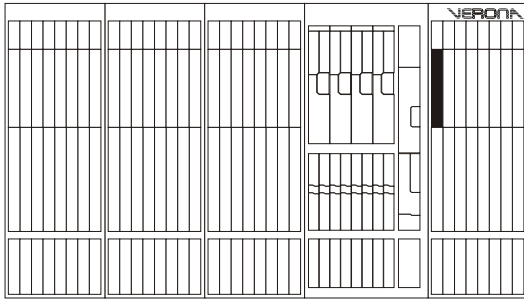
Lo-Mid Gain - The Lo-mid gain is continuously variable from -15dB to +15dB.

Bass Gain - The bass shelving EQ gain is continuously variable from -15dB to +15dB.

EQ On - The channel equalisation stages are enabled by depressing the EQ on switch. Otherwise the settings of the channel EQ will have no effect.

EQ Off (aux Pre) - When depressed, auxiliary sends 1 through 6 will be sourced pre-equalisation. Otherwise auxiliary sends will be sourced post EQ. The use of this option depends upon how the auxiliary sends are to be used.

Multi Function Input Channels



Auxiliary Outputs

Note: Multifunction channel signals are summed into a mono signal which can be routed to the auxiliary busses by the channel aux sends.

The Verona has eight (8) auxiliary outputs which can be used for effects sends, monitor sends or as extra assignable outputs from the console.

Pre-Fade auxiliary (aux) 1-6 sends are sourced after the channel Insert, Mute and EQ but before the channel fader (and EQ if the Aux Pre EQ switch is depressed). As a result, the actual level sent to the aux buss is proportional to the aux send control only.

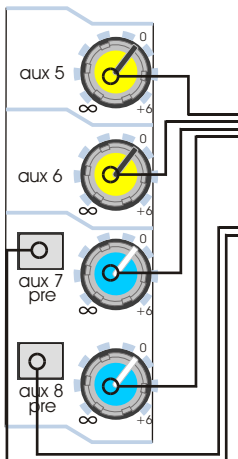
Post-Fade aux sends are sourced after the channel Insert, Mute, EQ and channel Fader. As a result, the actual level sent to the aux buss is proportional to the aux send control AND the channel fader.

Typical uses of auxiliaries are:

Application	Pre/Post Fade	Reason
Stage Monitors	Pre (Post-EQ)	The level in the monitor stays constant so that the engineer can change the FOH level without affecting the performer.
Effects Sends	Post	The level sent to the effects is proportional to the level on the fader so the balance between wet (processed) and dry (un-processed) sound stays the same even when the channel level is changed
Multi Track Recording	Pre (Pre-EQ)	The recording is made at constant level without any equalisation so that changes in the mix level and EQ can be set in post-production. (You can also use the Direct Out for this but the output will be at unity).
Mixed Recording	Post (Post-EQ)	If the aux is set to unity, the FOH mix is replicated on the aux output including EQ but excluding PAN.

Aux sends 1 through 6 are always globally switchable pre or post fader. However, Aux 7 and 8 may individually be sourced either Post Fader or Pre Fader using the selector switch on the channel and can not be pre-EQ.

Please note that, for illustration purposes, auxiliary 1 through 4 sends have been omitted but work in the same manner as auxiliary 6 (illustrated).



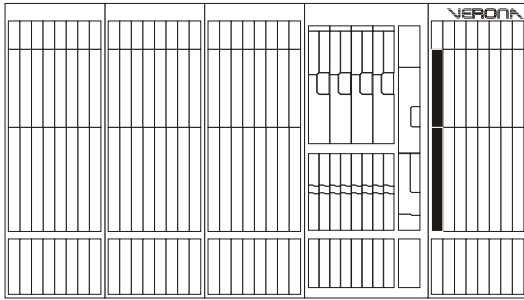
Aux Send Level - The auxiliary send level is continuously variable from off (-inf) to +6dB.

Aux 7/8 Pre - Both aux 7 and aux 8 are assignable Pre or Post fader. When depressed, the auxiliary is sourced pre-fader (i.e. the channel fader has no effect upon the level of the signal sent to the auxiliary).

Note: When a channel Mute is enabled, aux sends for the channel are also muted, however when a signal is sent pre-fader (for example to stage monitoring) the signal will continue to be sent to the auxiliary buss even when the channel fader is at the off position. This can be very embarrassing, for example, when queueing up backing tracks during a show without the channel mute enabled (and playing the track to whoever may be on stage at the time)

NOTE: Stereo modules can equally be used for mono signals (plugged in via the microphone socket). The EQ on the stereo channels has fixed frequency high and low sections which are optimised for vocals.

Multi Function Input Channels



Pan and Routing

The Verona is a flexible mixing console with eight group buss outputs plus stereo and mono outputs.

Groups

Signal can be routed to any of the eight group busses by depressing the corresponding group select switch.

Group sends are post channel equalisation, mute and fader.

The group sends can be configured in either of two modes:-

1. Pre-Pan (mono)

The stereo signals are sent to the busses as a mono sum of L & R regardless of the pan control.

2. Post-Pan (stereo)

Each pair of groups behave as if they were stereo groups. The relative odd and even numbered send level is controlled by the pan control.

This configuration is made by depressing the 'Groups Pan' key for stereo group operation or released for mono group mode.

This selection is on a channel-by-channel basis and so some may be assigned to the groups as mono or as stereo depending upon the desired usage which is especially useful if the stereo input is to be used as a mono input.

For example:

Application	Config.	Reason
Multitrack Recording	Mono	Inputs can be sent to a particular input on the multitrack recorder without affecting the stereo image used at FOH.
Alternative/Delay Output	Stereo	The Group would behave in the same manner as the stereo output allowing for separate level control but retaining the original stereo image from FOH.

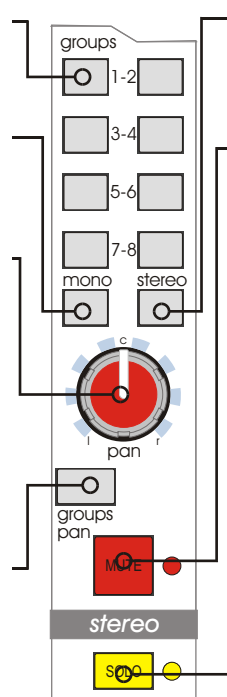
Group 1-8 - Depressing the group switch routes the channel signals as described above.

Mono - Depressing the mono switch routes the channel signals to the mono buss (post-EQ and fader).

Pan - The pan control allows continuous reciprocal adjustment of the stereo image created by the channel. In the case of a mono microphone signal this will be a simple L-R pan, where, with a stereo signal this will be a balance allowing the user to determine the relative output power to each the Left and Right output. At all points the pan retains constant power (i.e. -3dB at the centre, 0dB at each extreme).

Groups Pan - As described above the Verona's group sends may be configured by depressing the 'Groups Pan' key for stereo group operation or released for mono group mode.

Note: That SIS is not available on stereo input channels.



Stereo - Depressing the stereo switch routes the channel signals to the stereo (main left and right) buss (post-EQ, pan and fader).

Mute - The mute switch mutes the channel signal. Note that signal will still be sent to the insert point and to the direct output. The mute status of the channel is indicated by the corresponding mute LED.

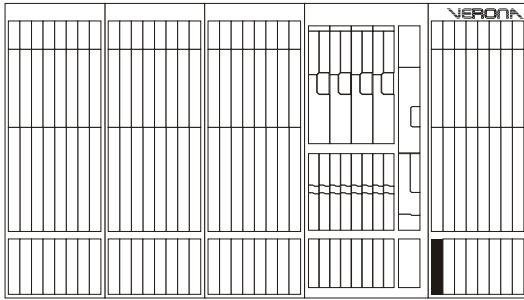
The channel can also be muted by the four (4) assignable mute groups which will be explained later in this section.

Solo - When depressed, the channel signal will be sent to the AFL stereo and PFL mono outputs. The solo LED indicator will illuminate to show that the channel solo is active.

The Left and Right Monitor and the PFL console outputs can be used, for example, when operating from within a booth to hear selected solos and not the whole FOH mix.

Note: If Solo In Place is activated on the console, any active solos will replace the master outputs completely until the solo is removed.

Multi Function Input Channels

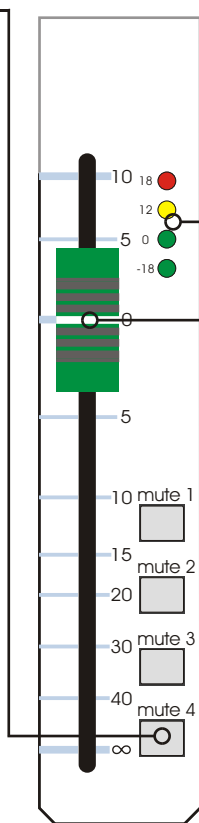


Mute 1,2,3 & 4 - The Verona has four (4) automute busses that can be controlled from the centre section of the console. To assign an input channel to an automute, switch in the desired mute switch.

Commonly, these are used to mute similar channels, for example:

Channels	Reason
Drum Mics	Allows the engineer to mute the whole drum kit at once.
Choir Overheads	Allows the engineer to quickly remove all choir mics at once
Orchestra Parts	Allows the engineer to zone mics together (e.g. Brass, Strings, etc.) and mute sections together if they were not playing.

Note that if any assigned automute or the channel mute is activated then the channel will be muted until all assigned automutes and the channel mute are removed (i.e. the mutes work like a logical OR where any single or combination of mutes will mute the channel output).



4 LED Meter - Each input channel contains in-channel monitoring allowing the user to monitor the input signal without the need for using the PFL.

The in-channel meter is especially useful when setting the microphone gain of a channel. Also, as the meter is post-EQ, it is possible to see the effect that the channel equalisation has upon the level. It may be necessary to turn the input gain down when excessive EQ is used to prevent the channel from overloading.

Note: The LED meter is Post-Insert and EQ but Pre-Fader and Mute.

Channel Fader - The channel fader allows for continuous adjustment of the channel level from off (-inf) to +10dB.

At 0dB, the output of the channel to the Stereo, Mono and Group busses will be at unity (i.e. no boost or cut in level from the input).

Multi Function Module hints & Tips

I want direct outs for recording but multi function channels don't have any . . .

The multi function channels don't have a specifically labelled direct output BUT, if you are using a microphone input and don't need to use the insert channel, you can insert a standard unbalanced quarter-inch jack lead into the insert point and use this as a direct output. This will work on the condition that you do not activate the insert point on the channel strip (the insert switch) as this will cause signal to the channel to be lost.

To see for yourself why this works, look at the block diagrams later in the manual.

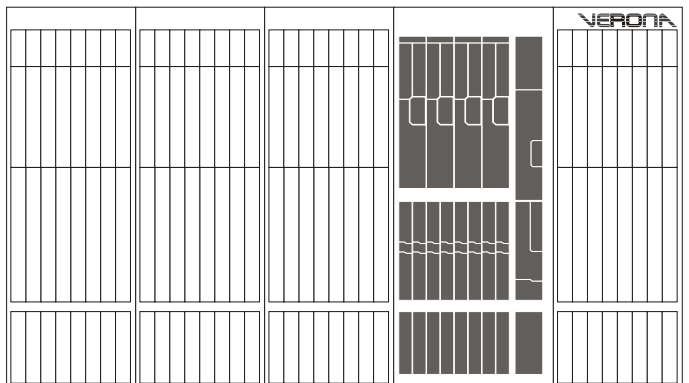
I'm running monitors from FOH and I've run out of auxes for effects . . .

To add effects to a mono mic on a multifunction channel, use the insert send of the channel into the effects unit and the stereo outputs into the stereo line inputs of the same channel. Use the mic gain for the mic and the line gain for the effect return level. Now the aux sends and channel fader will control both the mic and effects.



Output Module

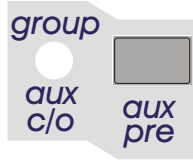
- groups -
- auxes -
- masters -
- matrixes -
- talk buss -
- solo control -
- automutes -



Output Module Notes

Before looking at the function of the output section of the console it is essential that the user is first comfortable with a few of the console's features that affect groups, matrixes and auxes. Rather than discuss these features in each section (although they will be repeated there) an understanding of their function in a more general context is desirable.

Group Aux Changeover



The Verona is a dual purpose console. That is, that the Verona is equally as comfortable as a monitor console as it is as a front of house console.

What does this actually mean?

Monitor engineers tend to prefer the output faders on their console to operate the auxiliary outputs (for monitors) where **Front of House** engineers would rather have their output faders for groups (either for sub mixes or delay/alternative outputs).

The Verona achieves this flexibility using the **group aux c/o** (changeover) switch. Each output can be individually 'changed over' so that the group output path becomes that of the aux output and vice versa.

Why not buy a monitor or FOH console?

The Verona has been developed with real world sound engineers in mind. The real flexibility of the Verona is in the speed in which the change over can be made and also the ability to create a **hybrid** console that can be used for FOH and monitors for the smaller venue where you still need monitors but don't have space or money for a monitor engineer or console.

Depressing the group aux changeover switch (using a pointed object such as a pencil) will connect the auxiliary buss to the group **insert**, group **mute**, group **fader**, group **pan** and finally the group **output XLR**.

The group buss is connected to the auxiliary output **pot** and to the auxiliary **output XLR**.

This routing flexibility is available on each group/aux buss.

Meter Changeover



It is possible on the Verona to change the group meters to monitor the aux or matrix output rather than the group output. For example, if using the matrix outputs to drive delay speakers, it may be desirable to monitor the output from those outputs.

When depressed, the **aux** switch will send the aux signal to the meter array (note that, if you have used group aux c/o, the aux switch should really read group!).

When depressed, the **mtx** switch will send the matrix signal to the meter array. This switch ALWAYS overrides the aux meter select switch and must be released to allow the aux signal to be sent to the meter array.

Note: Meters are Post Fader and Post Mute

TIP

If you wish to understand more about how the Verona routes its signals, please refer to the block diagram section of this manual.

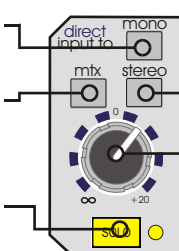
Direct Inputs

The Verona has four (4) direct inputs on balanced TRS quarter-inch jack sockets located next to the matrix outputs on the rear panel which can be used for console linking or effects returns.

Mono - Routes the direct input to the main mono buss.

Mtx - Routes the direct input to the similarly numbered matrix buss (i.e. 1 through 4).

Solo - Routes the direct input to the mono PFL and stereo AFL buss

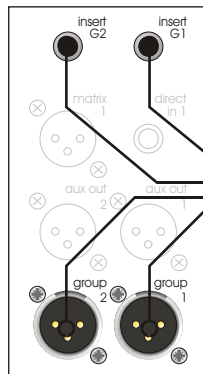


Stereo - Routes the mono direct input to the main stereo Left and Right busses equally.

Level - The direct input level is continuously variable from off (-inf) to +20dB.

Verona Group Outputs

Rear Panel



Each group buss can be connected to external equipment by means of one single balanced male XLR socket (0dBu nominal level).

In addition to this, each group can be inserted into by means of a single unbalanced quarter-inch TRS jack conventionally wired (0dBu nominal level).

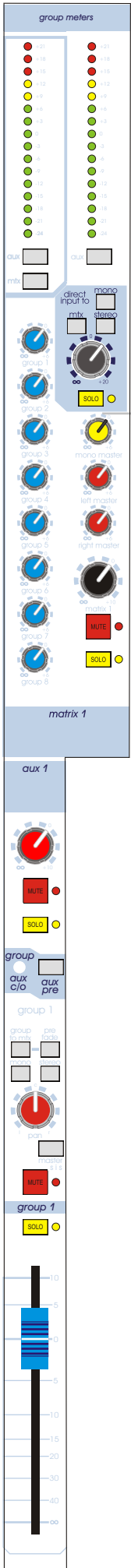
Group Insert
Group Output

XLR Sockets

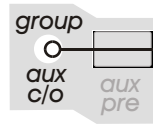
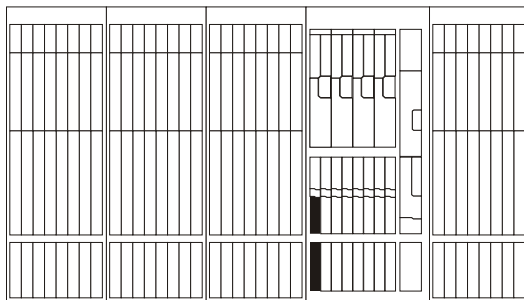
1 - Screen 2 - Signal Hot 3 - Signal Cold

TRS Insert Jacks

T - Signal Send R - Signal Return S - Screen



Front Panel



Group Aux C/O - The group auxiliary changeover switch is described on the previous page. When enabled, auxiliary signals are routed into the group output controls and hence group should be mentally changed to 'aux'.

Group to Mtx - The group to mtx switch routes the group signal to the matrix send pots (discussed later in this section).

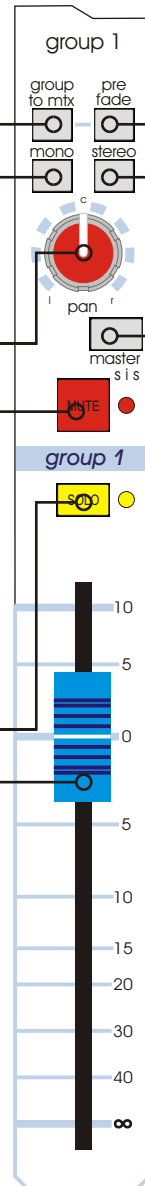
Mono - When depressed, the signal will be sent to the main mono buss via the master sis switch.

Pan - The pan control allows the channel signal to be positioned in a stereo field when routed to the stereo buss. The pan control allows continuous adjustment of the image from hard left, to hard right with a centre detent and obeys a constant power law (i.e. -3dB at the centre so that the output remains at unity).

Mute - The mute switch mutes the group signal at all points after the insert return (and hence any matrix sends).

Solo - The solo switch sends the group signal to the AFL stereo and PFL mono busses.

Fader - The fader allows continuous adjustment of the group output level from off (-inf) to +10dB.



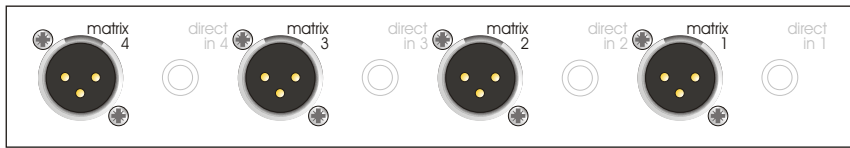
Pre-Fade (Group to Mtx) - When depressed, the signal sent to the matrix send pots is sourced pre-fader and hence the level will be proportional to the matrix send pot only. This may be desirable if using the matrix for recording or monitoring (e.g. stage side fills).

Stereo - When depressed, the signal will be sent to the main stereo buss via the pan and master sis switch.

Master SIS - The master SIS switch will enable the spacial imaging system whereby the channel pan control operates in a different way. When panned hard left, signal is routed to the stereo left output as normal, similarly when panned hard right, the signal is routed to the stereo right output as normal. However, when panned centre, the signal is routed ONLY to the mono output creating a LCR (left-centre-right) system instead of the normal LR (left-right) system.

Verona Matrix Outputs

Rear Panel

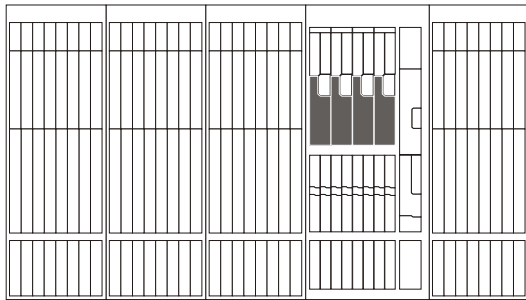


The Verona's matrix outputs can be found on the rear of the console.

Four male XLR sockets are provided, one for each matrix output.

XLR Wiring

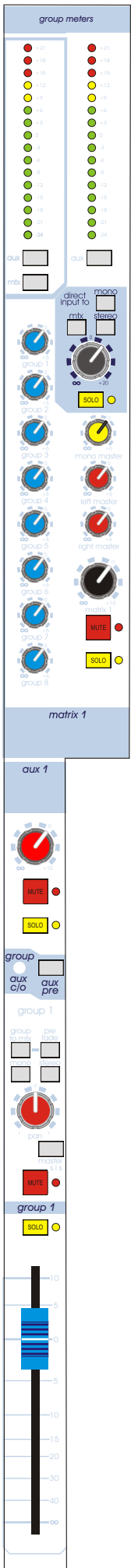
Pin 1 - Shield, Pin 2 - Hot Signal, Pin 3 - Cold Signal



Front Panel

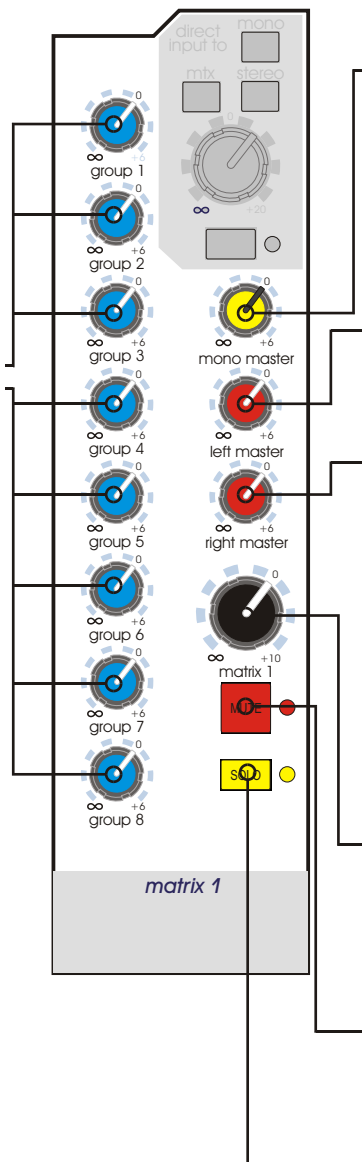
The matrix provides another four outputs from the console which can be 'made' from a combination of the console's other outputs.

The matrix signal can be made by combination of the group buss signals and mono, left and right master signals. They can be used to drive additional speaker zones or as effects sends from the groups (like the auxes from inputs)



Group (1-8) - The group level sent to the matrix is continuously variable from off (-inf) to +6dB. Unity (0dB) is also marked on the scale allowing signal to be routed to the matrix without any attenuation or gain.

Each of the groups (1-8) has its own individual matrix send level.



Mono Master - The master mono signal sent to the matrix is continuously variable from off (-inf) to +6dB. Unity (0dB) is also marked on the scale allowing signal to be routed to the matrix without any attenuation or gain.

Left Master - The master left signal sent to the matrix is continuously variable from off (-inf) to +6dB. Unity (0dB) is also marked on the scale allowing signal to be routed to the matrix without any attenuation or gain.

Right Master - The master right signal sent to the matrix is continuously variable from off (-inf) to +6dB. Unity (0dB) is also marked on the scale allowing signal to be routed to the matrix without any attenuation or gain.

Alternatively, the auxiliaries can be routed to the matrix by depressing the group/aux changeover switch. This is especially useful for generating additional monitor mixes or re-routing existing monitor mixes (for example if artists are moving around to other parts of the stage).

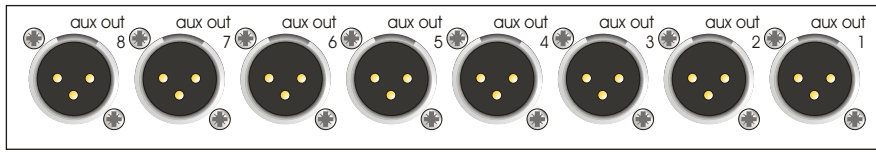
The overall level of the matrix output is controlled by the **Matrix x** pot (where x is the number of the matrix 1 through 4) and is continuously variable from off (-inf) to +10dB.

Mute - The matrix output can be muted immediately after the group and master matrix sends.

Solo - The solo switch routes the matrix signal to the mono PFL and the stereo AFL buss.

Verona Aux Outputs

Rear Panel

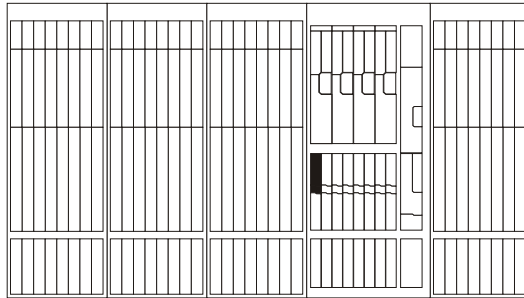


The Verona's auxiliary outputs can be found on the rear of the console.

Eight male XLR sockets are provided, one for each auxiliary output.

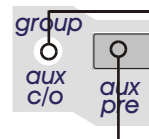
XLR Wiring

Pin 1 - Shield, Pin 2 - Hot Signal, Pin 3 - Cold Signal



Front Panel

The Verona provides eight independent auxiliary outputs which are controlled in this section.



Group Aux C/O - The group auxiliary changeover is described at the beginning of this section. When depressed, group signals will be controlled in this section and hence aux should be mentally interchanged with 'group'.

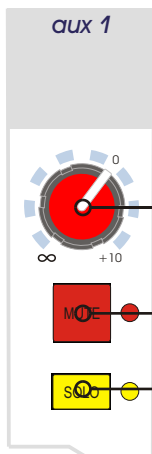
Aux Pre - The auxiliary pre switch is the global control which determines whether the auxiliary is taken from the input channel pre fader or post fader. This switch can be found on each of the auxiliaries 1 through 6. On aux 7 and 8 these are assignable individually pre/post on the channel modules.

Pre-Fade auxiliary (aux) sends are sourced after the channel Insert, Mute and EQ but before the channel fader (and EQ on 1-6 if the Aux Pre EQ switch is depressed). As a result, the actual level sent to the aux buss is proportional to the aux send control only.

Post-Fade aux sends are sourced after the channel Insert, Mute, EQ and channel Fader. As a result, the actual level sent to the aux buss is proportional to the aux send control AND the channel fader.

Typical uses of auxiliaries are:

Application	Pre/Post Fade	Reason
Stage Monitors	Pre (Post-EQ)	The level in the monitor stays constant so that the engineer can change the FOH level without affecting the performer.
Effects Sends	Post	The level sent to the effects is proportional to the level on the fader so the balance between wet (processed) and dry (un-processed) sound stays the same even when the channel level is changed
Multi Track Recording or Monitors from FOH	Pre (Pre-EQ)	The recording is made at constant level without any equalisation so that changes in the mix level and EQ can be set in post-production. (You can also use the Direct Out for this but the output will be at unity).
Mixed Recording (for the artist)	Post (Post-EQ)	If the aux is set to unity, the FOH mix is replicated on the aux output including EQ but excluding PAN.

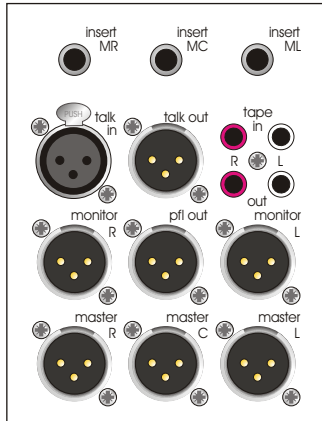


Auxiliary Master Level - The output level of the auxiliary is continuously variable from off (-inf) to +10dB.

Auxiliary Mute - When depressed, the auxiliary signal is muted at every point after the master send level.

Auxiliary Solo - When depressed, the auxiliary signal is sent to the stereo AFL and mono PFL busses.

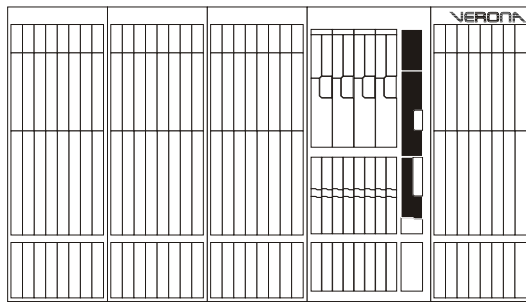
Verona Master Outputs



The Verona's main outputs are located on the rear of the console and provide:

Output	Source	Connector	Nom. Level
Master L	Left Buss	XLR Male (Bal)	0dBu
Master C	Mono Buss	XLR Male (Bal)	0dBu
Master R	Right Buss	XLR Male (Bal)	0dBu
Monitor L	AFL Solo L Buss	XLR Male (Bal)	0dBu
PFL Out	PFL Solo Buss	XLR Male (Bal)	0dBu
Monitor R	AFL Solo R Buss	XLR Male (Bal)	0dBu
Tape Out L	Master Left	RCA Phono	-10dBu
Tape Out R	Master Right	RCA Phono	-10dBu
Talk Out	Talk Buss	XLR Male (Bal)	0dBu

Also provided are Master L-C-R insert points on conventionally wired quarter-inch TRS jacks (0dBu nominal level), tape inputs (RCA Phono, -10dBu nominal level) and Talk Input (Male XLR balanced, 0dBu nominal level).



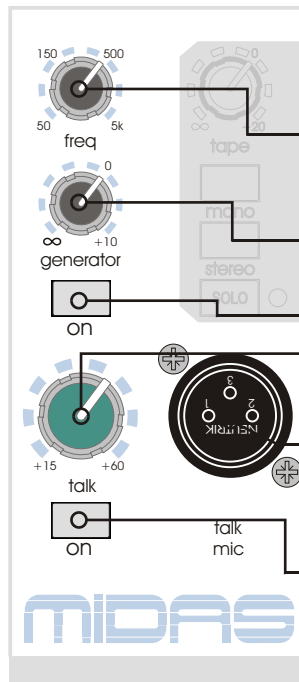
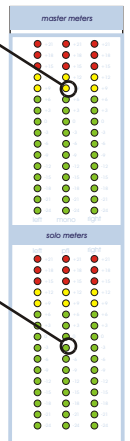
Master Meters

The master meters show the actual peak output level from the console's left, right and centre (mono) busses.

Note that these meters are post master fader and post master output mute.

Solo Meters

The solo (AFL L, AFL R and PFL) buss levels are shown on the solo meters. The solo meters are pre monitor or phones output mute and level and so are unaffected by changes in the headphone level or the level sent to the monitor outputs.



The Verona provides a signal generator which can be routed to any of the console's outputs.

Freq - The output frequency of the generator is continuously variable from 50Hz to 5kHz allowing the user to test, for example, three or four bands of a crossover system.

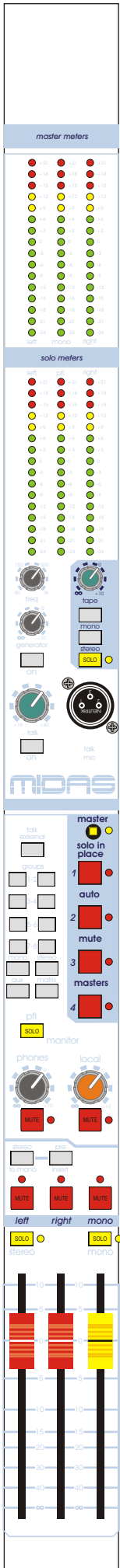
Generator Level - The level of the generator output is continuously variable from off (-inf) to +10dB.

Generator On - Enables the Signal Generator

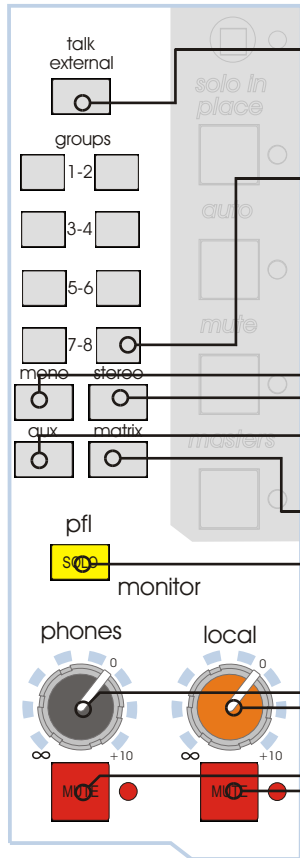
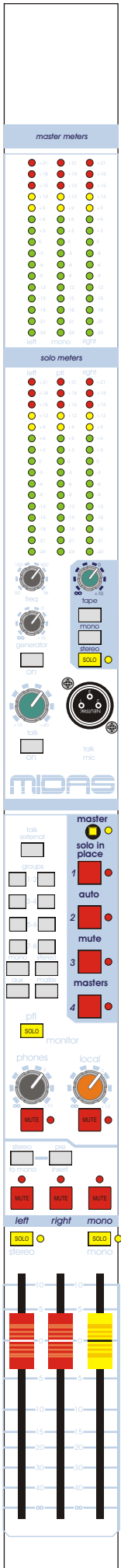
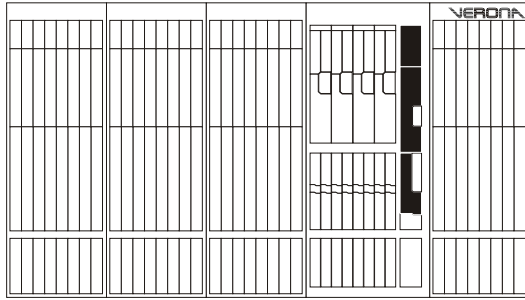
Talk Mic Gain - The gain of the talk microphone input is continuously variable from +15dB to +60dB.

Talk Mic - The talk mic socket is a conventionally wired XLR male and is supplied with 48v phantom power allowing the connection of condenser microphones.

Talk On - When depressed, the talk microphone input is enabled and routed to the talk buss. When enabled, all local outputs are attenuated by 20dB to help prevent feedback.



Verona Master Outputs



Talk External - Talk external enables the talk out and talk in signals on the rear of the console. The talk in signal is summed with the internal talk mic and generator signals.

Groups 1-8 - When depressed, the talk buss signal is routed to the group buss.

Mono - When depressed, the talk buss signal is routed to the mono buss.

Stereo - When depressed, the talk buss signal is routed to the stereo buss.

Aux - When depressed, the talk buss signal is routed to the aux buss.

Matrix - When depressed, the talk buss signal is routed to the matrix buss.

Note: Essentially with all buttons depressed, the talk buss signal is routed to all the consoles busses (except the local outputs and direct outputs).

PFL Solo - When depressed, the local monitor and headphones signal is sourced from the PFL mono signal rather than the AFL stereo default.

Phones/Local Level - The local and headphones level is continuously variable from off (-inf) to +10dB.

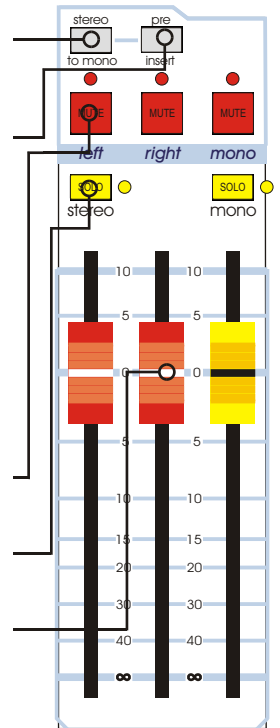
Phones/Local Mute - The local and headphones signal can be muted by depressing the mute switch.

Verona Master Outputs

The controls on this page are those directly responsible for the main outputs from the console.

Stereo to Mono - When depressed, a sum of the stereo left and right signals are routed to the mono signal buss via the pre insert switch.

Pre Insert - When depressed, the stereo signal sent to the mono buss is sourced from the stereo signals before the stereo insert points. Otherwise the signal is taken after the stereo inserts.



The setting of this depends upon the circumstances (and the usage of the centre mono output). For example, if an independent graphic EQ or limiter is required to control the mono centre speaker, then it may not be required (or desired) to have the graphic EQ/limiter inserted into the left and right output affect the mono centre.

Mute - Each of the left right and centre outputs have individual channel mutes which mute the signal post fader.

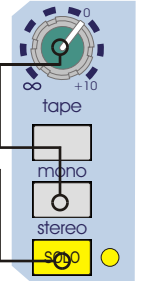
Solo - When depressed, the stereo or mono signal is routed to the PFL mono and AFL stereo busses.

Output Level - Each output level is continuously variable from off (-inf) to +10dB.

Verona Features

The tape input on the rear of the console can be routed to the main mono or stereo busses by pressing the **Mono** or **Stereo** switches. The level of the tape input is continuously variable from off (-inf) to +20dB (the nominal input level is referenced to -10dB).

Solo - When depressed, the tape input signal is routed to the stereo AFL and mono PFL busses.



WARNING: Solo in place is a major function and should be used for sound check ONLY. Please read this information carefully!

Solo in Place - When depressed with a small object (eg. screwdriver or pencil tip), the solo in place switch causes all active input solos on the console to be exclusively routed to the main outputs of the console. (i.e. mute all un-soloed inputs).

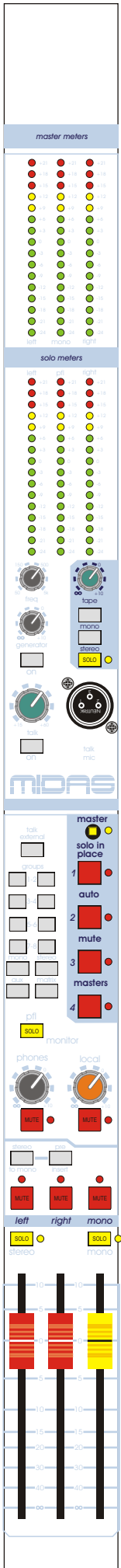
i.e. If a solo is in place, only those active solos will be heard from the main front of house speakers. This is a major function worthy of note.

The solo in place function is more at home in studio surroundings where the engineer would expect only to hear active solos through the monitors. It's uses in live sound reinforcement are limited but include:

At sound check, Solo In Place could be used to check or EQ (or adjust insertions, effects etc.) for one or a number of channels at once without having to turn down or mute each of the undesired channels (which may upset the onstage monitors and hence the musicians!).

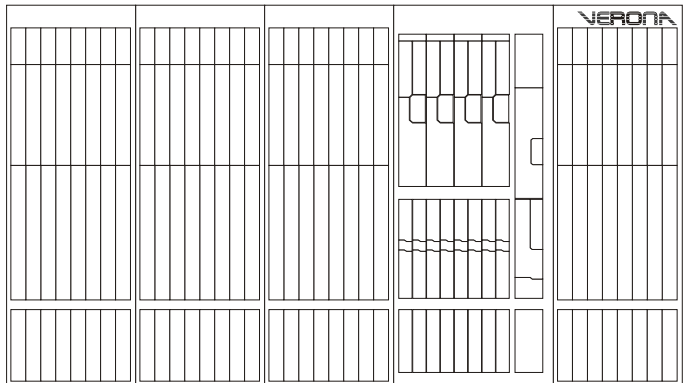
Auto Mute Masters - The auto mute masters are used to enable the mute groups (1 through 4) as assigned on the input channels.

Again, these switches are a major function worthy of note (i.e. don't forget that you have them enabled and the channels assigned or channel mutes will not be released).





Setting up the Verona



Setting Up The Verona

The Verona was designed with real world sound engineers in mind, working in the real world. With it's flexible routing and dual purpose functionality, the Verona is as happy running monitors as it is front of house. For engineers that haven't got a great deal of experience in live sound engineering, here are a few helping guidelines.

Gain

The Verona has two types of input channel; Mono and Multi Function (Stereo) both of also have a mono microphone input. Gain is provided on these channels to allow the operator to obtain the optimal signal for the system.

Microphone Gain	+15dB to +60dB (0dB to +45dB with pad switch enabled)
Mono Channel Line Gain	0dB to +45dB (-15dB to 30dB with pad switch enabled)
Stereo Channel Line Gain	Off to +20dB

Each channel of the Verona includes an in-line channel LED meter indicating the channel level (measured after the channel insert and EQ but before the channel fader). With the insert and EQ disabled, the in-channel meter will show the level at the input in four stages: -

-18dB	- Signal Present
0dB	- Normal operating level
+12dB	- High Signal Level
+18dB	- 3dB before channel overload (clipping)

The input gain of the channel can be used to obtain the best operating level for the console. Too small a signal level (too little gain) and the best signal to noise ratio will not be achieved; too high a signal level (too much gain) and there is the chance of overloading the channel causing distortion.

Clearly, the gain should be positioned between these two points, to gain an optimal signal to noise ratio without overloading the channel. The ideal level for input channels would be around +6dB with occasional illumination of +12dB.

Headroom

A channel signal is only permitted to swing high and low by an amount fixed by the power supply. If the maximum output of the Verona channel strip is +21dBu (0dBu = 0.775 volts RMS) then imagine the following situation:

Headroom is the amount of spare 'swing' available to the system. If 6dB headroom was desired at all times, a maximum level of +15dB is required to retain the headroom.

To prevent overload, the gain must be set to a point that even the highest output from the microphone during sound check has some headroom left to prevent any surprises during the show!

The consoles Busses (e.g. Left and Right Main buss) are the point where all channel signals are summed together. In normal operation, it is unlikely that all channels will receive the same signal at the same time so typically when 48 channels are summed together a gain of around 6 to 9dB will be seen. It is important to leave some headroom in the summing amplifiers so that they do not overload, should the sum exceed the maximum level.

The Effect of EQ

Channel equalisation should be used with care. Boosting or cutting equaliser bands can make monitoring your actual input level very difficult. Excessive boosting of EQ (+15dB is available on each band) will have the same effect as applying more gain to the input, taking up valuable headroom. Consider backing off the channel gain when using large amounts of boost (if you have to use large amounts of boost) to retain a sensible level at the output.

Excessive EQ cut can have a similarly undesirable effect. If a large amount of signal is cut in the equaliser section, gain may be used to 'make up' the level lost in the equaliser. However, the input pre-amplifier still has the same amount of available headroom. If gain, added to 'make up' the loss in the equaliser, exceeds the maximum level into the microphone pre-amp then the channel won't appear to be overloaded but the microphone pre-amp will. Turning off the equaliser will reveal the true story, whereby the microphone pre-amp may be overloaded. It is worth considering whether such large amounts of EQ cut is really required, or whether it is being used rather more as a volume control (in which case the input gain could be set to a normal operating level and the output adjusted on the channel fader).

TIP: You can monitor the level pre-EQ and post-EQ using the in-channel LED meter by switching the EQ in and out during sound check.

Dynamic Processing

When working with signals that are constantly at a high level, the channel gain can accommodate these signals with ease. When working with varying signals (such as the vocalist discussed earlier) it may be desirable to reduce the dynamic range of the signal so that the loud parts aren't so loud (and don't overload your channel input) and the quiet bits aren't too quiet (so the signal to noise ratio would be increased).

Limiters and Compressors have a similar function which is to reduce the dynamic range of a signal. The means by which they do this won't be discussed here but, these devices have the ability to reduce the level of loud signals automatically and also raise the gain to 'make up' the level as desired. The channel gain can now be set with adequate headroom to accommodate both loud and quiet signals and the compressor can reduce the dynamic range and 'make up' any reduction in level. By inserting such a device into the channel's insert point you have the ability to remove the guesswork from setting your system gain.

However (and this is a big however), there are still sources of potential problems. The Verona is able to operate at levels up to +21dBu on both the insert send and return. If the maximum input level of the compressor was less than +21dBu then it is possible to overload the input of the compressor. The only way to resolve this situation would be to drop the channel input gain so that the input level of the compressor was not being overloaded. Bear in mind however, the level returned from the compressor would also be lower than +21dBu and excessive use of the compressor 'make up' gain would overload the output of the compressor!

Unity Gain

Unity gain is a gain of 1 (i.e. no gain or attenuation is applied to a signal).

If a signal entered a mono line level input of the Verona at 0dBu and the gain was set to +15dB (an internal 15dB attenuation sets the net gain to 0dB), then the signal was routed to each output at 0dB, the channel fader was set to 0dB and each output fader was set to 0dB, the output should be 0dBu (or unity). Some console manufacturers mark the 0dB level of their faders and pots 'U'.

Simple. But that's just one signal. If we have two 0dBu signals entering the Verona to be summed in the busses, the output would no longer be 0dBu.

Simply,

$$\begin{aligned} 0\text{dBu} &= 0.775 \text{ volts} \\ 0.775 \text{ volts} + 0.775 \text{ volts} &= 1.55 \text{ volts} \end{aligned}$$

$$1.55 \text{ volts is } 0.775 \text{ volts} + 6\text{dB (or a gain of 2)}$$

To retain an output of 0dBu (our previous unity level) each input must be reduced.

$$\begin{aligned} 0.775 \text{ volts} / 2 &= 0.3875 \text{ volts} \\ 0.3875 \text{ volts is } 0.775 \text{ volts} - 6\text{dB (or a gain of } 1/2) \end{aligned}$$

So each fader must be reduced to -6dB to retain the unity gain level of 0dBu on the console output. When using four inputs at 0dBu, the faders must be reduced to -12dB. Real life signals are not continuous, but the principal is the same. If you have a sinusoidal input that is nominally 0dBu on all 48 inputs with the channel faders at 0dB, the output is likely to be well above the 21dBu maximum output of the console and leave no headroom spare. With real world signals, 48 channels summed together will give around 6 to 9dB gain because it is unlikely that all 48 channels will receive the same signal at the same time. Instead signals will occur at different times, and there will be cancellation due to phase and frequency differences.

Signal Processing and Amplifiers

The final links in the system tend to be graphical equalisers, loudspeaker processors and finally amplifiers and speakers.

Graphical equalisers have the same problems as the Verona's EQ. If excessive boost is applied to the signal, the graphic equaliser's output may be overloaded. If the output of the Verona is higher than the maximum input level of the graphic, the input of the graphic may be overloaded.

Loudspeaker processors have similar problems. If the input level to the processor is too high, the input may be overloaded and introduce distortion into the outputs (and to the speakers!). In addition to this, any boost on the processors outputs (say you want 3dB more bass) will cause that output to overload earlier (in this case 3dB before the other outputs).

Finally, amplifiers can introduce the most interesting results.

An amplifier has a sensitivity. That is, an input signal level that causes the amplifier to produce it's maximum output level. For many amps this is 0dBu (0.775 volts RMS), others use 0dBV (1 volt RMS) others use different levels. Beyond this sensitivity, the amplifiers output will not be able to produce any more power and 'CLIP' (usually indicated by some serious looking red lights). Sending +21dBu level from the Verona will clip the output of the amplifier causing damage to your loudspeaker system.

There are a number of solutions to this problem:

Reduce the amplifiers input attenuators to a level where the amplifier and console clip at the same point.

e.g. The input sensitivity is 0dBu, setting the input attenuator on the amplifier to -21dB would mean that the console would clip at the same time as the amplifier. So operating the console sensibly the amplifier should never be clipped. The console led Meters will also accurately show the available headroom left in the entire system.

-21dB may not be a sensible level to set as many operators choose not to run the output of the console so high. That is personal choice.

Run the output of the console at a level below 0dBu

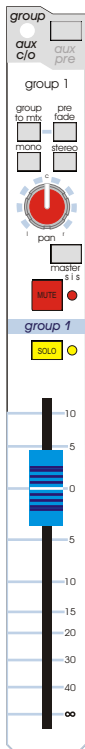
This solution means that you won't get full benefit of the console, and may suffer a reduced signal to noise ratio. But the amplifiers should be saved from clipping.

As with many things in the audio world, use your ears. If something sounds distorted check:

Input Gain too high?	(lower input gain and check)
EQ Too Much Boost?	(disable eq and check)
EQ Too Much Cut coupled with a High Input Gain?	(disable eq and check)
Too High a level into Inserted Processor?	(disable insert and check)
Clipping Loudspeaker controller or Amplifiers	(Check CLIP lights on amps etc.)

Routing

The flexible routing of the Verona allows the console to operate as both a Front of House (FOH) and Monitor console, or as a combination of both. For operators that haven't got a great deal of experience, here are a few helping guidelines.



Front of House Mode

The group aux changeover switch on each group should be released (i.e. off) so that the group fader controls the group buss signal.

Uses for groups vary, but include:

Submixes

Submixes are a common way of saving time (and possibly embarrassment) when using a large number of microphones at once. For example: Multiple Microphones for Choirs, Drum Kits/Percussion, Orchestras, etc . . .

The channel to be submixed should be routed to the group and any aux sends ONLY (i.e. not to the master L-C-R). The fader is, as normal, used to set the relative level between the channels in the submix. The group chosen for the submix should then be routed to the master L-C-R and panned as required.

The submix is now set up. The group level can be used to control the overall level of the channels (retaining their relative levels), mute the submix output or solo the submix signal.

Note: Muting the submix is not the same as muting the channels. Aux sends and other group sends will remain active. If channels in a submix are required to be muted, use the automute facility.

Common EQ/Processing

Often, it is either too expensive or undesirable to apply processing to each channel individually (for example: compression on a whole choir, graphic eq on a number of microphones, etc...). Setting up a submix as above, the signal is grouped together. Now the desired processor can be inserted into the group inserts applying the process to all of the submix channels (in their relative levels).

Alternative Outputs

example: , you were mixing a number of speakers in a venue and each needed a different level and processing.

Route the desired channels to any group or master output as necessary. Make sure the group is not routed to the main outputs. The group outputs should be wired into the necessary amplification and the insert points into any necessary processing (e.g. delay, EQ, etc...).

The levels are now individually controllable.

Monitor Mode

The group aux changeover switch on each group should be depressed (i.e. on) so that the group fader controls the aux buss signal.

Channel signal should be sent to the auxiliary as required and the aux sends should usually be configured to pre-fader. The console group output sockets should be wired into the necessary amplification and the insert points into any necessary processing (e.g. EQ, etc...).

The monitor levels are now individually controllable on the group faders.

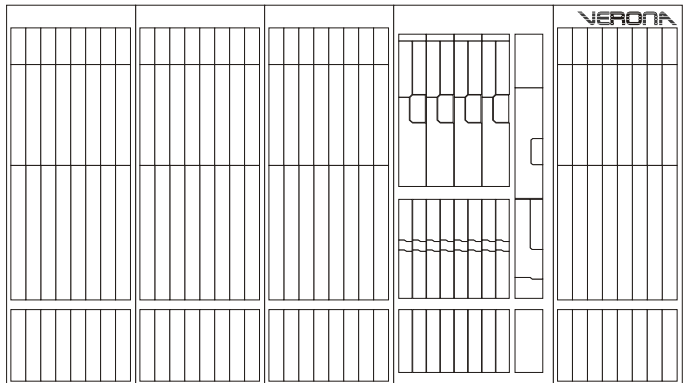
Dual FOH/Monitor Mode

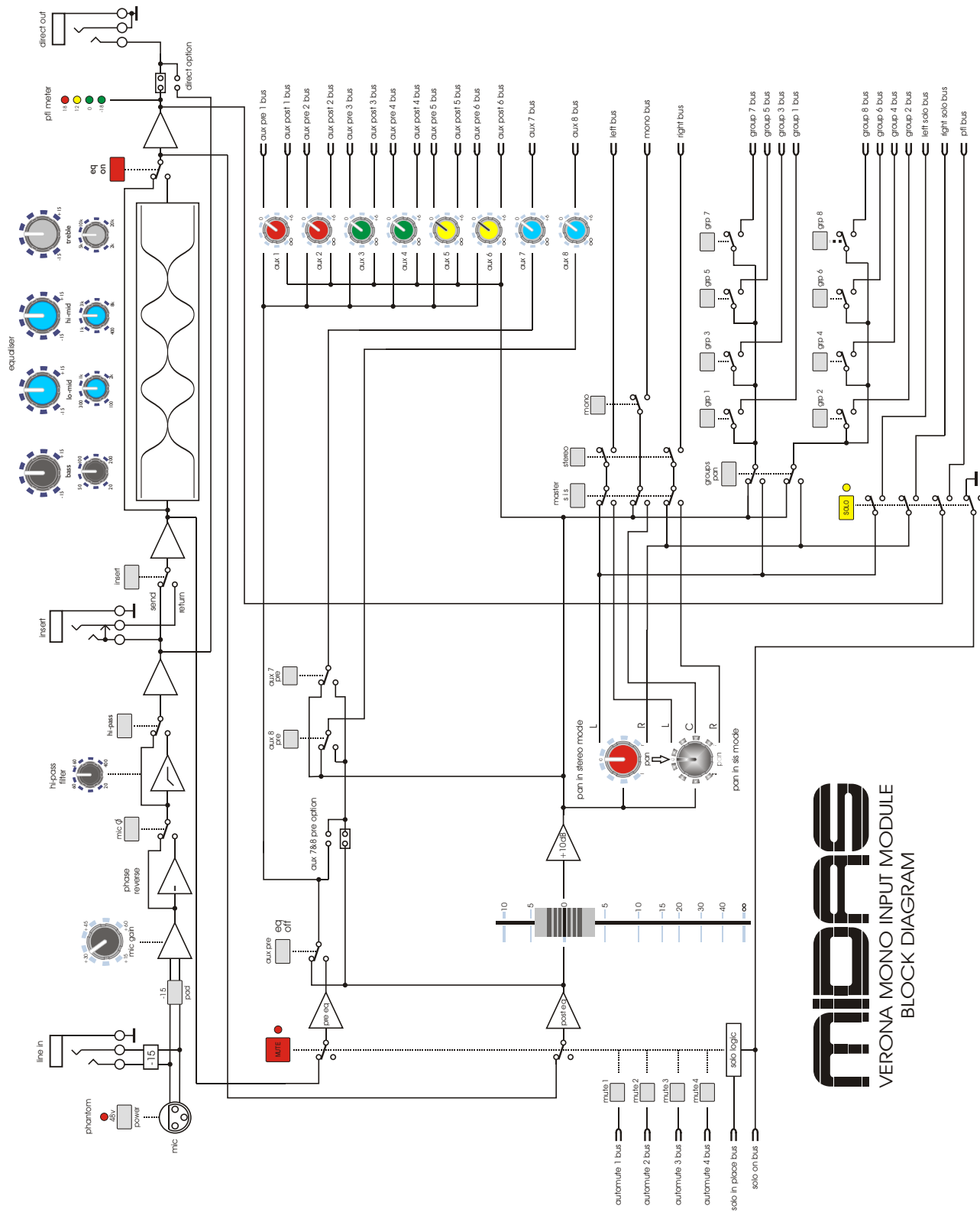
The group aux changeover switch on each group should be depressed (i.e. on) so that the group fader controls the aux buss signal for monitors or released (i.e. off) so that the group fader controls the group buss signal for FOH. The usage in this split mode can be any combination of the above!

Note: When the group aux changeover switch is depressed, control over the groups is performed by the auxiliary controls and hence, and group outputs may still be used. Submixes could be used by connecting the auxiliary output sockets on the rear of the console to four unused stereo input channels and routed to the Left and Right master busses.



Functional Block Diagrams



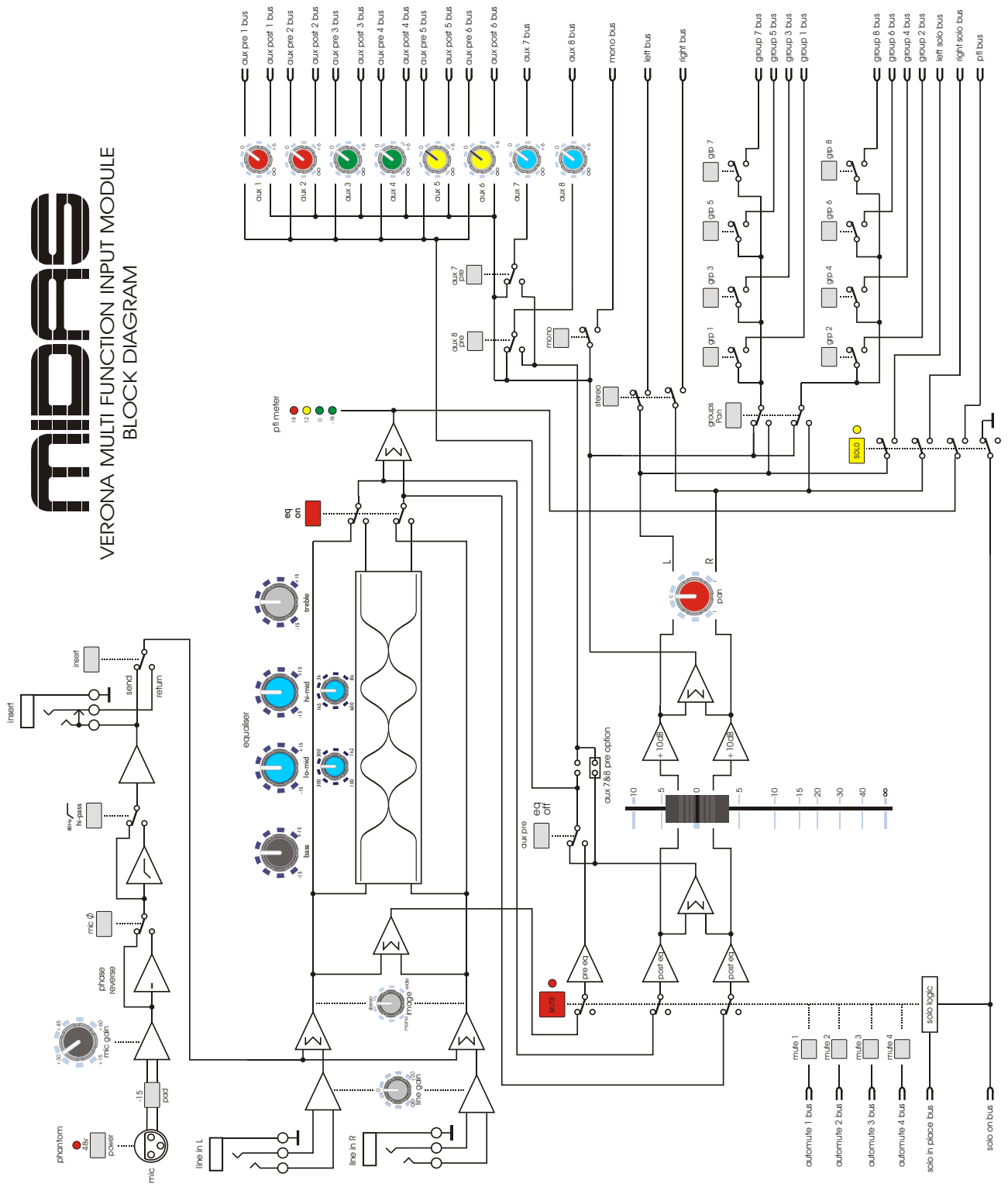


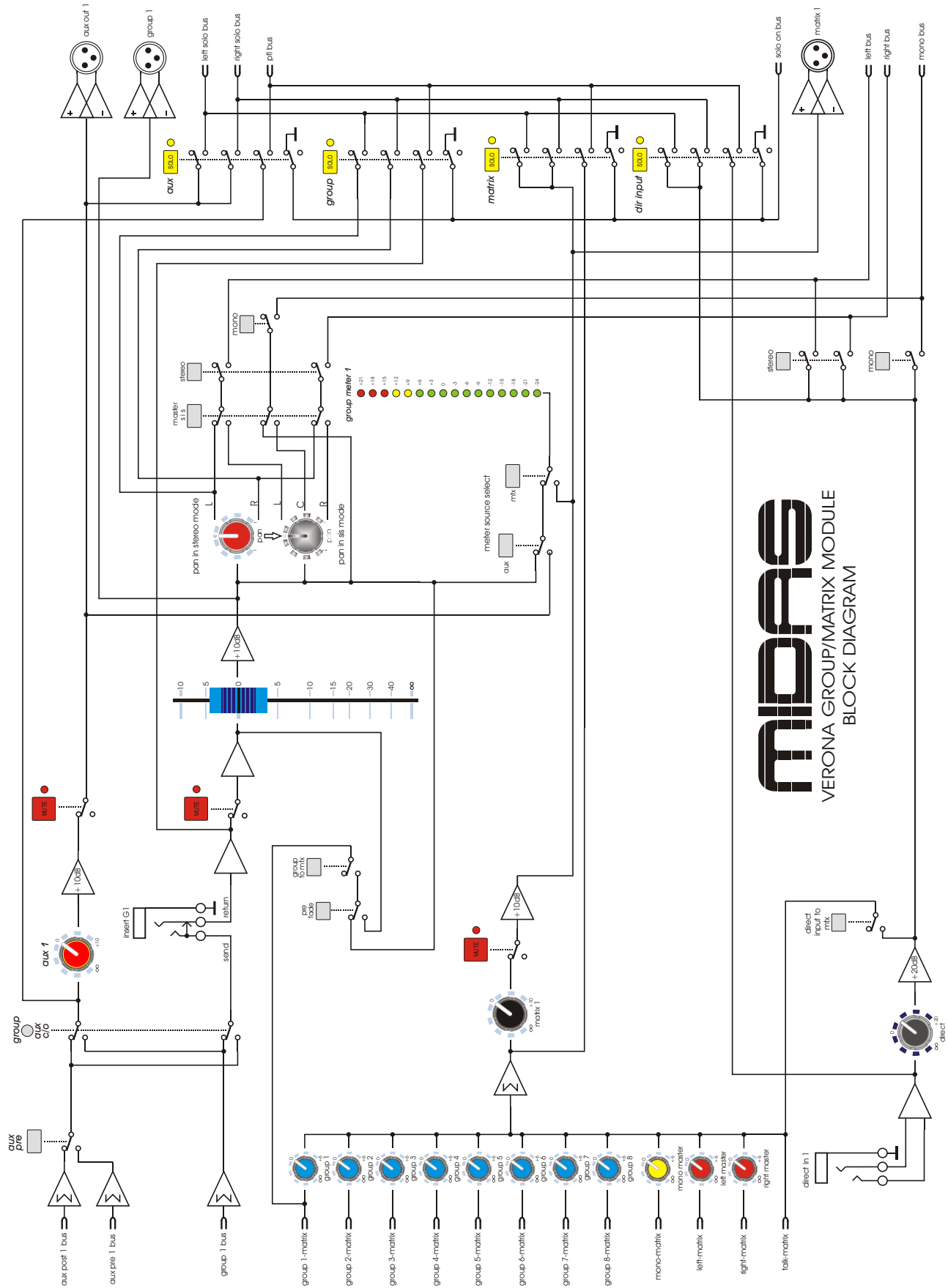
miDPS

VERONA MONO INPUT MODULE
BLOCK DIAGRAM

MIDPFS

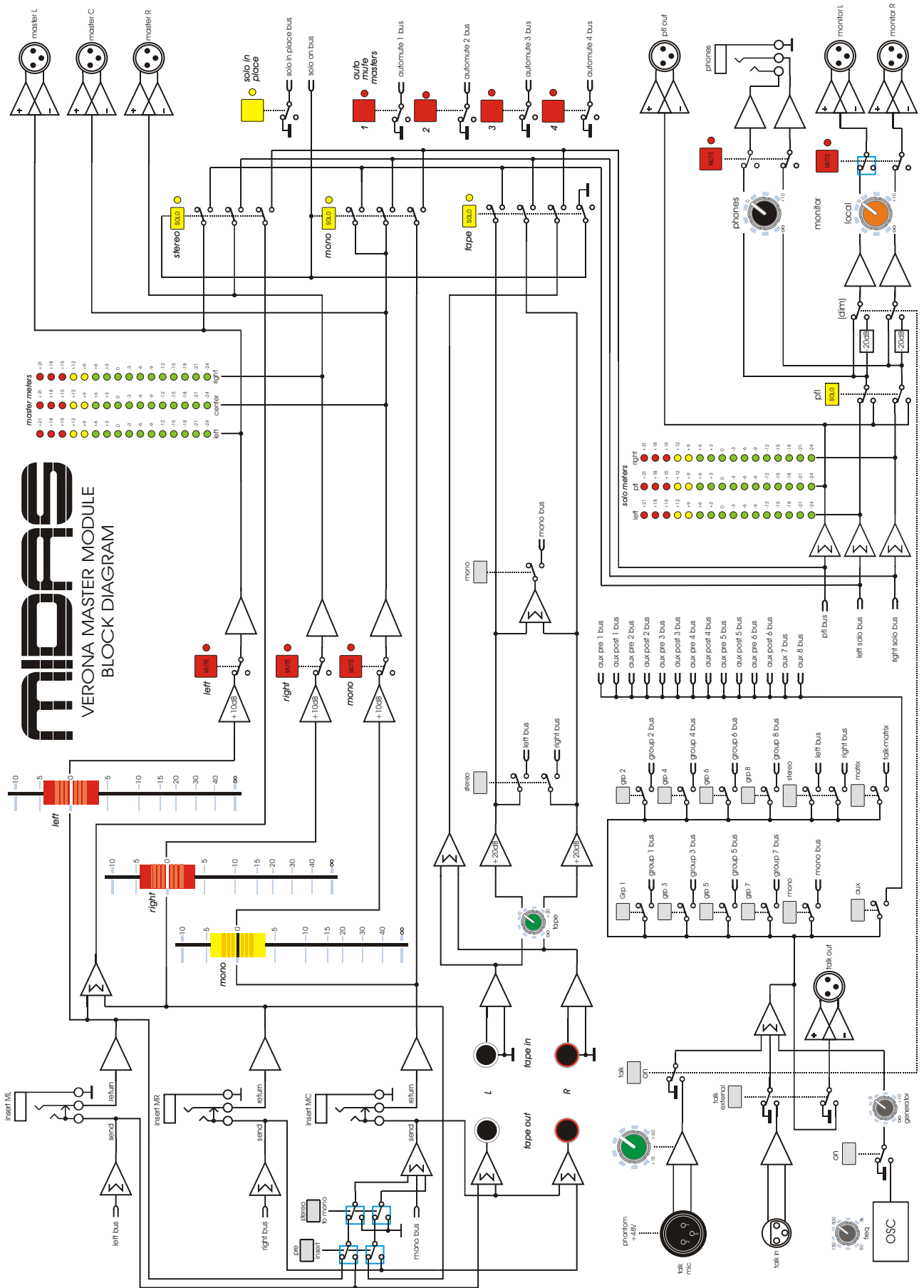
VERONA MULTI FUNCTION INPUT MODULE BLOCK DIAGRAM





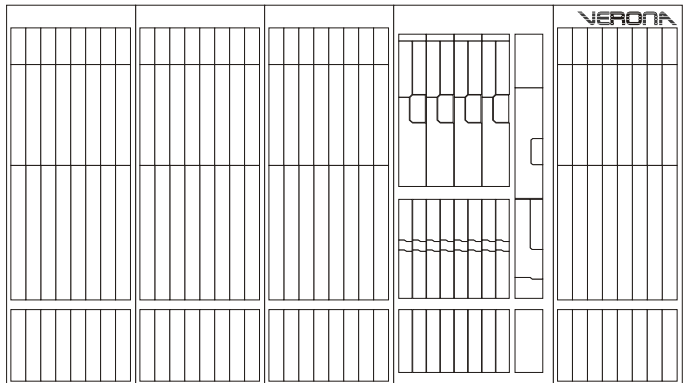
MIDFAS VERONA GROUP/MATRIX MODULE BLOCK DIAGRAM

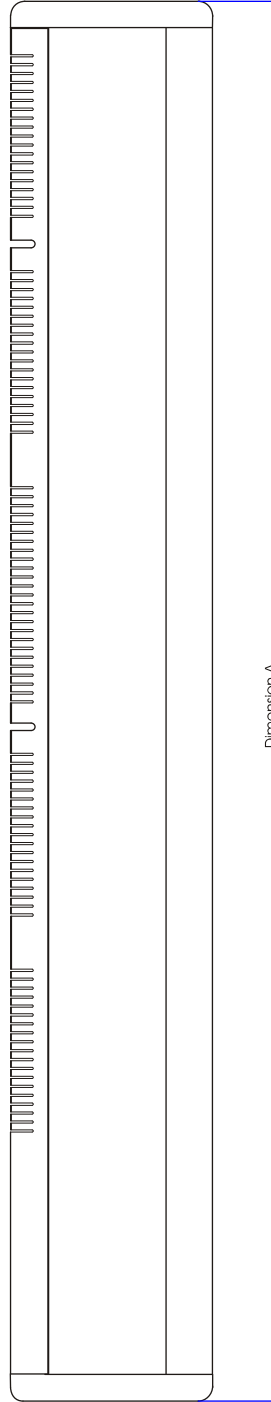
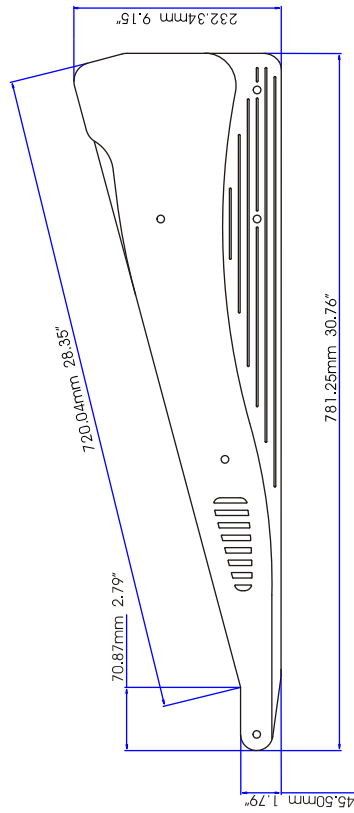
MIDPFS VERONA MASTER MODULE BLOCK DIAGRAM





Dimensions and Weights

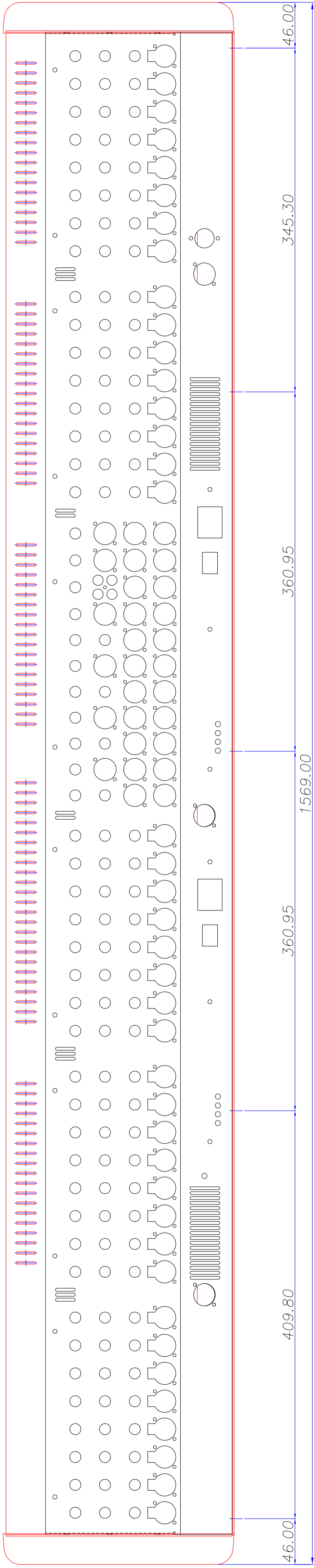
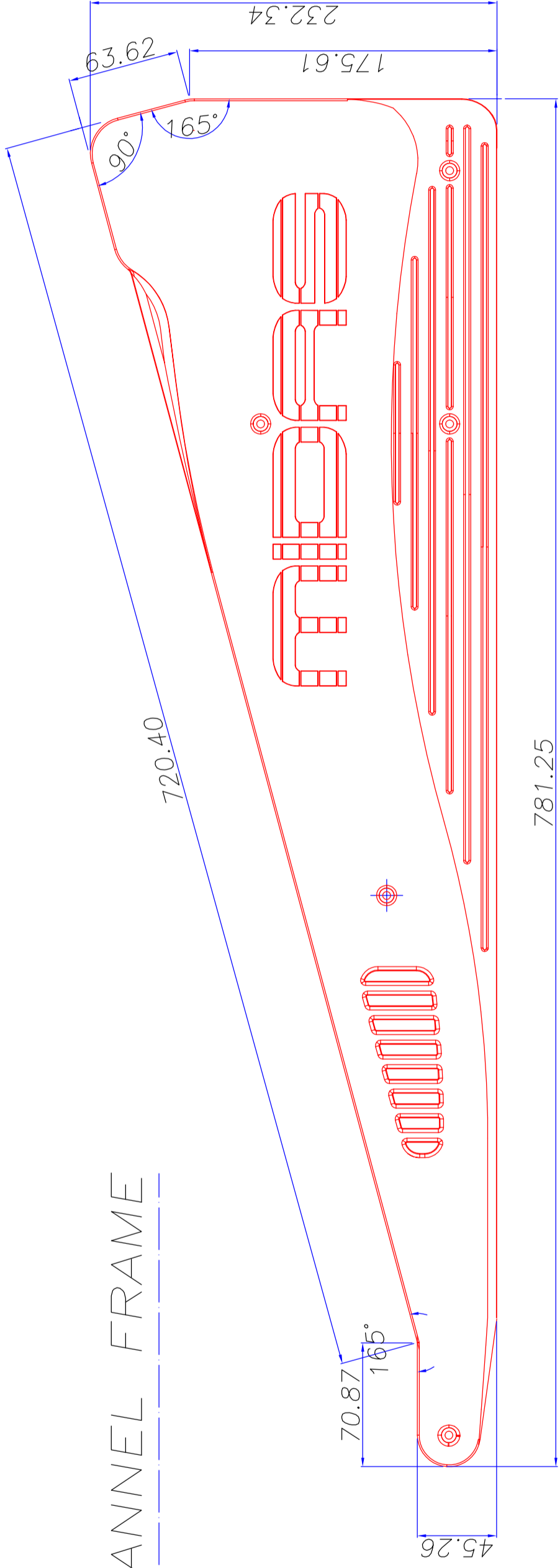




Dimension A:	Dimension A	Dimension A	Dimension A	Dimension A	Weight*	Weight*
24 channel	1085.00mm	42.72"	45kg	99.23lbs		
32 Channel	1327.00mm	52.24"	55kg	121.25lbs		
40 Channel	1569.00mm	61.78"	65kg	143.30lbs		
48 Channel	1811.00mm	71.30"	75kg	165.34lbs		
56 Channel	2053.00mm	80.83"	85kg	187.39lbs		
64 Channel	2295.00mm	90.35"	95kg	209.44lbs		

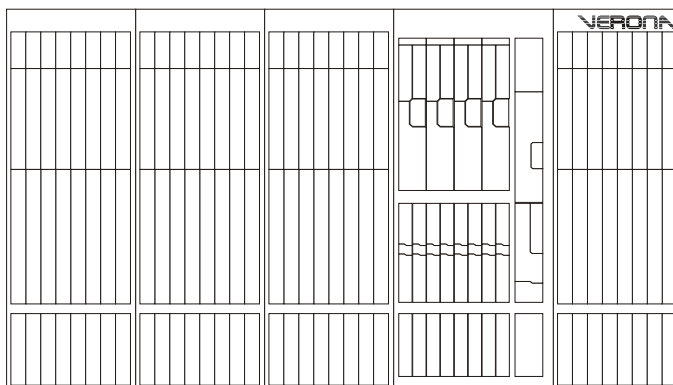
*estimated weight out of flightcase

VERONA 40 CHANNEL FRAME





Specification and Features



Verona Features


The following list of features is based upon the thirty-two channel frame size console.

The thirty-two channel Verona features:

- 24 mono input channels
- 8 stereo input channels
- 8 Auxiliary Outputs
 - 1 through 6 with Global Pre/Post Fader selection and selectable Pre/Post EQ
 - 7 & 8 with Channel selectable Pre/Post Fader selection and jumper selectable Pre/Post EQ
 - For jumper selection configurations, contact you local Midas service agent.
- 8 Group Outputs
 - With Aux/Group Changeover option for dual purpose FOH/Monitor applications
- 4 Band Equaliser
 - Mono Channels: 4 Swept Frequency Bands (Treble, Hi Mid, Lo Mid, Bass)
 - Stereo Channels: 2 Shelving Bands (Bass, Treble), 2 Swept Frequency Bands (hi mid, lo mid)
- 48 volt phantom power independantly switchable on each channel (always on talk mic)
- Hi-Pass filter on all inputs (Mono Channels: Variable 20Hz to 400Hz, Stereo Channels: Fixed 80Hz)
- Signal Generator
- 32 Channel Inserts (jumper selectable pre/post insert and eq)

Inputs	Type	Connector	Impedance	Balanced	Level Nom (max)	No.
	Microphone	XLR(f)	1k5 ohm	Yes	Variable (+21dBu)	32
	M Ch Line Input	1/4" TRS Jack	10k ohm	Yes	Variable (+36dBu w/pad)	24
	MF Ch Line Input	1/4" TRS Jack	10k ohm	Yes	Variable (+26dBu)	16
	Direct Input	1/4" TRS Jack	10k ohm	Yes	Variable (+26dBu)	4
	Tape Input	RCA Phono	47k ohm	No	-10dBu (+26dBu)	2
	Talk Mic	XLR(f)	1k5 ohm	Yes	Variable (+6dBu)	1
	Talk Input	XLR(f)	10k ohm	Yes	0dBu (+26dBu)	1
Outputs	Direct Out	1/4" TRS Jack	100 ohm	Impedance Bal.	0dBu (+21dBu)	24
	Groups	XLR(m)	50 ohm	Yes	0dBu (+21dBu)	8
	Auxiliary	XLR(m)	50 ohm	Yes	0dBu (+21dBu)	8
	Matrix	XLR(m)	50 ohm	Yes	0dBu (+21dBu)	4
	Talk Out	XLR(m)	50 ohm	Yes	0dBu (+21dBu)	1
	Master Out	XLR(m)	50 ohm	Yes	0dBu (+21dBu)	3 (LCR)
	Monitor Out	XLR(m)	50 ohm	Yes	0dBu (+21dBu)	2 (LR)
	PFL Out	XLR(m)	50 ohm	Yes	0dBu (+21dBu)	1 (M)
	Tape Out	RCA Phono	600 ohm	No	-10dBu (+11dBu)	2
	Headphones	1/4" TRS Jack	To drive headphones > 100 ohm		+10dBu (+21dBu)	1
Inserts	Input	1/4" TRS Jack	50/10k ohm (s/r)	No	0dBu (+21dBu) (send/ret)	32
	Group	1/4" TRS Jack	50/10k ohm (s/r)	No	0dBu (+21dBu) (send/ret)	8
	Master	1/4" TRS Jack	50/10k ohm (s/r)	No	0dBu (+21dBu) (send/ret)	3

Total XLR input count	34
Total Jack input count	44
Total RCA Phono input count	2
Total XLR output count	27
Total Jack output count	25
Total RCA Phono output count	2
Total insert count	43




XLR

Pin 1 - Screen/Ground
Pin 2 - Hot Signal
Pin 3 - Cold Signal

Note: Sockets are viewed from the front face.


RCA (Tape In/Out)

Centre (Tip) - Signal
Surround (Sleeve) - Screen



Quarter Inch Jack

	TRS Signal	TRS Insert	TRS Headphone
Sleeve	Screen/Ground	Screen/Ground	Screen/Ground
Ring	Cold Signal	Insert Return	Right
Tip	Hot Signal	Insert Send	Left



Verona Specification

Internal Power Supply		
Type	Switching	
Line Voltage	90 - 240V AC	
Line Frequency	50/60Hz	
Input Impedance		
Microphone	1k5 ohm Balanced	
Line	10k ohm Balanced	
Input Gain (all faders at 0dB)		
Microphone	Continuously variable from +15dB to +60dB	
Microphone + Pad	Continuously variable from 0dB to +45dB	
Mono Channel Line	Continuously variable from 0dB to +45dB (-15dB to +30dB Pad enabled)	
Stereo Channel Line	Continuously variable from off to +20dB	
Direct Inputs	Continuously variable from off to +20dB	
Maximum Input Level		
Mic	+6dBu	
Mic + Pad	+21dBu	
Mono Channel Line	+21dBu (+36dBu pad enabled)	
Stereo Channel Line	+26dBu	
CMR at 100Hz		
Microphone (Gain +40dB)	Typ 95dB	
Microphone + Pad (Gain 0dB)	Typ 80dB	
Line (Gain 0dB)	Typ 80dB	
CMR at 1kHz		
Microphone (Gain +40dB)	Typ 95dB	
Microphone + Pad (Gain 0dB)	Typ 80dB	
Line (Gain 0dB)	Typ 80dB	
Frequency Response (20Hz to 20kHz)		
Microphone to Mix	+0 to -1dB	
Noise 20Hz to 20kHz		
Microphone EIN ref. 150 ohms (Gain +60dB)	-129dBu	
System Noise (20Hz to 20kHz)		
Summing Noise (48 channels routed with faders down)	-80dB	
Line to Mix Noise (48 channels routed at 0dB, pan centre)	-75dB	
Distortion at 1kHz		
Microphone to Mix (Gain +40dB, 0dBu output)	<0.03%	
Crosstalk at 1kHz		
Channel to Channel	< -90dB	
Mix to Mix	< -90dB	
Channel to Mix	< -90dB	
Max. Fader Attenuation	> 100dB	
Max. Mute Attenuation	> 100dB	
Output Impedance		
All Line Outputs	50 ohms Balanced Source to drive > 600 Ohms	
Tape Output	600 ohms unbalanced	
Direct Output	100 ohms impedance balanced	
Insert Output	50 ohms unbalanced	
Headphones	to drive > 100 ohms	
Maximum Output Level		
All Line Outputs	+21dBu	
Headphones	+21dBu	
Nominal Signal Level		
Microphone	-60dBu to 0dBu	
Line	0dBu	
Headphones	+10dBu	

Equalisation

Mono Channels	Hi-pass slope	12dB/octave
	Treble Band	Cut/Boost +/-15dB Frequency range 2kHz to 20kHz
	Hi Mid Band	Cut/Boost +/-15dB Frequency range 400Hz to 8kHz Bandwidth 1 Octave
	Lo Mid Band	Cut/Boost +/-15dB Frequency range 100Hz to 2kHz Bandwidth 1 Octave
Stereo Channels	Bass Band	Cut/Boost +/-15dB Frequency range 20Hz to 400Hz
	Treble Band	Cut/Boost +/-15dB Frequency (-3dB) 12kHz
	Hi Mid Band	Cut/Boost +/-15dB Frequency range 600Hz to 8kHz Bandwidth 1 Octave
	Lo Mid Band	Cut/Boost +/-15dB Frequency range 100Hz to 1.2kHz Bandwidth 1 Octave
	Bass Band	Cut/Boost +/-15dB Frequency (-3dB) 100Hz

External Power Supply (option)

Connection	6 Pin Male XLR
Pin 1	0V A
Pin 2	+18V A
Pin 3	-18V A
Pin 4	+12V L
Pin 5	+48V
Pin 6	0V L
Case	Chassis

Due to a policy of continual improvement, Midas reserves the right to alter the specification and performance at any time without prior notification.



Crib Sheet Mono Input

Notes:

power pad 48v -15

mic gain +30 -45 +15 -30

mic ins

hi-pass

treble -15 +15

hi-mid 300 400 500

lo-mid 300 400 500

bass -15 +15

aux pre

eq off on

aux 1

aux 2

aux 3

aux 4

aux 5

aux 6

aux 7 pre

aux 8 pre

groups 1-2 3-4 5-6 7-8

mono stereo

pan

groups pan master pan

MUTE

SOLO

mute 1 10 18 12 5 0 -5 -10

mute 2 15 20 25 30 35 40 45 50

mute 3

mute 4



Crib Sheet Multi Function Input

Notes:

The control panel features 8 columns of controls. Each column includes:

- Power pad (45v -15)
- Mic gain knob
- Mic insert switch
- Hi-pass filter switch/knob (60hz)
- Mono/mic mode knob
- Treble knob
- Hi-mid knob
- Lo-mid knob
- Bass knob
- Eq on/off switch
- Aux 1-8 knobs with pre switches
- Group 1-8 stereo pan knobs with mute buttons
- Solo button

At the bottom, there are 8 vertical sliders for mute levels (1-4) and 8 empty rectangular boxes.



SERVICE INFORMATION

CONTENTS

Modules and PCB's

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V0001 Mono Input Module (Parts List, Front Panel Parts)

V0001-02 Mono Input PCB (Schematics, Overlay & Grid Location Table, Parts List)

V0003-01 Mono Fader PCB (Schematics, Overlay, Grid Location Table, Parts List)

V0002-01 Mono Input Connector (Schematics, Overlay, Parts List)

V0004 Multifunction Input Module (Parts List, Front Panel Parts)

V0004-02 Stereo Input PCB (Schematics, Overlay & Grid Location Table, Parts List)

V0006-01 Stereo Fader PCB (Schematics, Overlay & Grid Location Table, Parts List)

V0005-01 Stereo Input Connector (Schematics, Overlay, Parts List)

V0011 Output Module (Parts List, Front Panel Parts)

V00011-02 Output PCB (Schematics, Overlay & Grid Location Table, Parts List)

V00013-01 Output Fader PCB (Schematics, Overlay & Grid Location Table, Parts List)

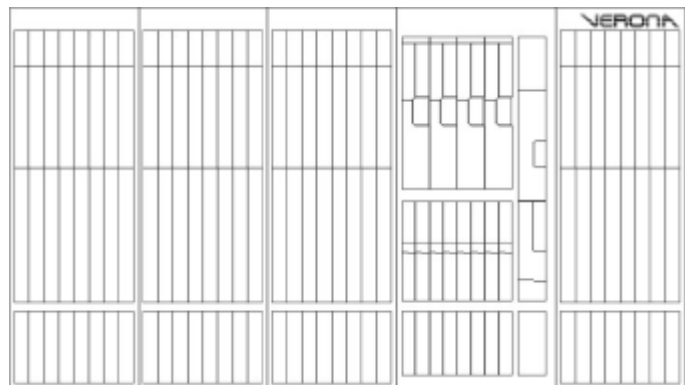
V0012-01 Output Connector (Schematics, Overlay, Parts List)

V0010 Power Distribution Board (Schematics, Overlay, Parts List)

V480 Chassis Assembly (Parts Lists)



Modules and PCB's



Modules and PCB's

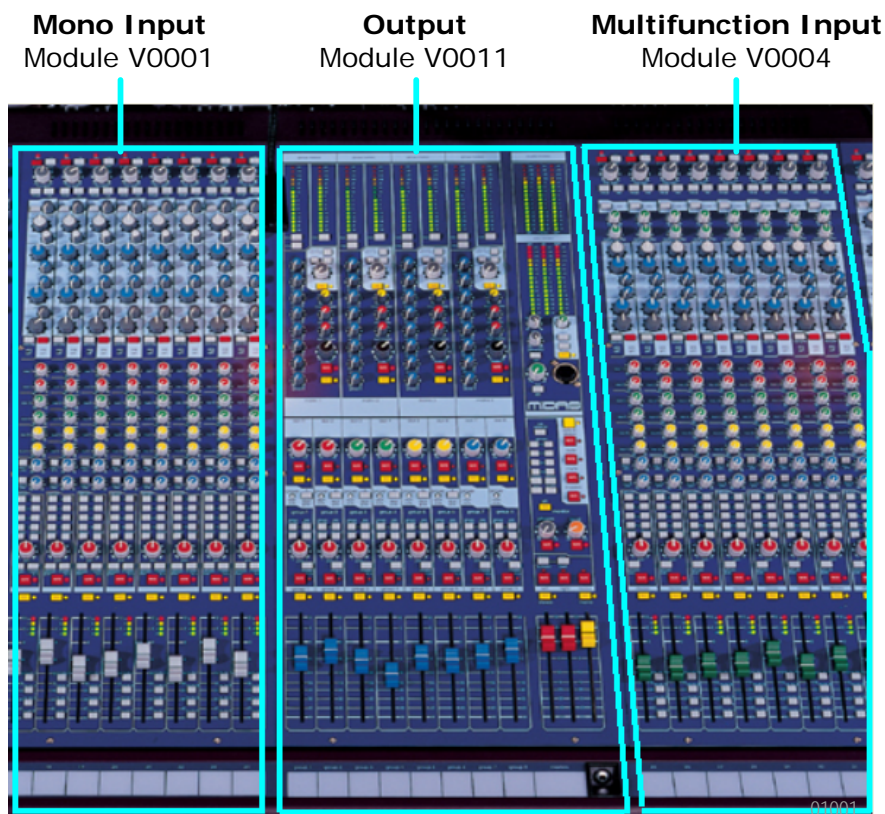
1. IDENTIFICATION

1.1. Modules and PCBs

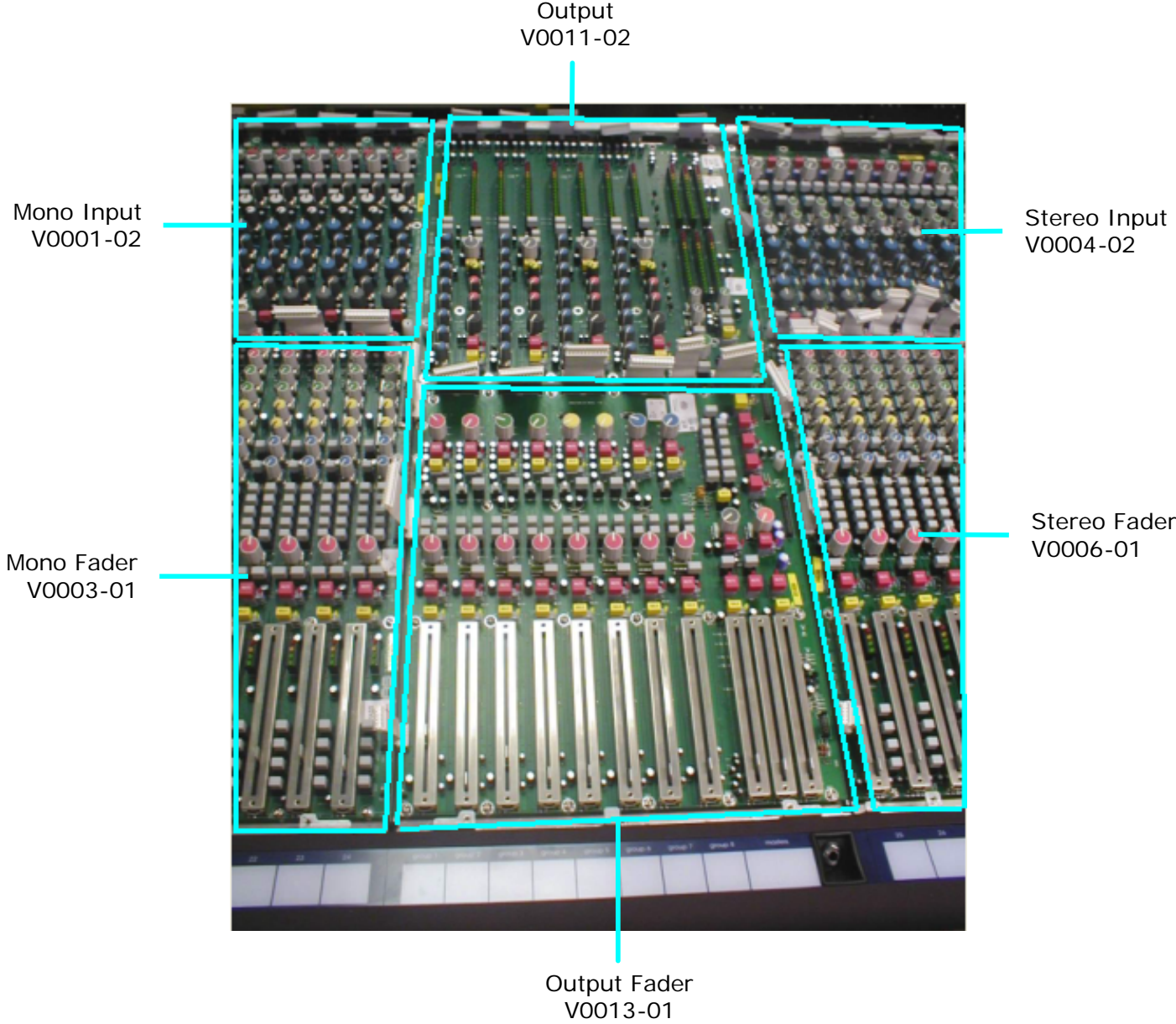
The Verona Console contains three main types of module, as detailed below.

Module Type	PCB make-up	Connectors
Mono Input V0001	V0001-02 Mono Input V0003-01 Mono Fader	V0002-01
Multifunction Input V0004	V0004-02 Stereo Input V0006-01 Stereo Fader	V0005-01
Output V0011	V0011-02 Output V0013-01 Output Fader	V0012-01

The modules, PCBs and connectors are identified in the following photographs. Instructions for removing the fascias and modules are provided in Section 2.

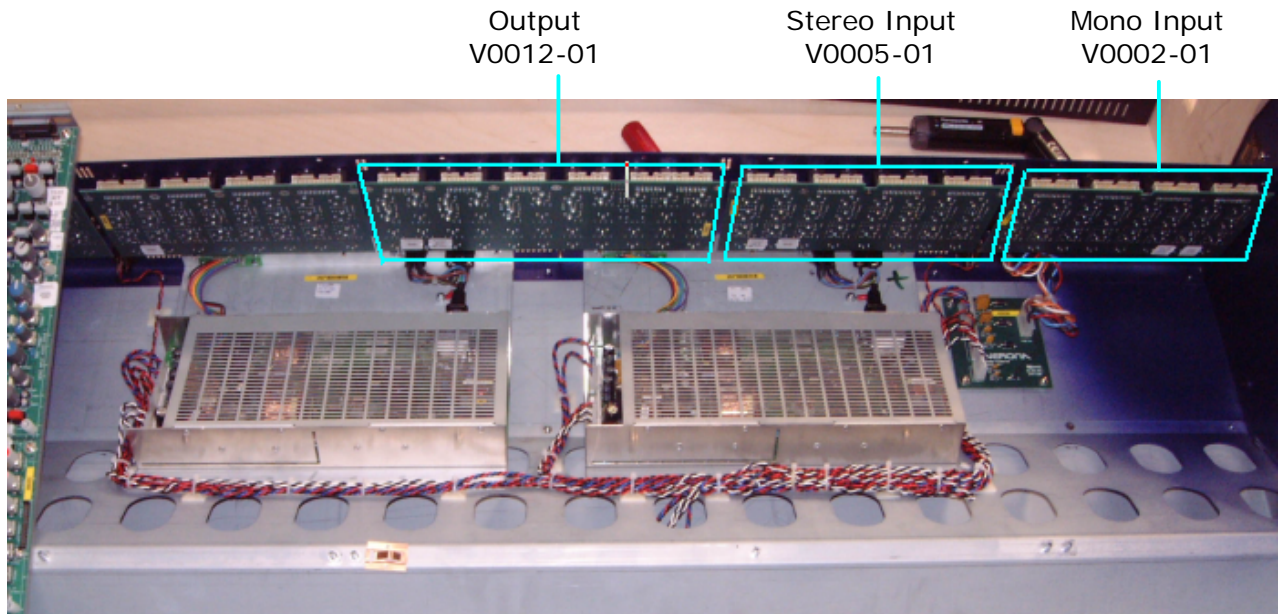


Module Identification



PCB Identification (view with fascias removed)

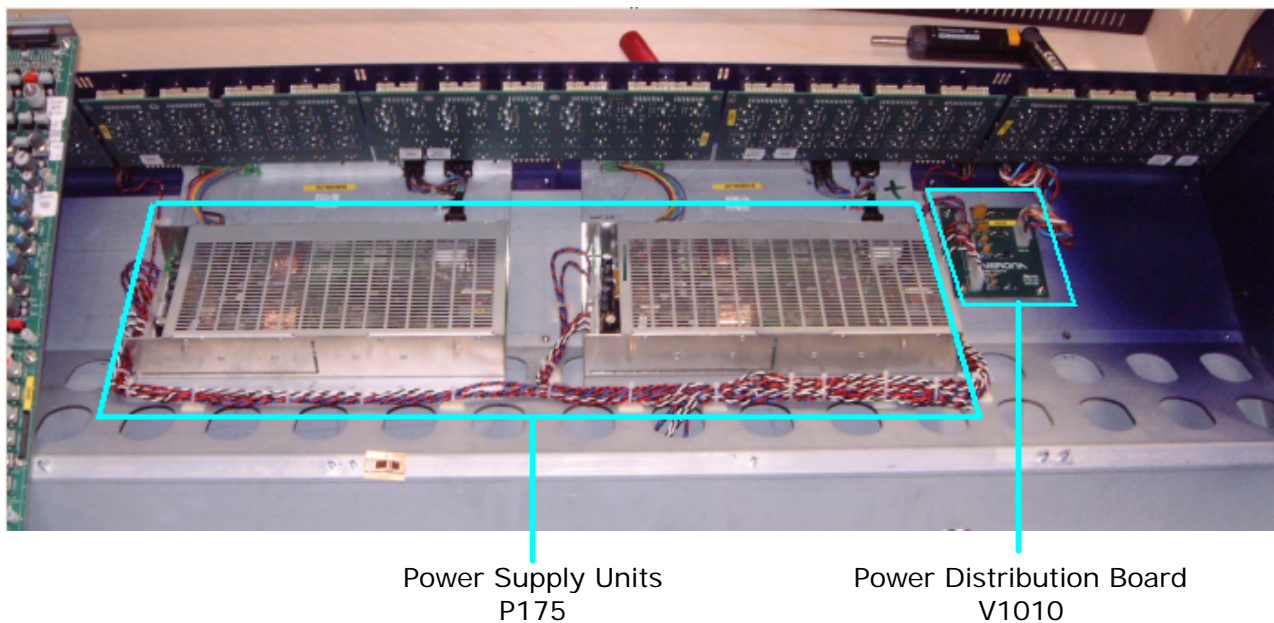
Modules and PCB's



Module Connector Identification (view with main input and output module chassis removed)

1.2. Power Supply

The Verona Console is fitted with two Power Supply Units. These, and the associated Power Distribution board, are located within the main console housing beneath the Mono Input and Output modules, as identified below. Instructions for removing the modules are provided in Section 2.



Power Supply Identification (view with main input and output module chassis removed)

2. DISASSEMBLY & REASSEMBLY INSTRUCTIONS

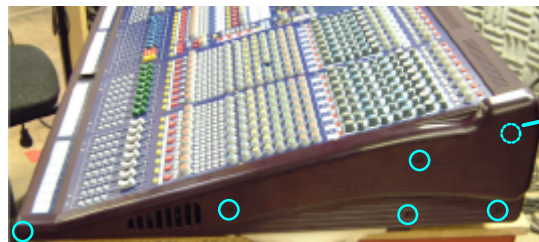
2.1. Removing Complete Modules

Note To remove a module or the associated PCBs you must first remove the fascias of the modules to the right and left, so that the interlinking ribbon cables can be detached.

For servicing of Modules or access the power supply, the Verona Console is disassembled as follows:

1 Remove the Verona side cheek(s).

Use a T15 Torx bit to unscrew the 5*Cap-lock screws and 1* M4 Torx Head screw shown right.



Screw located on reverse side

2 Remove the top trim.

Use a T10 Torx Driver to remove the fixing screws located on the underside of the console rim then, as shown right. The number of fixing screws is dependent on the frame size. Lift the trim off in an outward and upward direction.



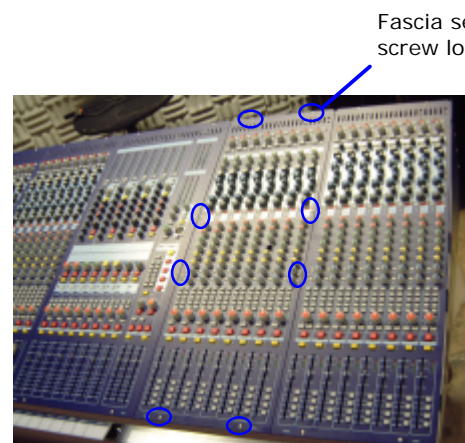
Lift trim in direction of arrow

3 Remove the Fader knobs from the fascia.

This enables the fascia to be lifted off.

4 Remove the fascia securing screws.

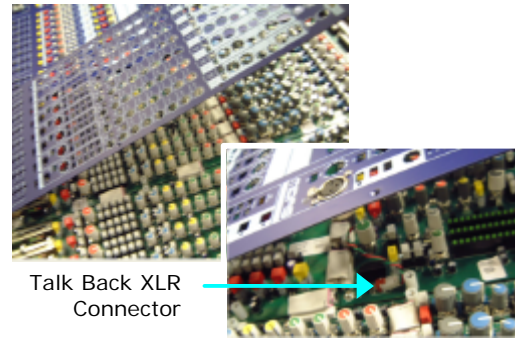
Loosen the 8*Torx T10 by 6mm Countersunk screws on each fascia located as shown right.



Fascia securing screw locations

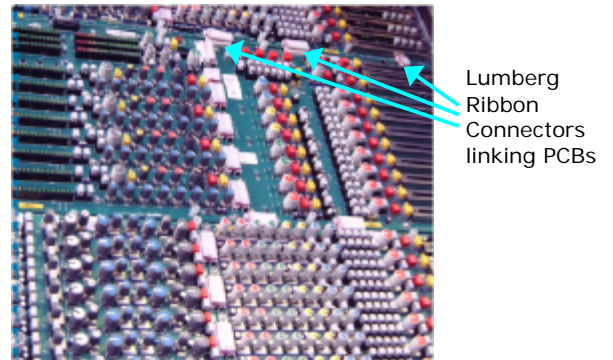
5 Lift the fascia off.

Lever the fascia from the top edge as shown right (inset). **Important!** - For the Output module, disconnect the Talk Back XLR Molex connector as you lift the fascia.



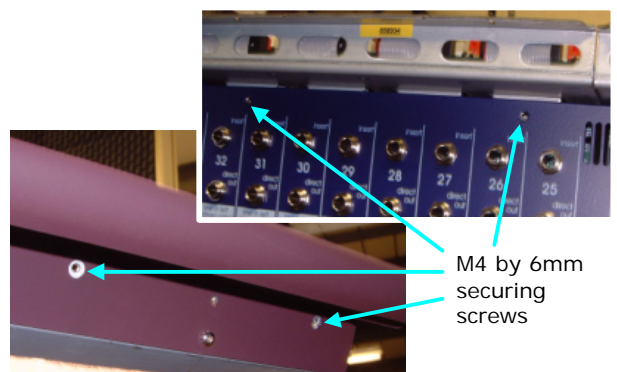
6 Disconnect the ribbon cables between PCBs.

The Lumberg ribbon cables must be carefully disconnected using the customised Lumberg Removal tool. Please refer to separate instructions at Section 2.4.



7 Remove module securing screws, as follows

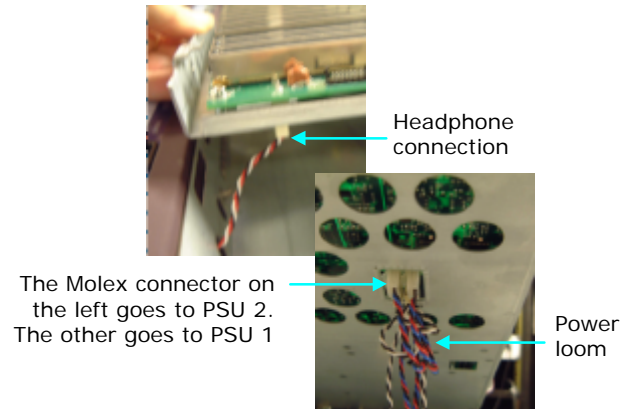
- M3 by 10mm (Torx T10) screw(s) on the module face - input modules have a single securing screw half-way down the left-hand edge, while the output module has one either side. The remaining M3 screws fix the PCBs to the module housing.
- M4 by 6mm (Torx T15) on the rear above the Insert Jack's (upper photo).
- M4 by 6mm (Torx T15) on the front, below the armrest (lower photo). On some frame sizes, there is also an M4 x 10mm (Torx T10) screw to remove.



8 Disconnect headphone socket and power loom (Output module only).

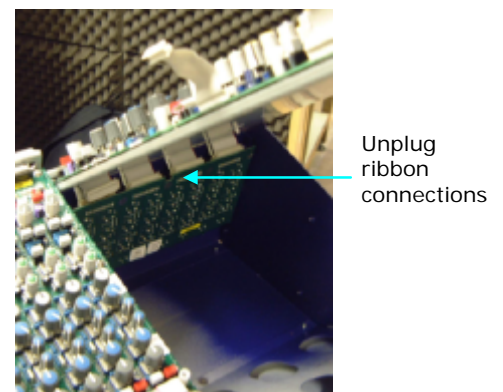
Lift output module from the fader end approximately 5 cm to expose headphone socket. Disconnect.

Lift Output module slightly further to expose power loom. Cut cable tie holding the loom to the chassis. Disconnect.



9 Disconnect ribbon cables to connector PCB.

Working in turn, lift the output/input modules from the fader end to expose ribbon connectors beneath panel, as shown right. Disconnect the ribbon cables.



10 Lift out module(s).

To remove the Input Connector PCB(s) (e.g. when swapping modules around)

- 1 Remove all the XLR screws (16 off)
- 2 Remove all of the ¼ inch, Jack socket nuts
- 3 Remove the Jack socket washers (located behind the jack nuts).
- 4 Lift out the input connector PCB from the chassis.

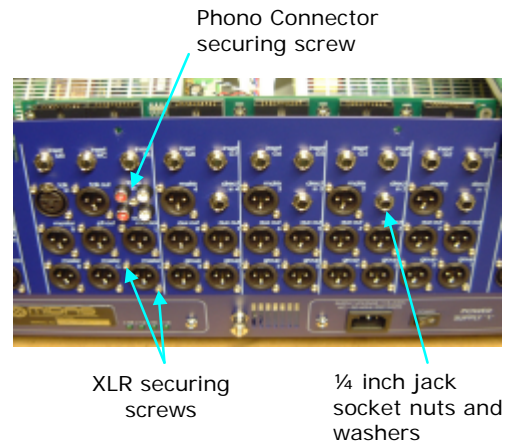


Note Each input connector board handles 8 channels. The mono and multifunctional connector pcb(s) are the same pcb but with different components fitted. For details of the component differences, see the V0002 Mono Input connector PCB schematics.

Modules and PCB's

To remove the Output Connector PCB

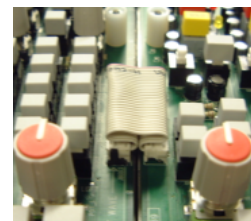
- 1 Remove all XLR securing screws (56 off).
- 2 Remove the screw in the middle of the phono connectors.
- 3 Remove the ¼ inch jack socket nuts (15 off).
- 4 Remove all the jack socket washers, located behind the nuts (15 off).
- 5 Lift out the output connector from the chassis.



To refit the modules reverse the removal process, as follows:

(Refer to photographs in removal section, as required)

- 1 Refit input connectors, ensuring that all screws are fully tightened.
- 2 Set the module(s) onto the chassis.
- 3 With module partially lifted, reconnect ribbon cables to connector PCB.
! Take care not to bend metal contacts.
- 4 On output module, reconnect headphone socket and power loom.
- 5 Replace and tighten the module securing screws.
- 6 Reconnect and dress the ribbon cables between PCBs as shown right.
- 7 Replace the fascia, remembering to reconnect the Talk Back connector on the Output module.
! Take care not to trap or bend LEDs; if they become bent, use long nose pliers to gently straighten them.
- 8 Replace and tighten the fascia(s) securing screws. To ensure correct seating, fix the screws on the left and right edges first, then fix the top and bottom.
- 9 Replace the Fader knobs.
- 10 Replace the top trim.
- 11 Replace the Verona side cheek(s).



Correctly dressed ribbon

2.2. Removing Module PCBs

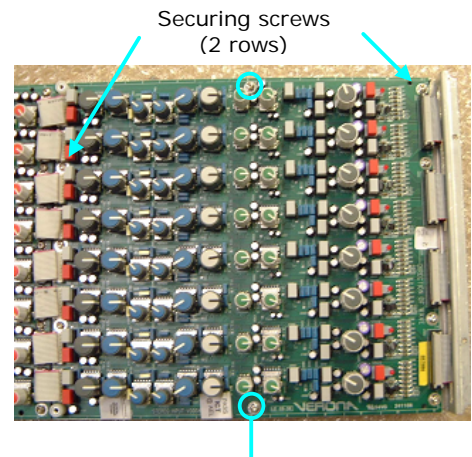
2.2.1 Mono and Multifunction Modules

The input/multifunction module chassis holds two PCBs, as follows:

- Upper - Mic pre-amp and EQ sections
- Lower - Fader and aux send sections

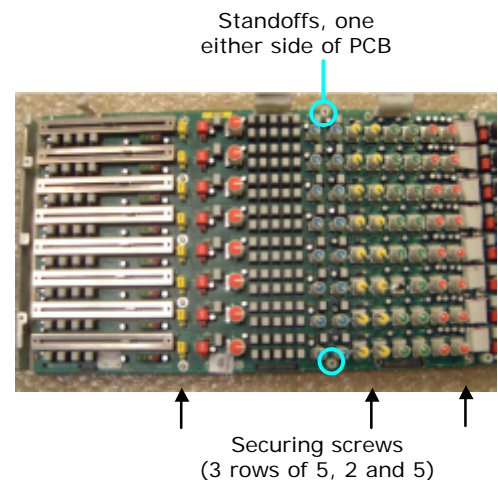
To remove the upper PCB:

- 1 Work through Steps 1 – 5 of Section 2.1, i.e. to the removal of the module fascia.
- 2 After lifting of the fascia, remove the 2*M3 by 10mm stand offs and the 7*M3 by 6mm screws securing the Upper PCB to the Input Module (located as shown right).
- 3 Disconnect the ribbon cables linking to the lower PCB and the ribbon cables at the top linking to the Connector Module.
- 4 Lift out the PCB.



To remove the lower PCB:

- 1 Work through Steps 1 – 5 of Section 2.1, i.e. to the removal of the module fascia.
- 2 After lifting of the fascia, remove the 2*M3 by 10mm stand offs and the 12*M3 by 6mm screws securing the lower PCB to the Input Module (located as shown right).
- 3 Disconnect the ribbon cables linking to the upper PCB and the ribbon cables along the sides linking to adjacent modules.
- 4 Lift out the PCB.



To replace the PCB(s):

- 1 Set the PCB(s) into the chassis taking care not to trap the ribbon cables.
- 2 Reconnect and dress the ribbon cables taking care not to bend the metal contacts (refer to photo in Section 2.2).
- 3 Replace and tighten the securing screws and stand offs.

Modules and PCB's

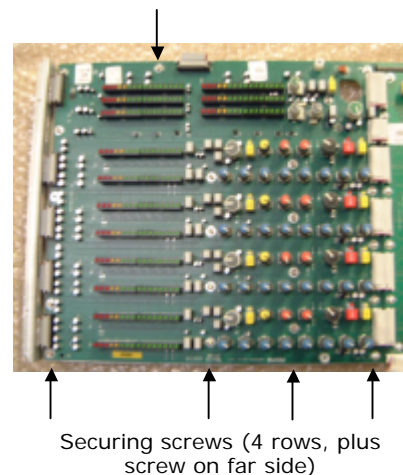
2.2.2 Output Module

The output module chassis holds two PCBs, namely:

- Upper - Matrix Outputs and Group Meters
- Lower - Fader and Aux section

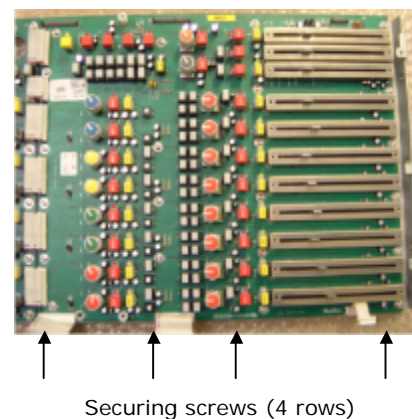
To remove the upper PCB:

- 1 Work through Steps 1 – 5 of Section 2.1, i.e. to the removal of the module fascia.
- 2 After lifting of the fascia, remove the 2*M3 by 10mm stand offs and the 19*M3 by 6mm screws securing the Upper PCB to the Input Module (located as shown right).
- 3 Disconnect the ribbon cables linking to the lower PCB and the ribbon cables at the top linking to the Connector Module.
- 4 Lift out the PCB.



To remove the lower PCB:

- 1 Work through Steps 1 – 5 of Section 2.1, i.e. to the removal of the module fascia.
- 2 After lifting of the fascia, remove the 2*M3 by 10mm stand offs and the 23*M3 by 6mm screws securing the lower PCB to the Input Module (located as shown right).
- 3 Disconnect the ribbon cables linking to the upper PCB and the ribbon cables along the sides linking to adjacent modules.
- 4 Lift out the PCB.



To replace the PCB(s):

- 1 Set the PCB(s) into the chassis taking care not to trap the ribbon cables.
- 2 Reconnect and dress the ribbon cables taking care not to bend the metal contacts (refer to photo in Section 2.2).
- 3 Replace and tighten the securing screws and stand offs.

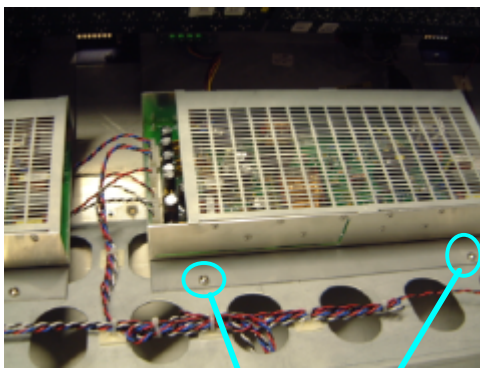
Note Early consoles have an extra screw location on the top edge to the right of the second ribbon connector (from left). Do not use this when refitting the PCB, as it will interfere with replacing the fascia.

2.3. Removing the Power Supply Units

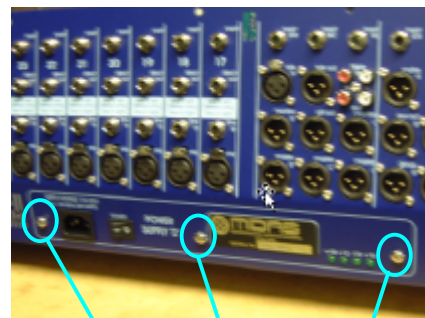
The Verona Console is fitted with two PSUs, located within the console housing beneath the central Input and Output modules.

To remove a PSU:

- 1 Remove all modules as described in Section 2.1 to gain access to the inside of the console.
- 2 Disconnect the Output wiring loom.
- 3 Using a T15 Torx bit, remove the 2*M4 by 6mm internal fixing screws (shown below left).
- 4 Using the T15 Torx bit, remove the 3*M4 by 6mm external fixing screws on the console rear panel (shown below right).
- 5 Lift out the PSU.



Internal fixing screws



External Fixing Screws

To refit a PSU:

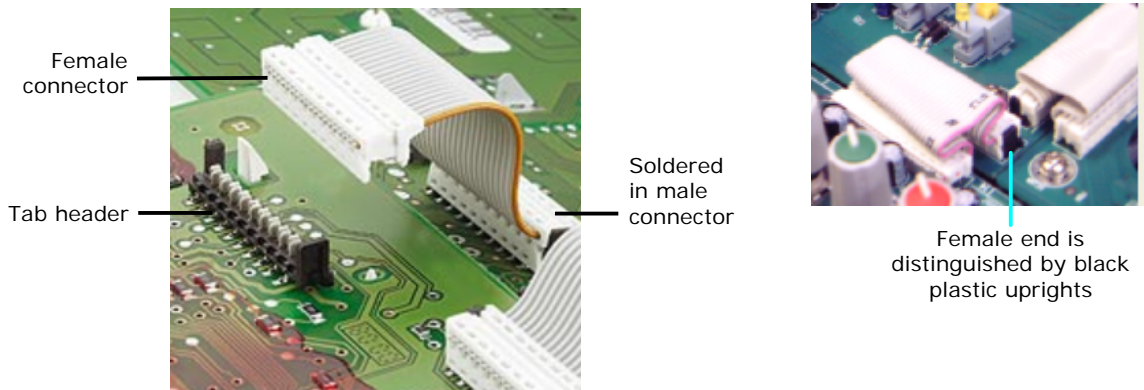
- 1 Seat the PSU in position and replace the 3 external and 2 internal fixing screws.
- 2 Reconnect the power loom.

Modules and PCB's

2.4. Disconnecting Ribbon Cables

The Verona console uses ribbon cables with Lumberg connectors for most of the interconnections between PCBs. As shown below, the ribbon cable is connected as follows:

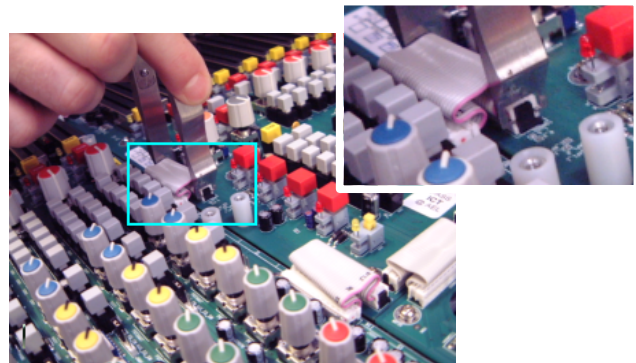
- A male connector on one end of the ribbon cable is soldered onto the first PCB.
- A female connector on the other end of the cable connects to Tab Header which is soldered onto the second PCB. Two black plastic uprights of different size on the Tab Header control the orientation and secure the connector in place.



Note To avoid damage to the black uprights or to the cable, we recommend that the custom Lumberg Removal tool is used to disconnect the ribbon cables

To disconnect a ribbon cable:

- 1 Place the custom Lumberg Tool over the tab header and connector, as shown below.
- 2 Squeeze the two prongs together, positioning the right angle grips at the bottom of the tool beneath the white plastic ridges on the connector.
- 3 Once the connector is gripped, pull up to unlatch the female connector from the Tab header.



To reconnect a ribbon cables:

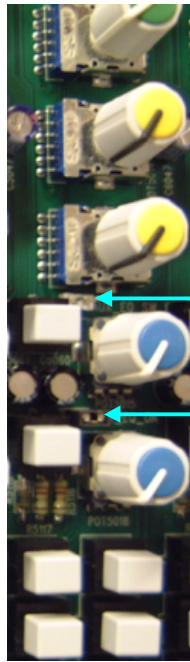
- 1 Fit the female connector to the tab header.
- 2 Dress the ribbon cable as shown right.



3. INPUT MODULES, PRE AND POST EQ OPTIONS

3.1. Mono Input Module Aux 7 and 8

The console operator can switch Input Aux Sends 1- 6 to pre or post EQ using the global Aux Pre button on the Verona Aux Output panel. To enable the Operator to use a mix of pre and post aux sends, Aux 7&8 are not linked to the global Aux Pre button. Instead, they are internally set to pre or post EQ by moving the jumper on the lower PCB of the Mono Input/Multifunction module as shown below.



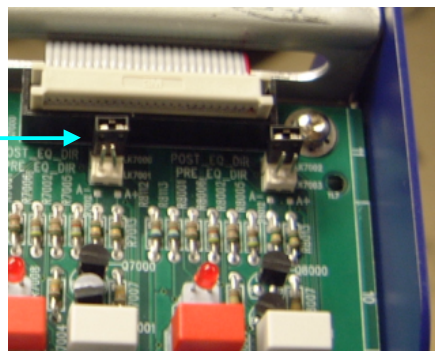
Place jumper on upper pins to select Pre EQ

Place jumper on lower pins to select Post EQ

3.2. Mono Input Direct Output

The Direct Output on the Mono Input Module can be set to Pre or Post EQ by moving the internal jumpers, as shown below.

Place jumper on top pins for post EQ (shown) or the lower pins for pre EQ.



3.3. Multifunction Aux 7 and 8

As for the Mono Input channels, the Multifunction Channel Aux Sends 1- 6 are switched between pre and post EQ using the global Aux Pre button on the Aux Output panel, while Aux 7 and 8 are set separately via internal jumpers on the lower PCB. In this case, however, the choice is either Pre/Post switchable (i.e. linked to Aux 1-6) or Post EQ (unlinked). The jumper positioning is indicated below.

Place jumper on top pins for switchable EQ or bottom pins to set post EQ.



Component Location Using the Verona PCB Screen Print

The top and bottom of the Verona PCBs have a grid system screen printed along the edges of the board. This grid is numbers Vertically and has letters Horizontally. If you need to locate a specific component it can be done quickly in the following manner:

1 – Locate the identification of the part you wish to find on the board from the schematics

i.e. The phantom switch of channel 7 on the V0001 board, this is marked S7021 on page 21 of the schematics.

2 – Go to the Identification table and look up the part identification and note if the part is located on the top or bottom of the pcb. Then note the grid reference locator.

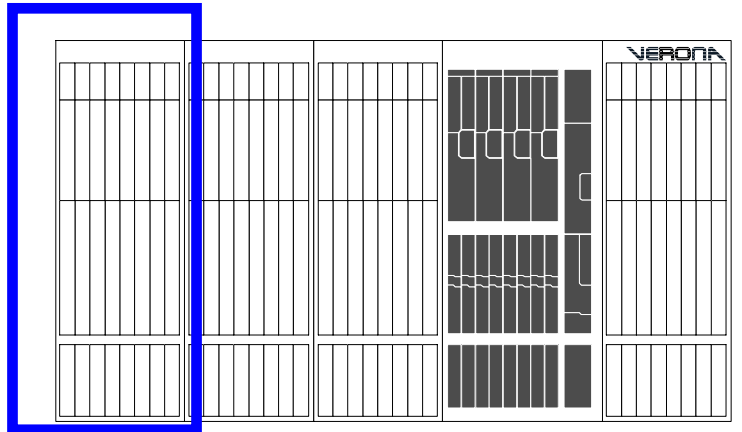
i.e. S7201 is located on the Top of the V0001-01 board and is in grid reference H10

3- Go to the Board overlay and using the markings along the edge and the grid reference obtained and locate the part.



V0001 Mono Input Module

Front Panel Overlay -
V0001 Parts List -





KLARK TEKNIK GROUP



KLARK TEKNIK
SIGNAL PROCESSING BY DEFINITION

Part Identifier	Description	Quantity	Reference Text
Verona Mono Input Module			
FAS11-M3X16PN	M3X16 PAN NICKEL TORX	4	
HWR11-CE3299	COUNTERBORED PCB SPACER	4	
HWR99-PSM601	RICHCO MINI PUSH SPACER	3	
MWX-V0001M01-2	MONO I/P MODULE FASCIA	1	
MWX-V0001M02-2	I/P MODULE SUB CHASSIS	1	
MWX-V000M26-1	CONSOLE LOWER PCB SPACER	4	
MWX-V000M27-1	CONSOLE UPPER PCB SPACER	4	
V0001-02-2	MONO INPUT PCB ASSY	1	
V0001-PLASTIC-1	VERONA MONO INPUT PLASITC	0	
V0003-01-3	INPUT FADER PCB ASSY	1	

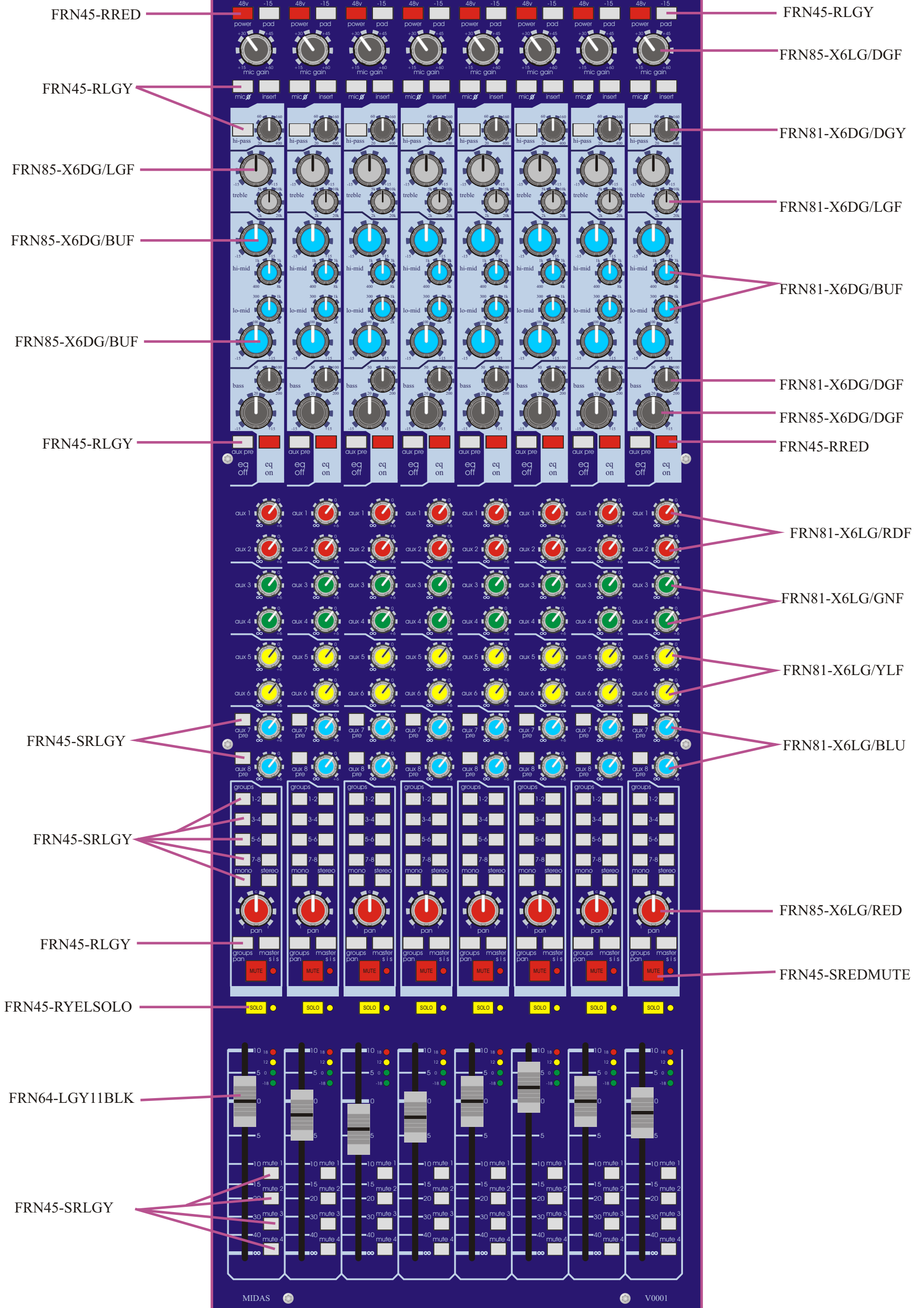


KLARK TEKNIK GROUP



Part Identifier	Description	Quantity	Reference Text
Verono Mono Input Plastics			
FRN45-RLGY	SIFAM RECT LGY PLAIN CAP	560	
FRN45-RRED	SIFAM RECT RED PLAIN CAP	160	
FRN45-RYELSOLO	SIFAM RECT YELL (SOLO)	80	
FRN45-SREDMUTE	SIFAM SQ RED (MUTE) CAP	80	
FRN45-SRLGY	SIFAM SML RECT LGY PLAIN	1,280	
FRN64-LGY11BLK	11MM 2PART F/KNOB LT/GRY	80	
FRN81-X6DG/BUF	11MM MIDAS KNOB 6MM D	160	
FRN81-X6DG/DGF	11MM MIDAS KNOB 6MM D	80	
FRN81-X6DG/DGY	11MM MIDAS KNOB 6MM D	80	
FRN81-X6DG/LGF	11MM MIDAS KNOB 6MM D	80	
FRN81-X6LG/BLU	11MM MIDAS KNOB 6MM D	160	
FRN81-X6LG/GNF	11MM MIDAS KNOB 6MM D	160	
FRN81-X6LG/RDF	11MM MIDAS KNOB 6MM D	160	
FRN81-X6LG/YLF	11MM MIDAS KNOB 6MM D	160	
FRN85-X6DG/BUF	15MM MIDAS KNOB 6MM D	160	
FRN85-X6DG/DGF	15MM MIDAS KNOB 6MM D	80	
FRN85-X6DG/LGF	15MM MIDAS KNOB 6MM D	80	
FRN85-X6LG/DGF	15MM MIDAS KNOB 6MM D	80	
FRN85-X6LG/RED	15MM MIDAS KNOB 6MM D	80	

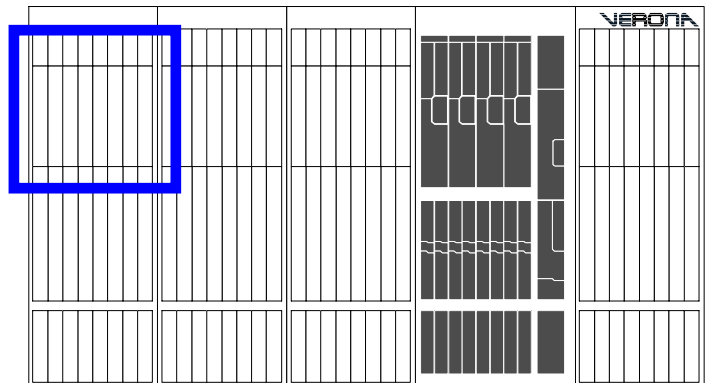
MONO INPUT MODULE

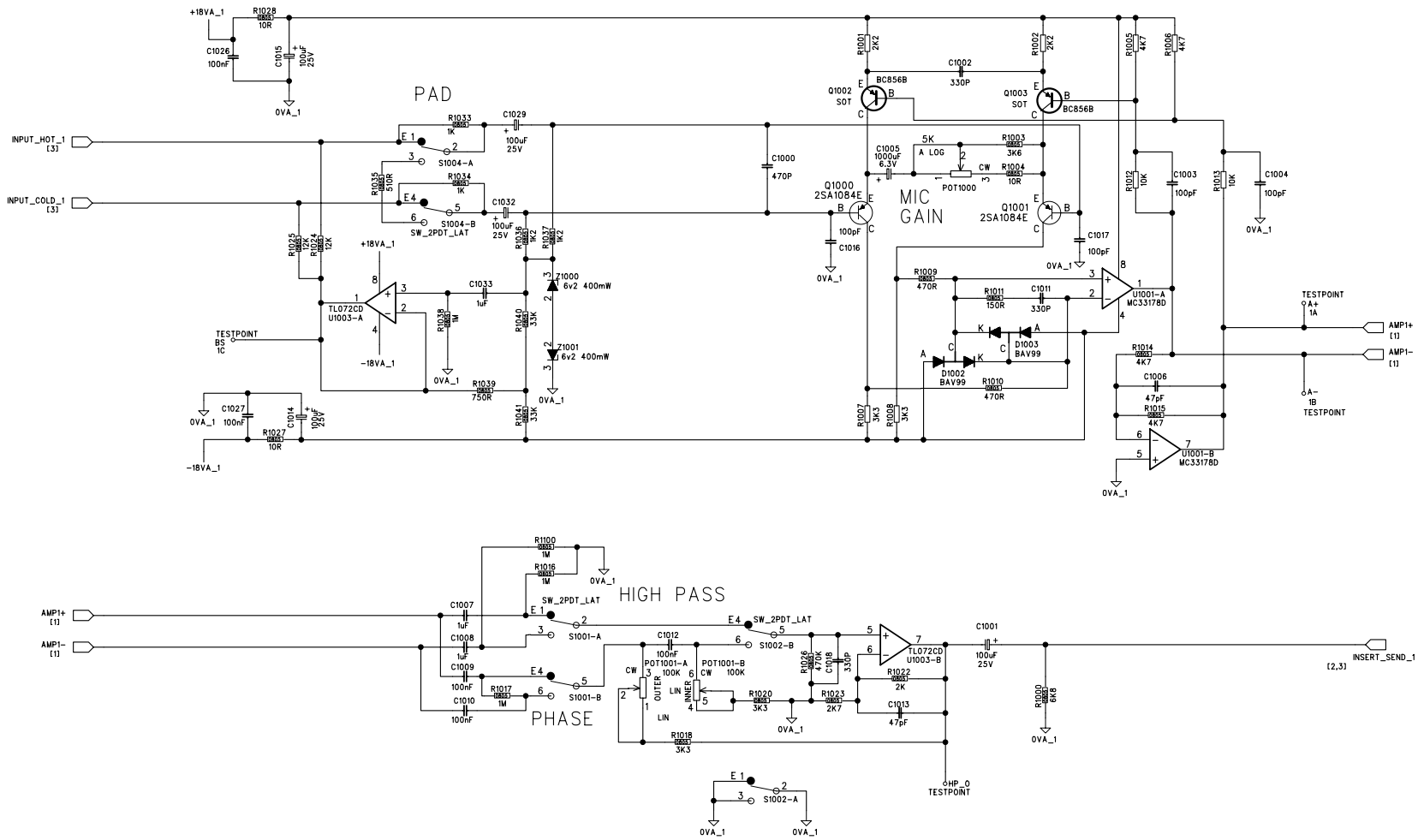




V0001 Mono Input PCB Upper Board Mic Pre-amp and EQ

- V0001 Schematics -
- V0001 Board Overlay -
- V0001 Parts Grid Locator -
- V0001 Parts List -





UNIT: VERONA

MIDAS AUDIO

TITLE: MONO INPUT

DRAWN: AC

DATE: 03-08-03

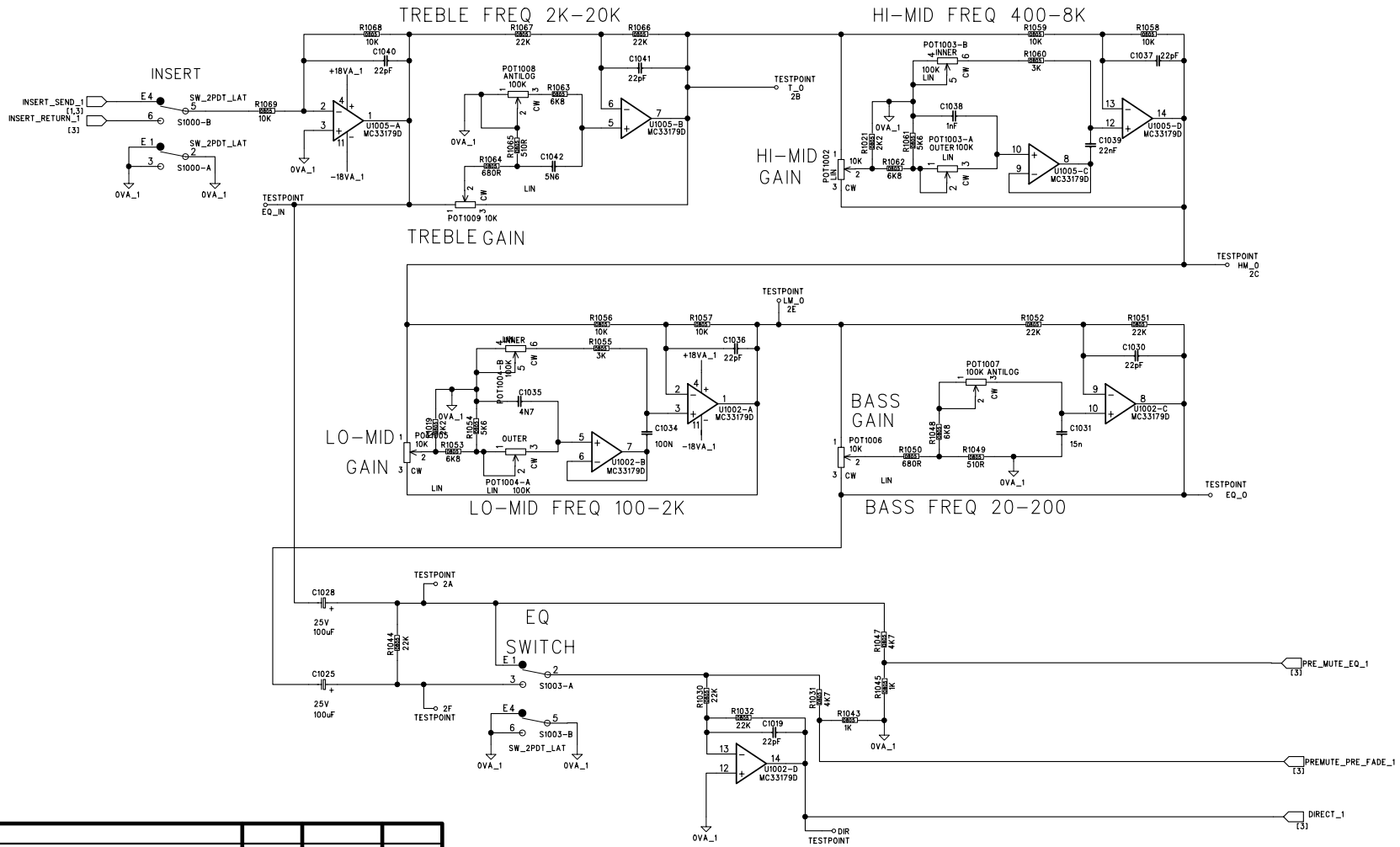
SHEET: 1 OF 24

BOARD No. V0001 BOARD Iss. 1

CHECKED:

DRG No. PCX-V0001-1.SCH

AMENDMENTS	ISS.	INIT.	DATE.



UNIT: VERONA

MIDAS AUDIO

TITLE: MONO INPUT

DRAWN: AC

DATE: 03-08-03

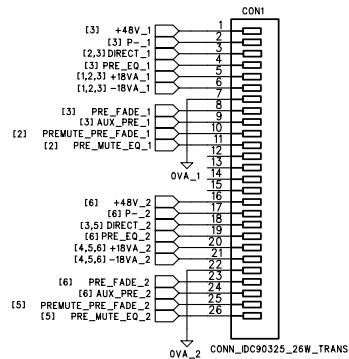
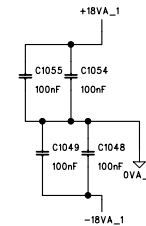
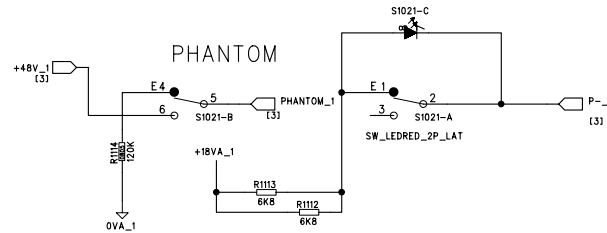
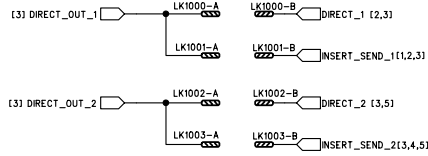
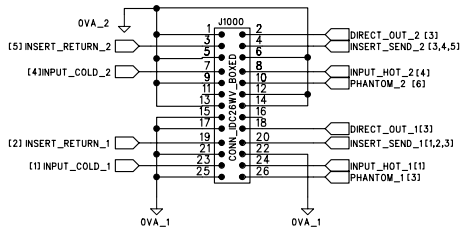
SHEET: 2 OF 24

AMENDMENTS	ISS.	INIT.	DATE.

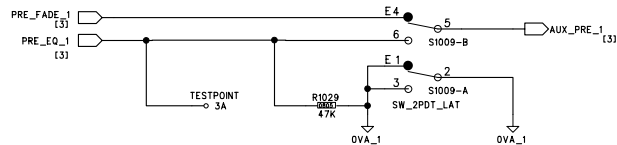
BOARD No. V0001 BOARD Iss. 1

CHECKED:

DRG No. PCX-V0001-1.SCH



PRE EQ



UNIT: VERONA

TITLE: MONO INPUT

BOARD No. V0001 BOARD Iss. 1

MIDAS AUDIO

DRAWN: AC

DATE: 03-08-03

SHEET: 3 OF 24

CHECKED:

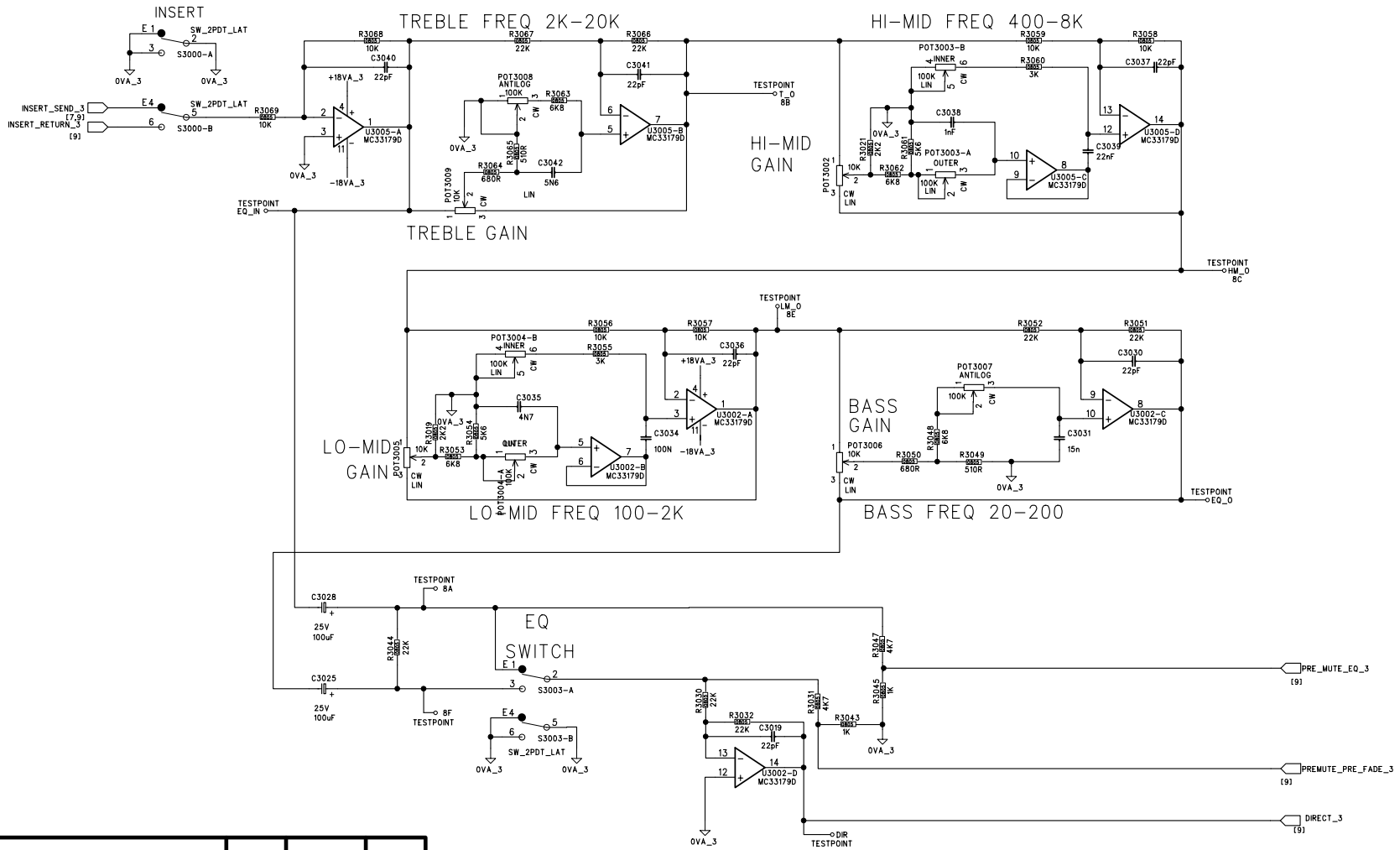
DRG No. PCX-V0001-1.SCH

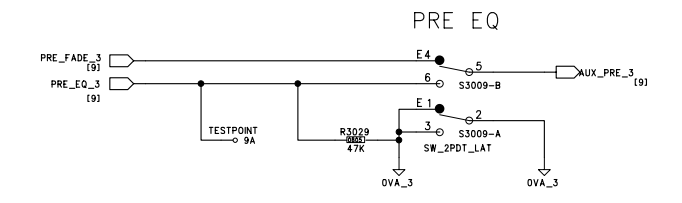
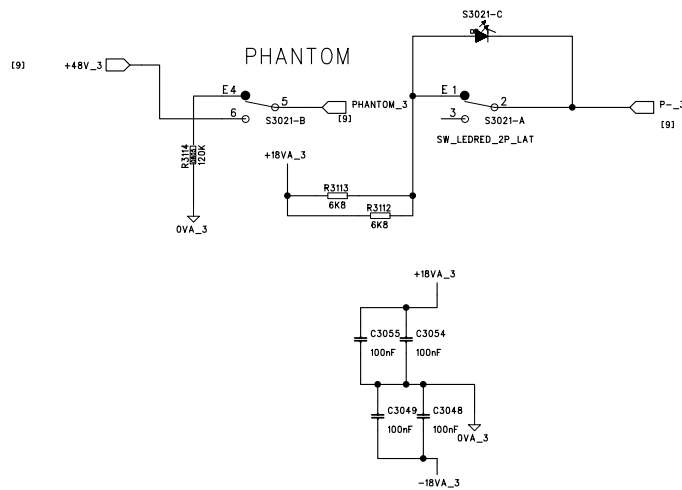
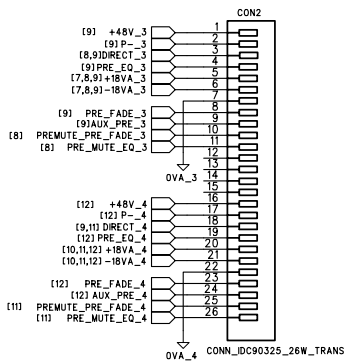
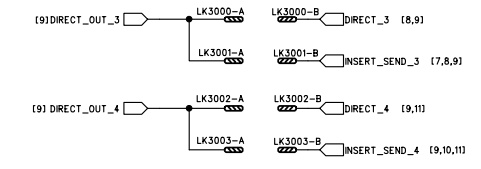
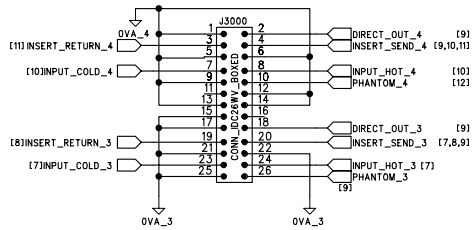
AMENDMENTS

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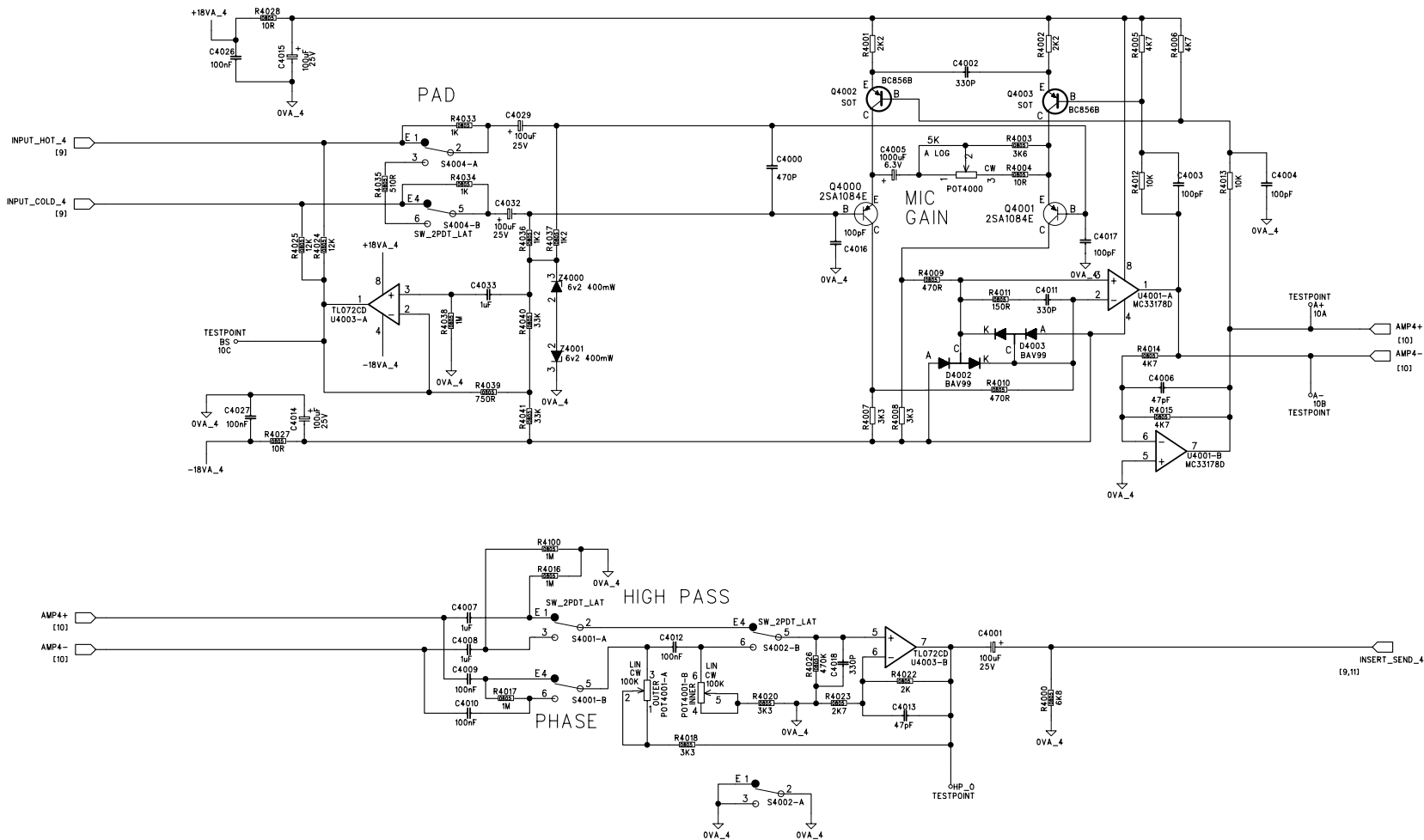
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AMENDMENTS	ISS.	INIT.	DATE.

UNIT: VERONA		MIDAS AUDIO	
TITLE: MONO INPUT		DRAWN: AC	DATE: 03-08-03
BOARD No. V0001 BOARD Iss. 1		CHECKED:	SHEET: 9 OF 24
		DRG No. PCX-V0001-1.SCH	



UNIT: VERONA

TITLE: MONO INPUT

BOARD No. V0001 BOARD Iss. 1

MIDAS AUDIO

DRAWN: AC

DATE: 03-08-03

SHEET: 10 OF 24

AMENDMENTS

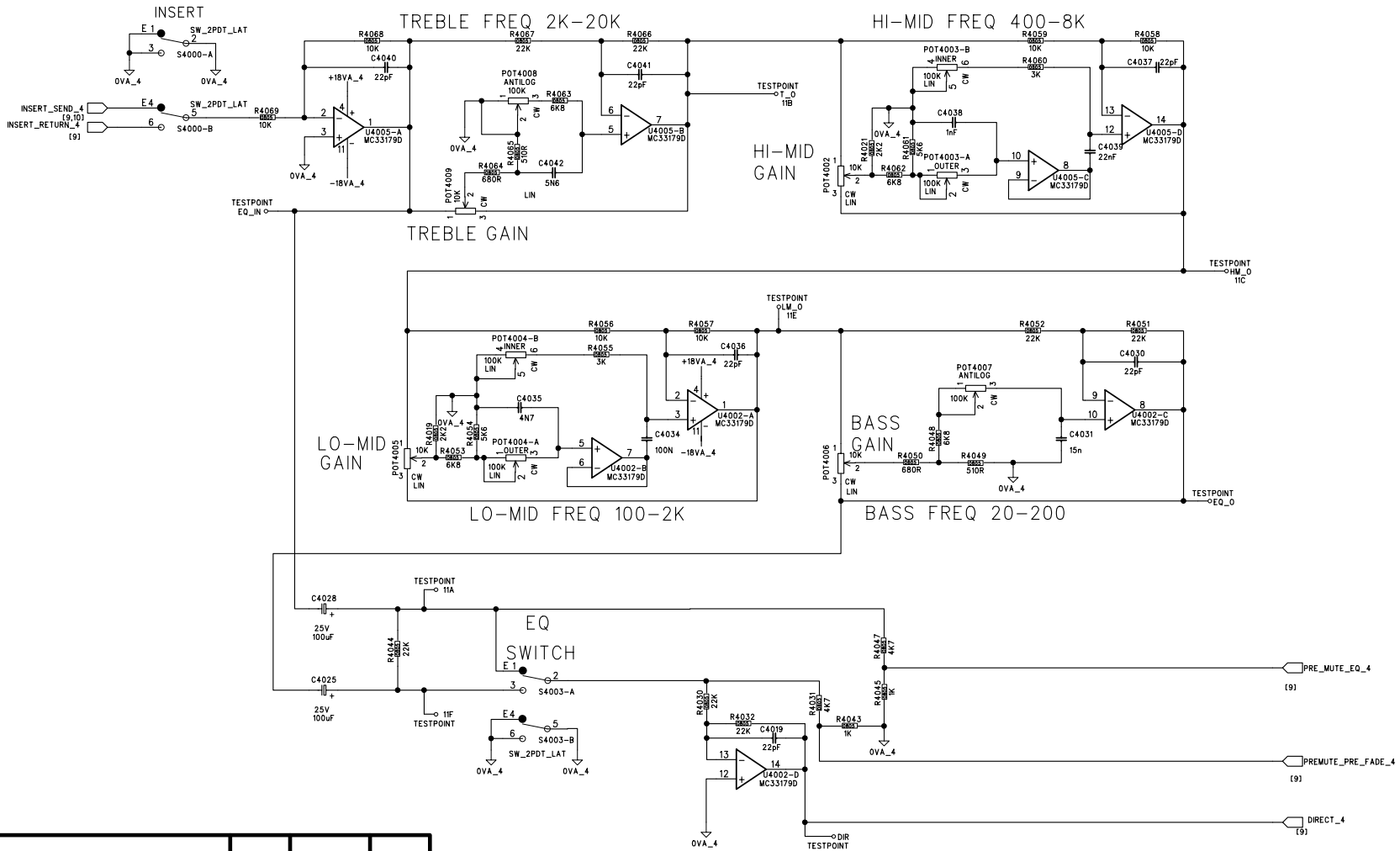
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INIT.

DATE.

CHECKED:

DRG No. PCX-V0001-1.SCH



UNIT: VERONA

MIDAS AUDIO

TITLE: MONO INPUT

DRAWN: AC

DATE: 03-08-03

SHEET: 11 OF 24

BOARD No. V0001 BOARD Iss. 1

CHECKED:

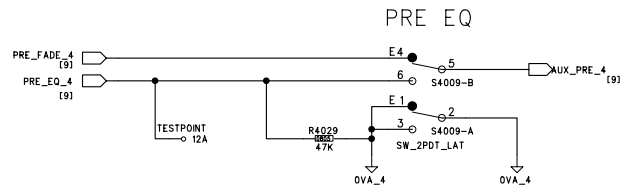
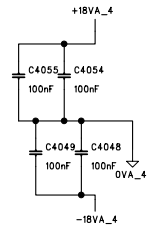
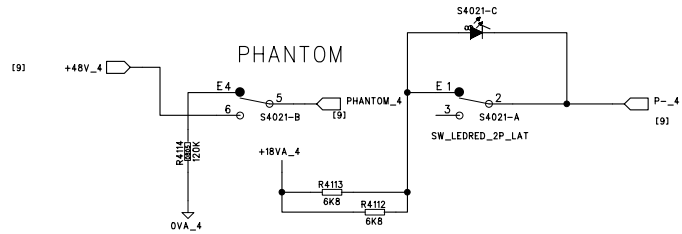
DRG No. PCX-V0001-1.SCH

AMENDMENTS

ISS.

INIT.

DATE.



UNIT: VERONA

MIDAS AUDIO

TITLE: MONO INPUT

DRAWN: AC

DATE: 03-08-03

SHEET: 12 OF 24

AMENDMENTS

ISS.

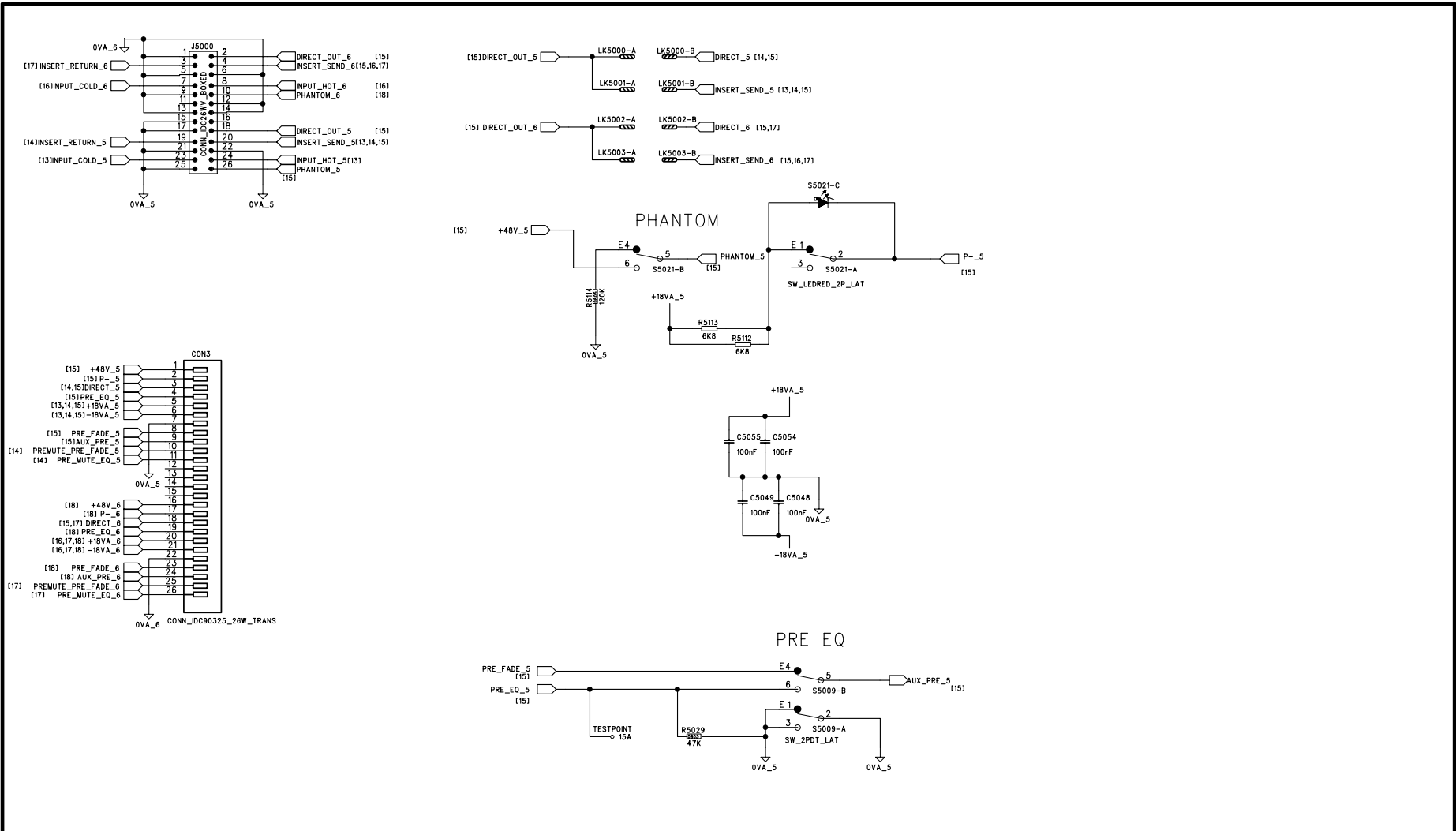
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DATE.

BOARD No. V0001 BOARD Iss. 1

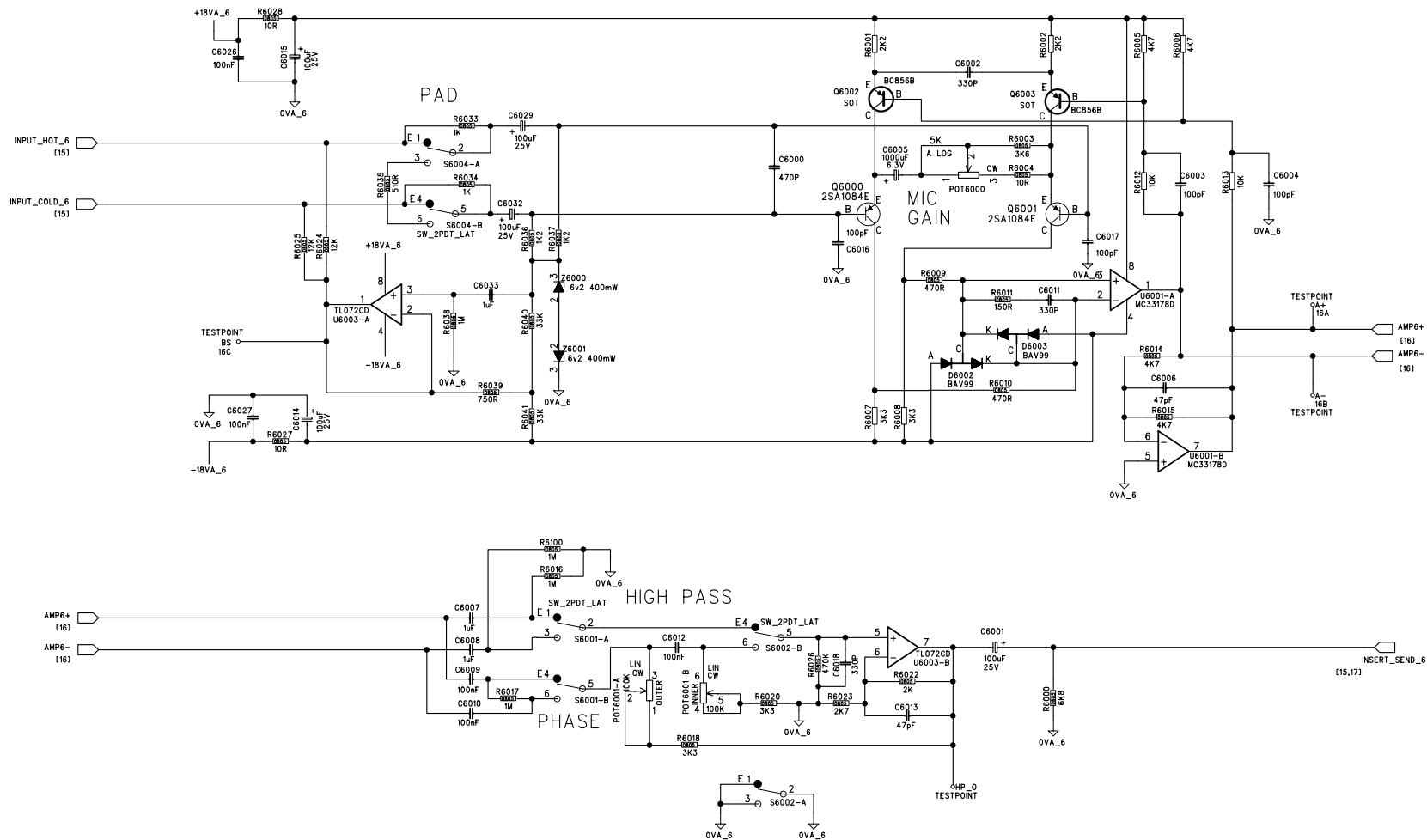
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DRG No. PCX-V0001-1.SCH



AMENDMENTS	ISS.	INIT.	DATE.

UNIT: VERONA	MIDAS AUDIO		
TITLE: MONO INPUT	DRAWN: AC	DATE: 03-08-03	SHEET: 15 OF 24
BOARD No. V0001 BOARD Iss. 1	CHECKED:	DRG No. PCX-V0001-1.SCH	



UNIT: VERONA

MIDAS AUDIO

TITLE: MONO INPUT

DRAWN: AC

DATE: 03-08-03

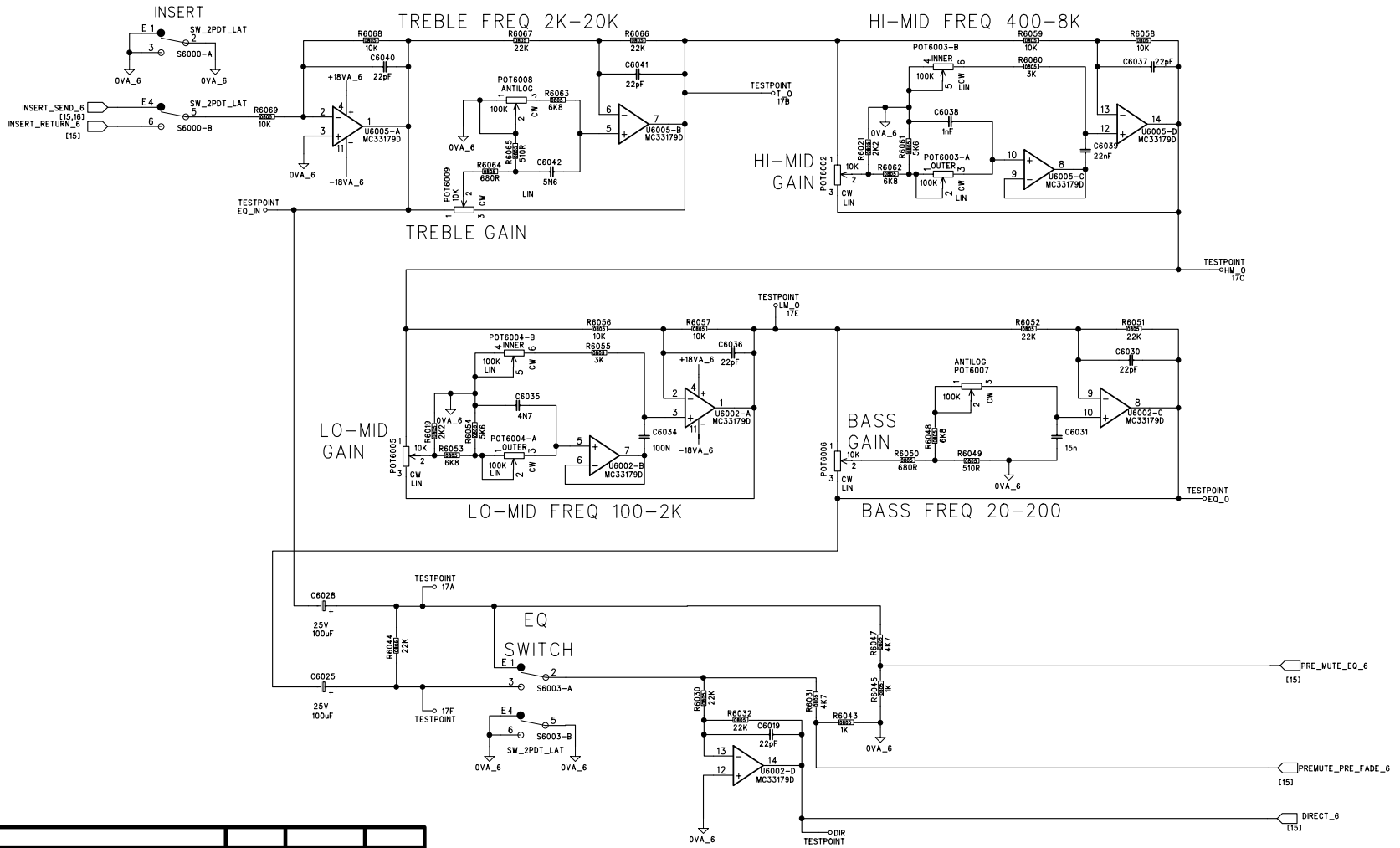
SHEET: 16 OF 24

AMENDMENTS	ISS.	INIT.	DATE.

BOARD No. V0001 BOARD Iss. 1

CHECKED:

DRG No. PCX-V0001-1.SCH



UNIT: VERONA

MIDAS AUDIO

TITLE: MONO INPUT

DRAWN: AC

DATE: 03-08-03

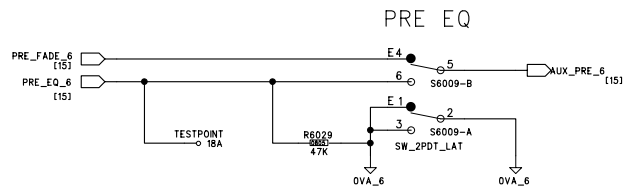
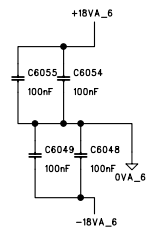
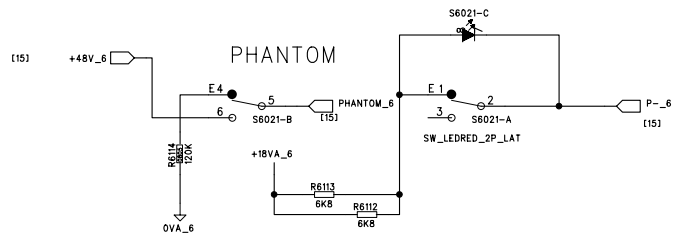
SHEET: 17 OF 24

AMENDMENTS ISS. INIT. DATE.

BOARD No. V0001 BOARD Iss. 1

CHECKED:

DRG No. PCX-V0001-1.SCH



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UNIT: VERONA

TITLE: MONO INPUT

BOARD No. V0001 BOARD Iss. 1

MIDAS AUDIO

DRAWN: AC

DATE: 03-08-03

SHEET: 18 OF 24

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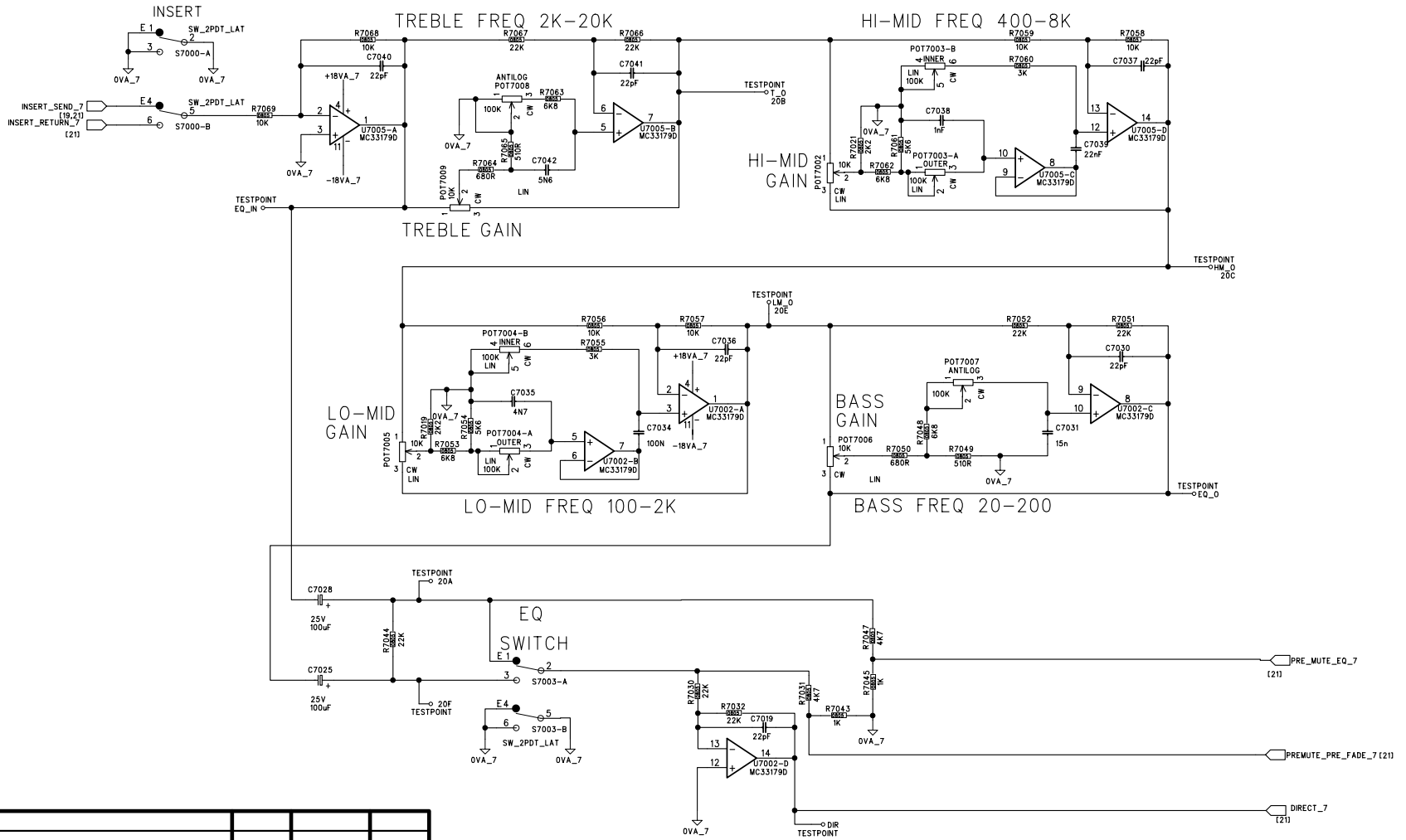
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AMENDMENTS

ISS.

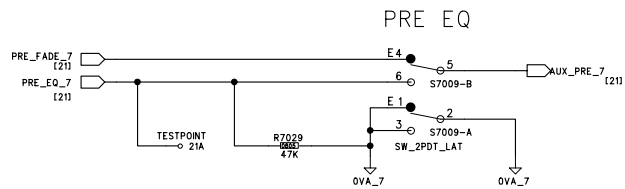
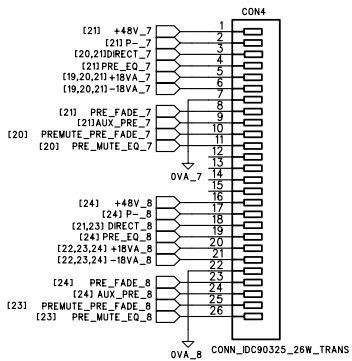
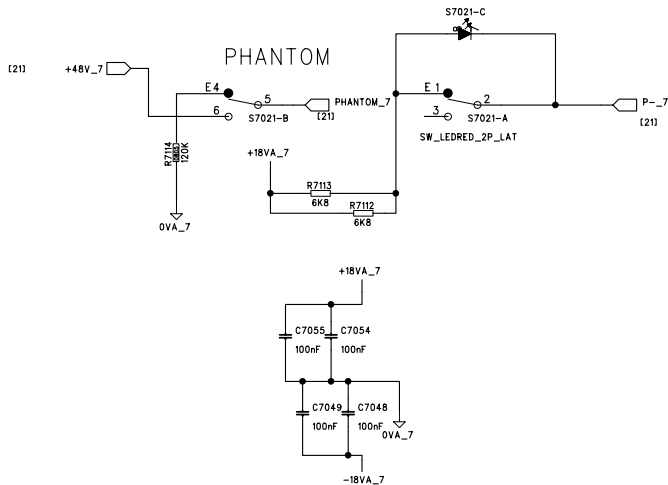
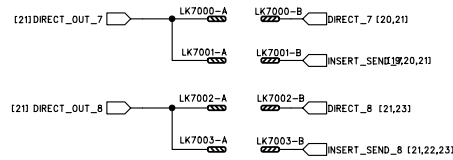
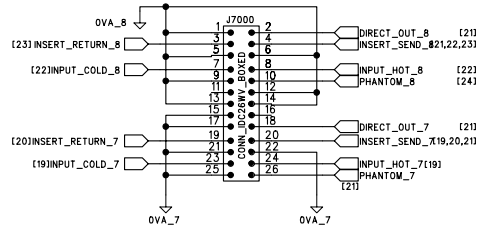
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DATE.



UNIT: VERONA
 TITLE: MONO INPUT
 BOARD No. V0001 BOARD Iss. 1

MIDAS AUDIO
 DRAWN: AC DATE: 03-08-03 SHEET: 20 OF 24
 CHECKED: DRG No. PCX-V0001-1.SCH



UNIT: VERONA

MIDAS AUDIO

TITLE: MONO INPUT

DRAWN: AC

DATE: 03-08-03

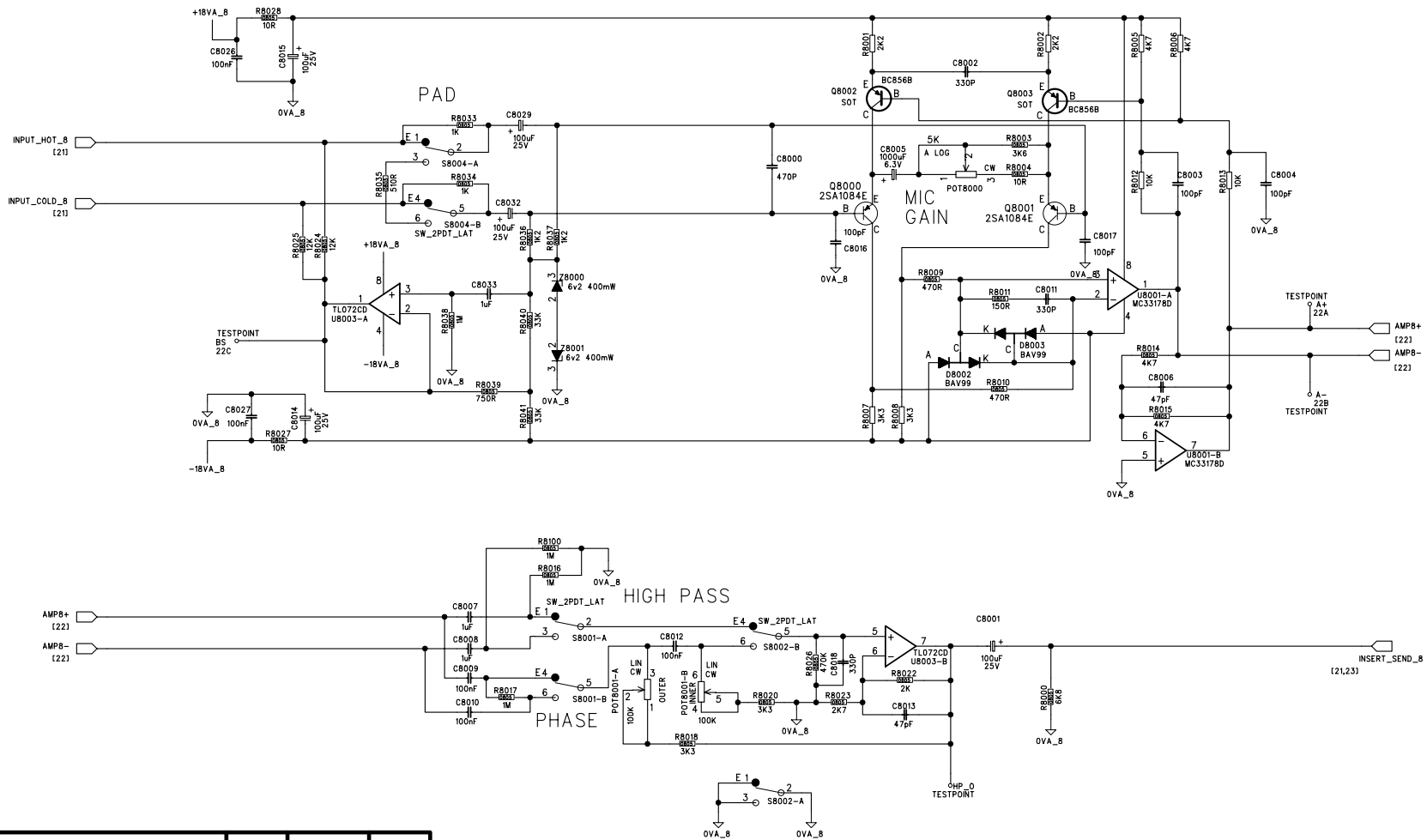
SHEET: 21 OF 24

AMENDMENTS ISS. INIT. DATE.

BOARD No. V0001 BOARD Iss. 1

CHECKED:

DRG No. PCX-V0001-1.SCH



UNIT: VERONA

MIDAS AUDIO

TITLE: MONO INPUT

DRAWN: AC

DATE: 03-08-03

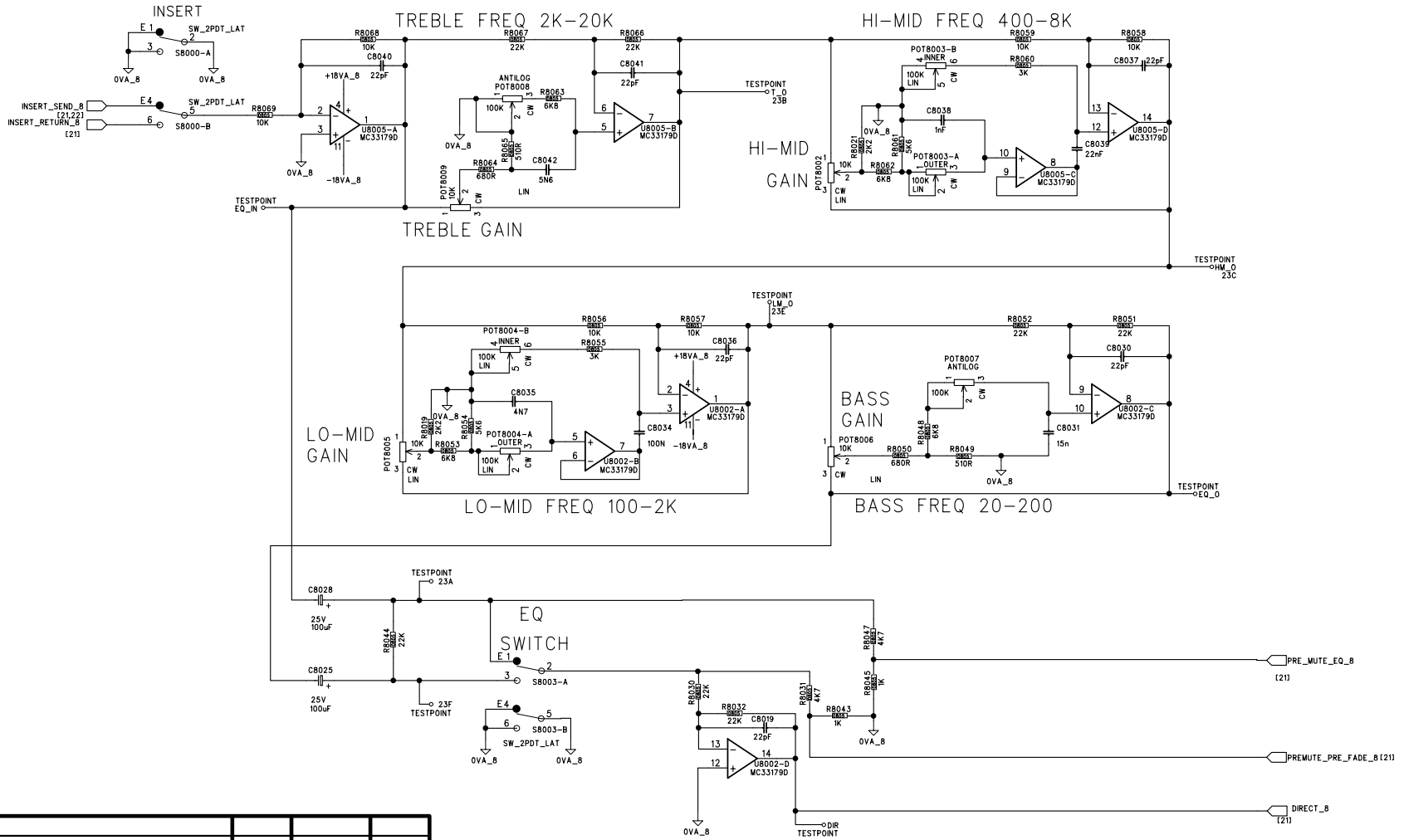
SHEET: 22 OF 24

AMENDMENTS	ISS.	INIT.	DATE.

BOARD No. V0001 BOARD Iss. 1

CHECKED:

DRG No. PCX-V0001-1.SCH



AMENDMENTS	ISS.	INIT.	DATE.		

UNIT: VERONA

MIDAS AUDIO

TITLE: MONO INPUT

DRAWN: AC

DATE: 03-08-03

SHEET: 23 OF 24

BOARD No. V0001 BOARD Iss. 1

CHECKED:

DRG No. PCX-V0001-1.SCH

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
1A	Bottom	B10
1B	Bottom	B10
1C	Top	A8
2A	Bottom	A1
2B	Top	A5
2C	Top	A4
2E	Top	A3
2F	Bottom	A1
3A	Bottom	A1
4A	Bottom	C10
4B	Bottom	C10
4C	Top	B8
5A	Bottom	C1
5B	Top	B5
5C	Top	B4
5E	Top	B3
5F	Bottom	B1
6A	Bottom	B1
7A	Bottom	D10
7B	Bottom	D10
7C	Top	D8
8A	Bottom	D1
8B	Top	C5
8C	Top	C4
8E	Top	C3
8F	Bottom	D1
9A	Bottom	C1
10A	Bottom	E10
10B	Bottom	E10
10C	Top	E8
11A	Bottom	E1
11B	Top	D5
11C	Top	D4
11E	Top	D3
11F	Bottom	E1
12A	Bottom	D1
13A	Bottom	F10
13B	Bottom	F10
13C	Top	F8
14A	Bottom	F1
14B	Top	E5
14C	Top	E4
14E	Top	E3
14F	Bottom	F1
15A	Bottom	E1
16A	Bottom	G10
16B	Bottom	G10
16C	Top	G8
17A	Bottom	G1
17B	Top	G5
17C	Top	G4
17E	Top	G3
17F	Bottom	G1
18A	Bottom	G1

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
19A	Bottom	H10
19B	Bottom	H10
19C	Top	H8
20A	Bottom	H1
20B	Top	H5
20C	Top	H4
20E	Top	H3
20F	Bottom	H1
21A	Bottom	H1
22A	Bottom	I10
22B	Bottom	I10
22C	Top	I8
23A	Bottom	I1
23B	Top	I5
23C	Top	I4
23E	Top	I3
23F	Bottom	I1
24A	Bottom	I1
C1000	Bottom	A10
C1001	Top	B7
C1002	Bottom	A10
C1003	Bottom	B10
C1004	Bottom	B10
C1005	Top	A9
C1006	Bottom	B8
C1007	Bottom	A8
C1008	Bottom	A8
C1009	Bottom	A8
C1010	Bottom	A8
C1011	Bottom	B9
C1012	Bottom	B7
C1013	Bottom	B7
C1014	Top	A8
C1015	Top	A8
C1016	Bottom	B10
C1017	Bottom	A10
C1018	Bottom	A7
C1019	Bottom	A3
C1025	Top	B2
C1026	Bottom	A7
C1027	Bottom	A7
C1028	Top	B2
C1029	Top	A9
C1030	Bottom	B3
C1031	Top	A2
C1032	Top	B9
C1033	Bottom	B8
C1034	Top	B3
C1035	Top	A4
C1036	Bottom	B3
C1037	Bottom	A5
C1038	Top	A4
C1039	Top	B5
C1040	Bottom	A5
C1041	Bottom	B5

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
C1042	Top	A6
C1048	Bottom	A5
C1049	Bottom	A3
C1054	Bottom	A5
C1055	Bottom	A3
C2000	Bottom	B10
C2001	Top	C7
C2002	Bottom	B10
C2003	Bottom	C10
C2004	Bottom	C10
C2005	Top	B9
C2006	Bottom	C8
C2007	Bottom	B8
C2008	Bottom	B8
C2009	Bottom	B8
C2010	Bottom	B8
C2011	Bottom	C9
C2012	Bottom	C7
C2013	Bottom	C7
C2014	Top	B8
C2015	Top	B8
C2016	Bottom	C10
C2017	Bottom	B10
C2018	Bottom	B7
C2019	Bottom	B3
C2025	Top	C2
C2026	Bottom	B7
C2027	Bottom	B7
C2028	Top	C2
C2029	Top	C9
C2030	Bottom	C3
C2031	Top	B2
C2032	Top	C9
C2033	Bottom	C8
C2034	Top	C3
C2035	Top	B4
C2036	Bottom	C3
C2037	Bottom	B5
C2038	Top	B4
C2039	Top	C5
C2040	Bottom	C5
C2041	Bottom	C5
C2042	Top	B6
C2048	Bottom	B5
C2049	Bottom	B3
C2054	Bottom	B5
C2055	Bottom	B3
C3000	Bottom	D10
C3001	Top	D7
C3002	Bottom	C10
C3003	Bottom	D10
C3004	Bottom	D10
C3005	Top	C9
C3006	Bottom	D8
C3007	Bottom	C8

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
C3008	Bottom	C8
C3009	Bottom	C8
C3010	Bottom	C8
C3011	Bottom	D9
C3012	Bottom	D7
C3013	Bottom	D7
C3014	Top	C8
C3015	Top	D8
C3016	Bottom	D10
C3017	Bottom	C10
C3018	Bottom	D7
C3019	Bottom	C3
C3025	Top	D2
C3026	Bottom	D7
C3027	Bottom	C7
C3028	Top	D2
C3029	Top	D9
C3030	Bottom	D3
C3031	Top	C2
C3032	Top	D9
C3033	Bottom	D8
C3034	Top	D3
C3035	Top	C4
C3036	Bottom	D3
C3037	Bottom	C5
C3038	Top	C4
C3039	Top	D5
C3040	Bottom	D5
C3041	Bottom	D5
C3042	Top	C6
C3048	Bottom	C5
C3049	Bottom	C3
C3054	Bottom	C5
C3055	Bottom	C3
C4000	Bottom	E10
C4001	Top	E7
C4002	Bottom	E10
C4003	Bottom	E10
C4004	Bottom	E10
C4005	Top	D9
C4006	Bottom	E8
C4007	Bottom	D8
C4008	Bottom	E8
C4009	Bottom	D8
C4010	Bottom	E8
C4011	Bottom	E9
C4012	Bottom	E7
C4013	Bottom	E7
C4014	Top	D8
C4015	Top	E8
C4016	Bottom	E10
C4017	Bottom	E10
C4018	Bottom	E7
C4019	Bottom	E3
C4025	Top	E2

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
C4026	Bottom	E7
C4027	Bottom	E7
C4028	Top	E2
C4029	Top	E9
C4030	Bottom	E3
C4031	Top	D2
C4032	Top	E9
C4033	Bottom	E8
C4034	Top	E3
C4035	Top	D4
C4036	Bottom	E3
C4037	Bottom	D5
C4038	Top	D4
C4039	Top	E5
C4040	Bottom	E5
C4041	Bottom	E5
C4042	Top	D6
C4048	Bottom	D5
C4049	Bottom	D3
C4054	Bottom	E5
C4055	Bottom	E3
C5000	Bottom	F10
C5001	Top	F7
C5002	Bottom	F10
C5003	Bottom	F10
C5004	Bottom	F10
C5005	Top	E9
C5006	Bottom	F8
C5007	Bottom	E8
C5008	Bottom	F8
C5009	Bottom	E8
C5010	Bottom	F8
C5011	Bottom	F9
C5012	Bottom	F7
C5013	Bottom	F7
C5014	Top	E8
C5015	Top	F8
C5016	Bottom	F10
C5017	Bottom	F10
C5018	Bottom	F7
C5019	Bottom	F3
C5025	Top	F2
C5026	Bottom	F7
C5027	Bottom	F7
C5028	Top	F2
C5029	Top	F9
C5030	Bottom	F3
C5031	Top	F2
C5032	Top	F9
C5033	Bottom	F8
C5034	Top	F3
C5035	Top	E4
C5036	Bottom	F3
C5037	Bottom	F5
C5038	Top	E4

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
C5039	Top	F5
C5040	Bottom	F5
C5041	Bottom	F5
C5042	Top	F6
C5048	Bottom	F5
C5049	Bottom	F3
C5054	Bottom	F5
C5055	Bottom	F3
C6000	Bottom	G10
C6001	Top	G7
C6002	Bottom	G10
C6003	Bottom	G10
C6004	Bottom	G10
C6005	Top	G9
C6006	Bottom	G8
C6007	Bottom	F8
C6008	Bottom	G8
C6009	Bottom	G8
C6010	Bottom	G8
C6011	Bottom	G9
C6012	Bottom	G7
C6013	Bottom	G7
C6014	Top	G8
C6015	Top	G8
C6016	Bottom	G10
C6017	Bottom	G10
C6018	Bottom	G7
C6019	Bottom	G3
C6025	Top	G2
C6026	Bottom	G7
C6027	Bottom	G7
C6028	Top	G2
C6029	Top	G9
C6030	Bottom	G3
C6031	Top	G2
C6032	Top	G9
C6033	Bottom	G8
C6034	Top	G3
C6035	Top	G4
C6036	Bottom	G3
C6037	Bottom	G5
C6038	Top	G4
C6039	Top	G5
C6040	Bottom	G5
C6041	Bottom	G5
C6042	Top	G6
C6048	Bottom	G5
C6049	Bottom	G3
C6054	Bottom	G5
C6055	Bottom	G3
C7000	Bottom	H10
C7001	Top	H7
C7002	Bottom	H10
C7003	Bottom	H10
C7004	Bottom	H10

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
C7005	Top	H9
C7006	Bottom	H8
C7007	Bottom	G8
C7008	Bottom	H8
C7009	Bottom	H8
C7010	Bottom	H8
C7011	Bottom	H9
C7012	Bottom	H7
C7013	Bottom	H7
C7014	Top	H8
C7015	Top	H8
C7016	Bottom	H10
C7017	Bottom	H10
C7018	Bottom	H7
C7019	Bottom	H3
C7025	Top	H2
C7026	Bottom	H7
C7027	Bottom	H7
C7028	Top	H2
C7029	Top	H9
C7030	Bottom	H3
C7031	Top	H2
C7032	Top	H9
C7033	Bottom	H8
C7034	Top	H3
C7035	Top	H4
C7036	Bottom	H3
C7037	Bottom	H5
C7038	Top	H4
C7039	Top	H5
C7040	Bottom	H5
C7041	Bottom	H5
C7042	Top	H6
C7048	Bottom	H5
C7049	Bottom	H3
C7054	Bottom	H5
C7055	Bottom	H3
C8000	Bottom	I10
C8001	Top	I7
C8002	Bottom	I10
C8003	Bottom	I10
C8004	Bottom	I10
C8005	Top	I9
C8006	Bottom	I8
C8007	Bottom	I8
C8008	Bottom	I8
C8009	Bottom	I8
C8010	Bottom	I8
C8011	Bottom	I9
C8012	Bottom	I7
C8013	Bottom	I7
C8014	Top	I8
C8015	Top	I8
C8016	Bottom	I10
C8017	Bottom	I10

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
C8018	Bottom	I7
C8019	Bottom	I3
C8025	Top	I2
C8026	Bottom	I7
C8027	Bottom	I7
C8028	Top	I2
C8029	Top	I9
C8030	Bottom	I3
C8031	Top	I2
C8032	Top	I9
C8033	Bottom	I8
C8034	Top	I3
C8035	Top	I4
C8036	Bottom	I3
C8037	Bottom	I5
C8038	Top	I4
C8039	Top	I5
C8040	Bottom	I5
C8041	Bottom	J5
C8042	Top	I6
C8048	Bottom	I5
C8049	Bottom	I3
C8054	Bottom	I5
C8055	Bottom	I3
CON1	Top	B1
CON2	Top	D1
CON3	Top	F1
CON4	Top	H1
D1002	Bottom	A9
D1003	Bottom	A9
D2002	Bottom	B9
D2003	Bottom	B9
D3002	Bottom	C9
D3003	Bottom	C9
D4002	Bottom	D9
D4003	Bottom	D9
D5002	Bottom	F9
D5003	Bottom	F9
D6002	Bottom	G9
D6003	Bottom	G9
D7002	Bottom	H9
D7003	Bottom	H9
D8002	Bottom	I9
D8003	Bottom	I9
EMC1	Top	A11
EMC2	Top	C11
EMC4	Top	G11
EMC5	Top	J11
EMC10	Top	C1
EMC11	Top	E1
EMC12	Top	G1
EMC16	Top	A6
EMC17	Top	J6
FID1	Bottom	A10
FID2	Bottom	A1

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
FID3	Bottom	J1
J1000	Top	B11
J3000	Top	D11
J5000	Top	F11
J7000	Top	H11
LK1000	Top	B11
LK1001	Top	B11
LK1002	Top	C11
LK1003	Top	C11
LK3000	Top	D11
LK3001	Top	D11
LK3002	Top	E11
LK3003	Top	E11
LK5000	Top	F11
LK5001	Top	F11
LK5002	Top	G11
LK5003	Top	G11
LK7000	Top	H11
LK7001	Top	H11
LK7002	Top	I11
LK7003	Top	I11
POT1000	Top	A9
POT1001	Top	B7
POT1002	Top	A5
POT1003	Top	A4
POT1004	Top	A4
POT1005	Top	A3
POT1006	Top	A2
POT1007	Top	B2
POT1008	Top	B6
POT1009	Top	A6
POT2000	Top	B9
POT2001	Top	C7
POT2002	Top	B5
POT2003	Top	C4
POT2004	Top	C4
POT2005	Top	B3
POT2006	Top	B2
POT2007	Top	C2
POT2008	Top	C6
POT2009	Top	B6
POT3000	Top	C9
POT3001	Top	D7
POT3002	Top	C5
POT3003	Top	D4
POT3004	Top	D4
POT3005	Top	C3
POT3006	Top	C2
POT3007	Top	D2
POT3008	Top	D6
POT3009	Top	C6
POT4000	Top	E9
POT4001	Top	E7
POT4002	Top	E5
POT4003	Top	E4

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
POT4004	Top	E4
POT4005	Top	E3
POT4006	Top	E2
POT4007	Top	E2
POT4008	Top	E6
POT4009	Top	E6
POT5000	Top	F9
POT5001	Top	F7
POT5002	Top	F5
POT5003	Top	F4
POT5004	Top	F4
POT5005	Top	F3
POT5006	Top	F2
POT5007	Top	F2
POT5008	Top	F6
POT5009	Top	F6
POT6000	Top	G9
POT6001	Top	G7
POT6002	Top	G5
POT6003	Top	G4
POT6004	Top	G4
POT6005	Top	G3
POT6006	Top	G2
POT6007	Top	G2
POT6008	Top	G6
POT6009	Top	G6
POT7000	Top	H9
POT7001	Top	H7
POT7002	Top	H5
POT7003	Top	H4
POT7004	Top	H4
POT7005	Top	H3
POT7006	Top	H2
POT7007	Top	H2
POT7008	Top	H6
POT7009	Top	H6
POT8000	Top	I9
POT8001	Top	I7
POT8002	Top	I5
POT8003	Top	I4
POT8004	Top	I4
POT8005	Top	I3
POT8006	Top	I2
POT8007	Top	I2
POT8008	Top	I6
POT8009	Top	I6
Q1000	Top	B10
Q1001	Top	B10
Q1002	Bottom	A10
Q1003	Bottom	A10
Q2000	Top	C10
Q2001	Top	C10
Q2002	Bottom	B10
Q2003	Bottom	C10
Q3000	Top	D10

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
Q3001	Top	D10
Q3002	Bottom	C10
Q3003	Bottom	D10
Q4000	Top	E10
Q4001	Top	E10
Q4002	Bottom	D10
Q4003	Bottom	E10
Q5000	Top	F10
Q5001	Top	F10
Q5002	Bottom	F10
Q5003	Bottom	F10
Q6000	Top	G10
Q6001	Top	G10
Q6002	Bottom	G10
Q6003	Bottom	G10
Q7000	Top	H10
Q7001	Top	H10
Q7002	Bottom	H10
Q7003	Bottom	H10
Q8000	Top	I10
Q8001	Top	I10
Q8002	Bottom	I10
Q8003	Bottom	I10
R1000	Bottom	B7
R1001	Top	A10
R1002	Top	A10
R1003	Bottom	A9
R1004	Bottom	A9
R1005	Top	A10
R1006	Top	A10
R1007	Top	B10
R1008	Top	A10
R1009	Bottom	A9
R1010	Bottom	A9
R1011	Bottom	B9
R1012	Top	B10
R1013	Top	B10
R1014	Bottom	A8
R1015	Bottom	B8
R1016	Bottom	A8
R1017	Bottom	A8
R1018	Bottom	B7
R1019	Bottom	A4
R1020	Bottom	A7
R1021	Bottom	A5
R1022	Bottom	B7
R1023	Bottom	A7
R1024	Bottom	A9
R1025	Bottom	A9
R1026	Bottom	A7
R1027	Bottom	A8
R1028	Bottom	A8
R1029	Bottom	A1
R1030	Bottom	B2
R1031	Bottom	B1

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R1032	Bottom	A3
R1033	Bottom	A9
R1034	Bottom	B9
R1035	Bottom	B9
R1036	Bottom	B9
R1037	Bottom	A9
R1038	Bottom	B8
R1039	Bottom	A8
R1040	Bottom	A9
R1041	Bottom	A9
R1043	Bottom	B1
R1044	Bottom	B2
R1045	Bottom	B1
R1047	Bottom	B1
R1048	Bottom	A2
R1049	Bottom	B2
R1050	Bottom	B2
R1051	Bottom	B3
R1052	Bottom	A3
R1053	Bottom	A4
R1054	Bottom	A4
R1055	Bottom	A4
R1056	Bottom	A3
R1057	Bottom	B3
R1058	Bottom	A5
R1059	Bottom	A5
R1060	Bottom	A4
R1061	Bottom	A5
R1062	Bottom	A4
R1063	Bottom	A6
R1064	Bottom	B6
R1065	Bottom	B6
R1066	Bottom	B5
R1067	Bottom	B6
R1068	Bottom	B5
R1069	Bottom	A5
R1100	Bottom	A8
R1112	Top	A10
R1113	Top	A10
R1114	Bottom	A9
R2000	Bottom	C7
R2001	Top	B10
R2002	Top	B10
R2003	Bottom	B9
R2004	Bottom	B9
R2005	Top	C10
R2006	Top	B10
R2007	Top	C10
R2008	Top	B10
R2009	Bottom	B9
R2010	Bottom	B9
R2011	Bottom	C9
R2012	Top	C10
R2013	Top	C10
R2014	Bottom	B8

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R2015	Bottom	C8
R2016	Bottom	B8
R2017	Bottom	B8
R2018	Bottom	C7
R2019	Bottom	C4
R2020	Bottom	C7
R2021	Bottom	C5
R2022	Bottom	C7
R2023	Bottom	C7
R2024	Bottom	B9
R2025	Bottom	B9
R2026	Bottom	B7
R2027	Bottom	B8
R2028	Bottom	B8
R2029	Bottom	B1
R2030	Bottom	C2
R2031	Bottom	C1
R2032	Bottom	B3
R2033	Bottom	B9
R2034	Bottom	C9
R2035	Bottom	C9
R2036	Bottom	C9
R2037	Bottom	B9
R2038	Bottom	C8
R2039	Bottom	C8
R2040	Bottom	C9
R2041	Bottom	B9
R2043	Bottom	C1
R2044	Bottom	C2
R2045	Bottom	C1
R2047	Bottom	C1
R2048	Bottom	B2
R2049	Bottom	C2
R2050	Bottom	C2
R2051	Bottom	C3
R2052	Bottom	C3
R2053	Bottom	B4
R2054	Bottom	B4
R2055	Bottom	C4
R2056	Bottom	B3
R2057	Bottom	C3
R2058	Bottom	C5
R2059	Bottom	B5
R2060	Bottom	C4
R2061	Bottom	B5
R2062	Bottom	B4
R2063	Bottom	C6
R2064	Bottom	C6
R2065	Bottom	C6
R2066	Bottom	C5
R2067	Bottom	C6
R2068	Bottom	C5
R2069	Bottom	B5
R2100	Bottom	B8
R2112	Top	B10

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R2113	Top	B10
R2114	Bottom	B9
R3000	Bottom	D7
R3001	Top	C10
R3002	Top	D10
R3003	Bottom	C9
R3004	Bottom	C9
R3005	Top	D10
R3006	Top	C10
R3007	Top	D10
R3008	Top	D10
R3009	Bottom	C9
R3010	Bottom	C9
R3011	Bottom	D9
R3012	Top	D10
R3013	Top	D10
R3014	Bottom	C8
R3015	Bottom	D8
R3016	Bottom	C8
R3017	Bottom	C8
R3018	Bottom	D7
R3019	Bottom	D4
R3020	Bottom	D7
R3021	Bottom	D5
R3022	Bottom	D7
R3023	Bottom	D7
R3024	Bottom	C9
R3025	Bottom	D9
R3026	Bottom	C7
R3027	Bottom	C8
R3028	Bottom	C8
R3029	Bottom	C1
R3030	Bottom	D2
R3031	Bottom	D1
R3032	Bottom	D3
R3033	Bottom	D9
R3034	Bottom	D9
R3035	Bottom	D9
R3036	Bottom	D9
R3037	Bottom	D9
R3038	Bottom	D8
R3039	Bottom	D8
R3040	Bottom	D9
R3041	Bottom	D9
R3043	Bottom	D1
R3044	Bottom	D2
R3045	Bottom	D1
R3047	Bottom	D1
R3048	Bottom	D2
R3049	Bottom	D2
R3050	Bottom	D2
R3051	Bottom	D3
R3052	Bottom	D3
R3053	Bottom	C4
R3054	Bottom	C4

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R3055	Bottom	D4
R3056	Bottom	C3
R3057	Bottom	D3
R3058	Bottom	D5
R3059	Bottom	C5
R3060	Bottom	D4
R3061	Bottom	C5
R3062	Bottom	C4
R3063	Bottom	D6
R3064	Bottom	D6
R3065	Bottom	D6
R3066	Bottom	D5
R3067	Bottom	D6
R3068	Bottom	D5
R3069	Bottom	D5
R3100	Bottom	C8
R3112	Top	C10
R3113	Top	C10
R3114	Bottom	C9
R4000	Bottom	E7
R4001	Top	D10
R4002	Top	E10
R4003	Bottom	D9
R4004	Bottom	D9
R4005	Top	E10
R4006	Top	E10
R4007	Top	E10
R4008	Top	E10
R4009	Bottom	D9
R4010	Bottom	E9
R4011	Bottom	E9
R4012	Top	E10
R4013	Top	E10
R4014	Bottom	E8
R4015	Bottom	E8
R4016	Bottom	D8
R4017	Bottom	D8
R4018	Bottom	E7
R4019	Bottom	E4
R4020	Bottom	E7
R4021	Bottom	E5
R4022	Bottom	E7
R4023	Bottom	E7
R4024	Bottom	E9
R4025	Bottom	E9
R4026	Bottom	E7
R4027	Bottom	D8
R4028	Bottom	D8
R4029	Bottom	D1
R4030	Bottom	E2
R4031	Bottom	E1
R4032	Bottom	E3
R4033	Bottom	E9
R4034	Bottom	E9
R4035	Bottom	E9

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R4036	Bottom	E9
R4037	Bottom	E9
R4038	Bottom	E8
R4039	Bottom	E8
R4040	Bottom	E9
R4041	Bottom	E9
R4043	Bottom	E1
R4044	Bottom	E2
R4045	Bottom	E1
R4047	Bottom	E1
R4048	Bottom	E2
R4049	Bottom	E2
R4050	Bottom	E2
R4051	Bottom	E3
R4052	Bottom	E3
R4053	Bottom	E4
R4054	Bottom	E4
R4055	Bottom	E4
R4056	Bottom	D3
R4057	Bottom	E3
R4058	Bottom	E5
R4059	Bottom	D5
R4060	Bottom	E4
R4061	Bottom	E5
R4062	Bottom	E4
R4063	Bottom	E6
R4064	Bottom	E6
R4065	Bottom	E6
R4066	Bottom	E5
R4067	Bottom	E6
R4068	Bottom	E5
R4069	Bottom	E5
R4100	Bottom	D8
R4112	Top	D10
R4113	Top	D10
R4114	Bottom	D9
R5000	Bottom	F7
R5001	Top	E10
R5002	Top	F10
R5003	Bottom	E9
R5004	Bottom	E9
R5005	Top	F10
R5006	Top	F10
R5007	Top	F10
R5008	Top	F10
R5009	Bottom	F9
R5010	Bottom	F9
R5011	Bottom	F9
R5012	Top	F10
R5013	Top	F10
R5014	Bottom	F8
R5015	Bottom	F8
R5016	Bottom	E8
R5017	Bottom	E8
R5018	Bottom	F7

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R5019	Bottom	F4
R5020	Bottom	F7
R5021	Bottom	F5
R5022	Bottom	F7
R5023	Bottom	F7
R5024	Bottom	F9
R5025	Bottom	F9
R5026	Bottom	F7
R5027	Bottom	E8
R5028	Bottom	E8
R5029	Bottom	E1
R5030	Bottom	F2
R5031	Bottom	F1
R5032	Bottom	F3
R5033	Bottom	F9
R5034	Bottom	F9
R5035	Bottom	F9
R5036	Bottom	F9
R5037	Bottom	F9
R5038	Bottom	F8
R5039	Bottom	F8
R5040	Bottom	F9
R5041	Bottom	F9
R5043	Bottom	F1
R5044	Bottom	F2
R5045	Bottom	F1
R5047	Bottom	F1
R5048	Bottom	F2
R5049	Bottom	F2
R5050	Bottom	F2
R5051	Bottom	F3
R5052	Bottom	F3
R5053	Bottom	F4
R5054	Bottom	F4
R5055	Bottom	F4
R5056	Bottom	F3
R5057	Bottom	F3
R5058	Bottom	F5
R5059	Bottom	F5
R5060	Bottom	F4
R5061	Bottom	F5
R5062	Bottom	F4
R5063	Bottom	F6
R5064	Bottom	F6
R5065	Bottom	F6
R5066	Bottom	F5
R5067	Bottom	F6
R5068	Bottom	F5
R5069	Bottom	F5
R5100	Bottom	E8
R5112	Top	E10
R5113	Top	E10
R5114	Bottom	E9
R6000	Bottom	G7
R6001	Top	G10

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R6002	Top	G10
R6003	Bottom	F9
R6004	Bottom	F9
R6005	Top	G10
R6006	Top	G10
R6007	Top	G10
R6008	Top	G10
R6009	Bottom	G9
R6010	Bottom	G9
R6011	Bottom	G9
R6012	Top	G10
R6013	Top	G10
R6014	Bottom	G8
R6015	Bottom	G8
R6016	Bottom	F8
R6017	Bottom	G8
R6018	Bottom	G7
R6019	Bottom	G4
R6020	Bottom	G7
R6021	Bottom	G5
R6022	Bottom	G7
R6023	Bottom	G7
R6024	Bottom	G9
R6025	Bottom	G9
R6026	Bottom	G7
R6027	Bottom	F8
R6028	Bottom	F8
R6029	Bottom	G1
R6030	Bottom	G2
R6031	Bottom	G1
R6032	Bottom	G3
R6033	Bottom	G9
R6034	Bottom	G9
R6035	Bottom	G9
R6036	Bottom	G9
R6037	Bottom	G9
R6038	Bottom	G8
R6039	Bottom	G8
R6040	Bottom	G9
R6041	Bottom	G9
R6043	Bottom	G1
R6044	Bottom	G2
R6045	Bottom	G1
R6047	Bottom	G1
R6048	Bottom	G2
R6049	Bottom	G2
R6050	Bottom	G2
R6051	Bottom	G3
R6052	Bottom	G3
R6053	Bottom	G4
R6054	Bottom	G4
R6055	Bottom	G4
R6056	Bottom	G3
R6057	Bottom	G3
R6058	Bottom	G5

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R6059	Bottom	G5
R6060	Bottom	G4
R6061	Bottom	G5
R6062	Bottom	G4
R6063	Bottom	G6
R6064	Bottom	G6
R6065	Bottom	G6
R6066	Bottom	G5
R6067	Bottom	G6
R6068	Bottom	G5
R6069	Bottom	G5
R6100	Bottom	F8
R6112	Top	F10
R6113	Top	F10
R6114	Bottom	F9
R7000	Bottom	H7
R7001	Top	H10
R7002	Top	H10
R7003	Bottom	H9
R7004	Bottom	H9
R7005	Top	H10
R7006	Top	H10
R7007	Top	H10
R7008	Top	H10
R7009	Bottom	H9
R7010	Bottom	H9
R7011	Bottom	H9
R7012	Top	H10
R7013	Top	H10
R7014	Bottom	H8
R7015	Bottom	H8
R7016	Bottom	G8
R7017	Bottom	H8
R7018	Bottom	H7
R7019	Bottom	H4
R7020	Bottom	H7
R7021	Bottom	H5
R7022	Bottom	H7
R7023	Bottom	H7
R7024	Bottom	H9
R7025	Bottom	H9
R7026	Bottom	H7
R7027	Bottom	H8
R7028	Bottom	H8
R7029	Bottom	H1
R7030	Bottom	H2
R7031	Bottom	H1
R7032	Bottom	H3
R7033	Bottom	H9
R7034	Bottom	H9
R7035	Bottom	H9
R7036	Bottom	H9
R7037	Bottom	H9
R7038	Bottom	H8
R7039	Bottom	H8

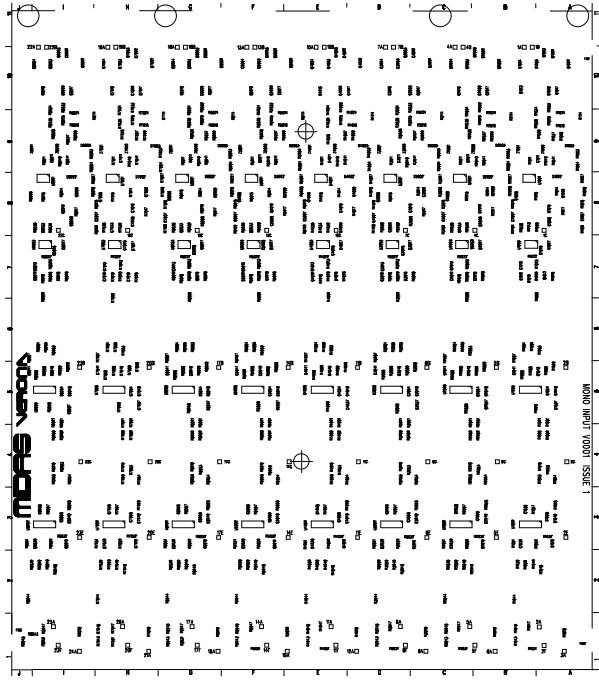
Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R7040	Bottom	H9
R7041	Bottom	H9
R7043	Bottom	H1
R7044	Bottom	H2
R7045	Bottom	H1
R7047	Bottom	H1
R7048	Bottom	H2
R7049	Bottom	H2
R7050	Bottom	H2
R7051	Bottom	H3
R7052	Bottom	H3
R7053	Bottom	H4
R7054	Bottom	H4
R7055	Bottom	H4
R7056	Bottom	H3
R7057	Bottom	H3
R7058	Bottom	H5
R7059	Bottom	H5
R7060	Bottom	H4
R7061	Bottom	H5
R7062	Bottom	H4
R7063	Bottom	H6
R7064	Bottom	H6
R7065	Bottom	H6
R7066	Bottom	H5
R7067	Bottom	H6
R7068	Bottom	H5
R7069	Bottom	H5
R7100	Bottom	G8
R7112	Top	G10
R7113	Top	H10
R7114	Bottom	G9
R8000	Bottom	I7
R8001	Top	I10
R8002	Top	I10
R8003	Bottom	I9
R8004	Bottom	I9
R8005	Top	I10
R8006	Top	I10
R8007	Top	I10
R8008	Top	I10
R8009	Bottom	I9
R8010	Bottom	I9
R8011	Bottom	I9
R8012	Top	I10
R8013	Top	I10
R8014	Bottom	I8
R8015	Bottom	I8
R8016	Bottom	I8
R8017	Bottom	I8
R8018	Bottom	I7
R8019	Bottom	I4
R8020	Bottom	I7
R8021	Bottom	I5
R8022	Bottom	I7

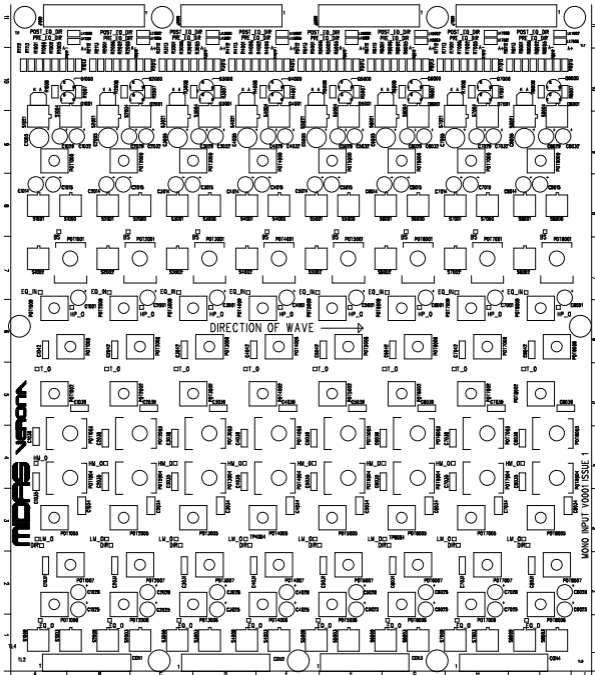
Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R8023	Bottom	I7
R8024	Bottom	I9
R8025	Bottom	I9
R8026	Bottom	I7
R8027	Bottom	I8
R8028	Bottom	I8
R8029	Bottom	I1
R8030	Bottom	I2
R8031	Bottom	I1
R8032	Bottom	I3
R8033	Bottom	I9
R8034	Bottom	I9
R8035	Bottom	I9
R8036	Bottom	I9
R8037	Bottom	I9
R8038	Bottom	I8
R8039	Bottom	I8
R8040	Bottom	I9
R8041	Bottom	I9
R8043	Bottom	J1
R8044	Bottom	J2
R8045	Bottom	J1
R8047	Bottom	I1
R8048	Bottom	I2
R8049	Bottom	I2
R8050	Bottom	I2
R8051	Bottom	J3
R8052	Bottom	I3
R8053	Bottom	I4
R8054	Bottom	I4
R8055	Bottom	I4
R8056	Bottom	I3
R8057	Bottom	I3
R8058	Bottom	I5
R8059	Bottom	I5
R8060	Bottom	I4
R8061	Bottom	I5
R8062	Bottom	I4
R8063	Bottom	I6
R8064	Bottom	I6
R8065	Bottom	I6
R8066	Bottom	I5
R8067	Bottom	J6
R8068	Bottom	I5
R8069	Bottom	I5
R8100	Bottom	I8
R8112	Top	I10
R8113	Top	I10
R8114	Bottom	I9
S1000	Top	B8
S1001	Top	A8
S1002	Top	A7
S1003	Top	B1
S1004	Top	B9
S1009	Top	A1

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
S1021	Top	A10
S2000	Top	C8
S2001	Top	B8
S2002	Top	B7
S2003	Top	C1
S2004	Top	C9
S2009	Top	B1
S2021	Top	B10
S3000	Top	D8
S3001	Top	C8
S3002	Top	C7
S3003	Top	D1
S3004	Top	D9
S3009	Top	C1
S3021	Top	C10
S4000	Top	E8
S4001	Top	D8
S4002	Top	D7
S4003	Top	E1
S4004	Top	E9
S4009	Top	D1
S4021	Top	D10
S5000	Top	F8
S5001	Top	E8
S5002	Top	E7
S5003	Top	F1
S5004	Top	F9
S5009	Top	E1
S5021	Top	E10
S6000	Top	G8
S6001	Top	G8
S6002	Top	G7
S6003	Top	G1
S6004	Top	G9
S6009	Top	G1
S6021	Top	G10
S7000	Top	H8
S7001	Top	H8
S7002	Top	H7
S7003	Top	H1
S7004	Top	H9
S7009	Top	H1
S7021	Top	H10
S8000	Top	I8
S8001	Top	I8
S8002	Top	I7
S8003	Top	I1
S8004	Top	I9
S8009	Top	I1
S8021	Top	I10
TL1	Top	A11
TL2	Top	A1
TL3	Top	J1
TL4	Top	A1
TL7	Top	J11

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
TP1003	Top	B6
TP1004	Top	A7
TP1008	Top	A1
TP1009	Top	A3
TP2000	Top	C6
TP2001	Top	B7
TP2002	Top	B1
TP2005	Top	B3
TP3001	Top	D6
TP3002	Top	C7
TP3003	Top	C1
TP3004	Top	C3
TP4001	Top	E6
TP4002	Top	D7
TP4003	Top	D1
TP4004	Top	D3
TP5001	Top	F6
TP5002	Top	F7
TP5003	Top	F1
TP5004	Top	F3
TP6001	Top	G6
TP6002	Top	G7
TP6003	Top	G1
TP6004	Top	G3
TP7001	Top	H6
TP7002	Top	H7
TP7003	Top	H1
TP7004	Top	H3
TP8001	Top	I6
TP8002	Top	I7
TP8003	Top	I1
TP8004	Top	I3
U1001	Bottom	B8
U1002	Bottom	B3
U1003	Bottom	B7
U1005	Bottom	B5
U2001	Bottom	C8
U2002	Bottom	C3
U2003	Bottom	C7
U2005	Bottom	C5
U3001	Bottom	D8
U3002	Bottom	D3
U3003	Bottom	D7
U3005	Bottom	D5
U4001	Bottom	E8
U4002	Bottom	E3
U4003	Bottom	E7
U4005	Bottom	E5
U5001	Bottom	F8
U5002	Bottom	F3
U5003	Bottom	F7
U5005	Bottom	F5
U6001	Bottom	G8
U6002	Bottom	G3
U6003	Bottom	G7

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
U6005	Bottom	G5
U7001	Bottom	H8
U7002	Bottom	H3
U7003	Bottom	H7
U7005	Bottom	H5
U8001	Bottom	I8
U8002	Bottom	I3
U8003	Bottom	I7
U8005	Bottom	I5
Z1000	Bottom	B9
Z1001	Bottom	B9
Z2000	Bottom	C9
Z2001	Bottom	C9
Z3000	Bottom	D9
Z3001	Bottom	D9
Z4000	Bottom	E9
Z4001	Bottom	E9
Z5000	Bottom	F9
Z5001	Bottom	F9
Z6000	Bottom	G9
Z6001	Bottom	G9
Z7000	Bottom	H9
Z7001	Bottom	H9
Z8000	Bottom	I9
Z8001	Bottom	I9







Part Identifier	Description	Quantity	Reference Text
Verona Mono Input Upper pcb Assembly			
ACBLX-1832-2	26W LUMBERG RIB CBLE 60MM	4	CON1,CON2,CON3,CON4
CAP06-GK510050	100N 0805 SMD CERMIC 10%	72	C1009,C1010,C1012,C1026,C1027,C1048,C1049,C1054,C1055, C2009,C2010,C2012,C2026,C2027,C2048,C2049,C2054,C2055, C3009,C3010,C3012,C3026,C3027,C3048,C3049,C3054,C3055, C4009,C4010,C4012,C4026,C4027,C4048,C4049,C4054,C4055, C5009,C5010,C5012,C5026,C5027,C5048,C5049,C5054,C5055, C6009,C6010,C6012,C6026,C6027,C6048,C6049,C6054,C6055, C7009,C7010,C7012,C7026,C7027,C7048,C7049,C7054,C7055, C8009,C8010,C8012,C8026,C8027,C8048,C8049,C8054,C8055
CAP06-SJ122050	22PF SMD 0805 CERAMIC 5%	48	C1019,C1030,C1036,C1037,C1040,C1041, C2019,C2030,C2036,C2037,C2040,C2041, C3019,C3030,C3036,C3037,C3040,C3041, C4019,C4030,C4036,C4037,C4040,C4041, C5019,C5030,C5036,C5037,C5040,C5041, C6019,C6030,C6036,C6037,C6040,C6041, C7019,C7030,C7036,C7037,C7040,C7041, C8019,C8030,C8036,C8037,C8040,C8041
CAP06-SJ147100	47P 0805 SMD CERAMIC 5%	16	C1006,C1013,C2006,C2013,C3006,C3013, C4006,C4013,C5006,C5013,C6006,C6013, C7006,C7013,C8006,C8013
CAP06-SJ210100	100P 0805 SMD CERAMIC 5%	32	C1003,C1004,C1016,C1017,C2003,C2004,C2016,C2017, C3003,C3004,C3016,C3017,C4003,C4004,C4016,C4017, C5003,C5004,C5016,C5017,C6003,C6004,C6016,C6017, C7003,C7004,C7016,C7017,C8003,C8004,C8016,C8017
CAP06-SJ233100	330PF 0805 SMD CERAM. 5%	24	C1002,C1011,C1018,C2002,C2011,C2018, C3002,C3011,C3018,C4002,C4011,C4018, C5002,C5011,C5018,C6002,C6011,C6018, C7002,C7011,C7018,C8002,C8011,C8018
CAP06-SJ247050	470PF 50V 0805 SMD CAP	8	C1000,C2000,C3000,C4000,C5000, C6000,C7000,C8000
CAP06-SJ610016	1UF/16V+80%-20% 0805 CMC	24	C1007,C1008,C1033,C2007,C2008,C2033, C3007,C3008,C3033,C4007,C4008,C4033, C5007,C5008,C5033,C6007,C6008,C6033, C7007,C7008,C7033,C8007,C8008,C8033
CAP12-J110100	1NF POLYSTER CAP 0.2"	8	C1038,C2038,C3038,C4038,C5038,

Part Identifier	Description	Quantity	Reference Text
CAP12-J110100	1NF POLYESTER CAP 0.2"	8	C6038,C7038,C8038
CAP12-J147100	4N7 POLYESTER CAP	8	C1035,C2035,C3035,C4035,C5035, C6035,C7035,C8035
CAP12-J156100	5N6 POLYESTER CAP	8	C1042,C2042,C3042,C4042,C5042, C6042,C7042,C8042
CAP12-J215100	15N POLYESTER CAP 0.2"	8	C1031,C2031,C3031,C4031,C5031, C6031,C7031,C8031
CAP12-J222100	22N POLYESTER CAP 0.2"	8	C1039,C2039,C3039,C4039,C5039, C6039,C7039,C8039
CAP12-J310100	100N POLYESTER CAP 0.2"	8	C1034,C2034,C3034,C4034,C5034, C6034,C7034,C8034
CAP63-310025B	100UF 25V LP RAD 2.5MM	56	C1001,C1014,C1015,C1025,C1028,C1029,C1032, C2001,C2014,C2015,C2025,C2028,C2029,C2032, C3001,C3014,C3015,C3025,C3028,C3029,C3032, C4001,C4014,C4015,C4025,C4028,C4029,C4032, C5001,C5014,C5015,C5025,C5028,C5029,C5032, C6001,C6014,C6015,C6025,C6028,C6029,C6032, C7001,C7014,C7015,C7025,C7028,C7029,C7032, C8001,C8014,C8015,C8025,C8028,C8029,C8032
CAP65-4100063A	1000UF 6.3V RAD. 3.5MM	8	C1005,C2005,C3005,C4005,C5005, C6005,C7005,C8005
CON01-02SMV	2WAY MALE VERT STRIP HDR	16	LK1000,LK1001,LK1002,LK1003, LK3000,LK3001,LK3002,LK3003, LK5000,LK5001,LK5002,LK5003, LK7000,LK7001,LK7002,LK7003
CON11-26MP	26WY VERT ML BOX HDR LP	4	J1000,J3000,J5000,J7000
CON59-LINKTHRO	PROG LINK	8	LK1000,LK1002,LK3000,LK3002, LK5000,LK5002,LK7000,LK7002,
PCX-V0001-1	MONO INPUT PCB	1	
POT12-615C01V1	100KCX2 INV LOG VERTICAL	24	POT1001,POT1003,POT1004,POT2001,POT2003,POT2004, POT3001,POT3003,POT3004,POT4001,POT4003,POT4004, POT5001,POT5003,POT5004,POT6001,POT6003,POT6004, POT7001,POT7003,POT7004,POT8001,POT8003,POT8004
POT91-614BDV2	10K 6MM D VERT DETENT	32	POT1002,POT1005,POT1006,POT1009, POT2002,POT2005,POT2006,POT2009, POT3002,POT3005,POT3006,POT3009, POT4002,POT4005,POT4006,POT4009, POT5002,POT5005,POT5006,POT5009, POT6002,POT6005,POT6006,POT6009, POT7002,POT7005,POT7006,POT7009, POT8002,POT8005,POT8006,POT8009

Part Identifier	Description	Quantity	Reference Text
POT91-615C06V1	100K 6MM D VERTICAL POT	16	POT1007,POT1008,POT2007,POT2008, POT3007,POT3008,POT4007,POT4008, POT5007,POT5008,POT6007,POT6008, POT7007,POT7008,POT8007,POT8008
POT91-653D09V	5K 6MM D VERTICAL POT	8	POT1000,POT2000,POT3000,POT4000, POT5000,POT6000,POT7000,POT8000
RES04-3E2R20	2K2 RES.M.FILM 1% 0.4W	16	R1001,R1002,R2001,R2002,R3001,R3002, R4001,R4002,R5001,R5002,R6001,R6002, R7001,R7002,R8001,R8002
RES04-3E3R30	3K3 RES.M.FILM 1% 0.4W	16	R1007,R1008,R2007,R2008,R3007,R3008, R4007,R4008,R5007,R5008,R6007,R6008, R7007,R7008,R8007,R8008
RES04-3E4R70	4K7 RES.M.FILM 1% 0.4W	16	R1005,R1006,R2005,R2006,R3005,R3006, R4005,R4006,R5005,R5006,R6005,R6006, R7005,R7006,R8005,R8006
RES04-3E6R80	6K8 RES.M.FILM 1% 0.4W	16	R1112,R1113,R2112,R2113,R3112,R3113, R4112,R4113,R5112,R5113,R6112,R6113, R7112,R7113,R8112,R8113
RES04-4E1R00	10K RES.M.FILM 1% 0.4W	16	R1012,R1013,R2012,R2013,R3012,R3013, R4012,R4013,R5012,R5013,R6012,R6013, R7012,R7013,R8012,R8013
RES54-1E1R00	10R 0805 SMD 1%	24	R1004,R1027,R1028,R2004,R2027,R2028, R3004,R3027,R3028,R4004,R4027,R4028, R5004,R5027,R5028,R6004,R6027,R6028, R7004,R7027,R7028,R8004,R8027,R8028
RES54-2E1R50	150R 0805 SMD 1%	8	R1011,R2011,R3011,R4011,R5011, R6011,R7011,R8011
RES54-2E4R70	470R 0805 SMD 1%	16	R1009,R1010,R2009,R2010,R3009,R3010, R4009,R4010,R5009,R5010,R6009,R6010, R7009,R7010,R8009,R8010
RES54-2E5R10	510R 0805 SMD 1%	8	R1035,R2035,R3035,R4035,R5035,R6035, R7035,R8035
RES54-2E7R50	750R 0805 SMD 1%	8	R1039,R2039,R3039,R4039,R5039, R6039,R7039,R8039
RES54-3E1R00	1K 0805 SMD 1%	40	R1033,R1034,R1043,R1045,R1065,R2033,R2034,R2043,R2045,R2065, R3033,R3034,R3043,R3045,R3065,R4033,R4034,R4043,R4045,R4065, R5033,R5034,R5043,R5045,R5065,R6033,R6034,R6043,R6045,R6065, R7033,R7034,R7043,R7045,R7065,R8033,R8034,R8043,R8045,R8065
RES54-3E1R20	1K2 0805 SMD 1%	16	R1036,R1037,R2036,R2037,R3036,R3037, R4036,R4037,R5036,R5037,R6036,R6037, R7036,R7037,R8036,R8037

Part Identifier	Description	Quantity	Reference Text
RES54-3E1R30	1K3 0805 SMD 1%	8	R1064,R2064,R3064,R4064,R5064,R6064, R7064,R8064
RES54-3E2R00	2K 0805 SMD 1%	16	R1022,R1049,R2022,R2049,R3022,R3049, R4022,R4049,R5022,R5049,R6022,R6049, R7022,R7049,R8022,R8049
RES54-3E2R70	2K7 0805 SMD 1%	16	R1023,R1050,R2023,R2050,R3023,R3050, R4023,R4050,R5023,R5050,R6023,R6050, R7023,R7050,R8023,R8050
RES54-3E3R00	3K 0805 SMD 1%	16	R1055,R1060,R2055,R2060,R3055,R3060, R4055,R4060,R5055,R5060,R6055,R6060, R7055,R7060,R8055,R8060
RES54-3E3R30	3K3 0805 SMD 1%	16	R1018,R1020,R2018,R2020,R3018,R3020, R4018,R4020,R5018,R5020,R6018,R6020, R7018,R7020,R8018,R8020
RES54-3E3R60	3K6 0805 SMD 1%	8	R1003,R2003,R3003,R4003,R5003, R6003,R7003,R8003
RES54-3E4R70	4K7 0805 SMD 1%	48	R1014,R1015,R1019,R1021,R1031,R1047, R2014,R2015,R2019,R2021,R2031,R2047, R3014,R3015,R3019,R3021,R3031,R3047, R4014,R4015,R4019,R4021,R4031,R4047, R5014,R5015,R5019,R5021,R5031,R5047, R6014,R6015,R6019,R6021,R6031,R6047, R7014,R7015,R7019,R7021,R7031,R7047, R8014,R8015,R8019,R8021,R8031,R8047
RES54-3E5R60	5K6 0805 SMD 1%	16	R1054,R1061,R2054,R2061,R3054,R3061, R4054,R4061,R5054,R5061,R6054,R6061, R7054,R7061,R8054,R8061
RES54-3E6R80	6K8 0805 SMD 1%	40	R1000,R1048,R1053,R1062,R1063, R2000,R2048,R2053,R2062,R2063, R3000,R3048,R3053,R3062,R3063, R4000,R4048,R4053,R4062,R4063, R5000,R5048,R5053,R5062,R5063, R6000,R6048,R6053,R6062,R6063, R7000,R7048,R7053,R7062,R7063, R8000,R8048,R8053,R8062,R8063
RES54-4E1R00	10K 0805 SMD 1%	48	R1056,R1057,R1058,R1059,R1068,R1069, R2056,R2057,R2058,R2059,R2068,R2069, R3056,R3057,R3058,R3059,R3068,R3069, R4056,R4057,R4058,R4059,R4068,R4069, R5056,R5057,R5058,R5059,R5068,R5069, R6056,R6057,R6058,R6059,R6068,R6069,

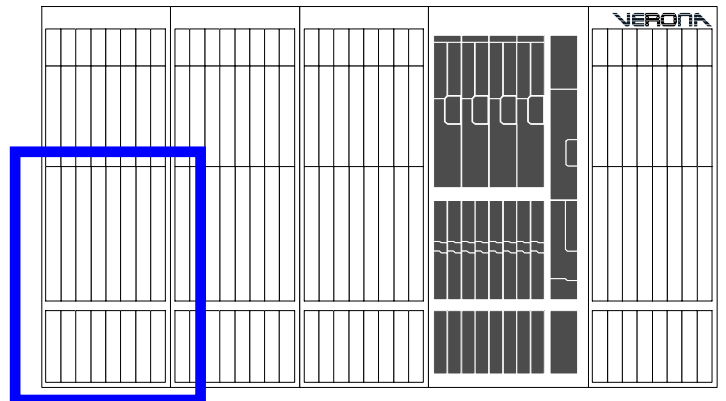
Part Identifier	Description	Quantity	Reference Text
RES54-4E1R00	10K 0805 SMD 1%	48	R7056,R7057,R7058,R7059,R7068,R7069, R8056,R8057,R8058,R8059,R8068,R8069
RES54-4E1R20	12K 0805 SMD 1%	16	R1024,R1025,R2024,R2025,R3024,R3025, R4024,R4025,R5024,R5025,R6024,R6025, R7024,R7025,R8024,R8025
RES54-4E2R20	22K 0805 SMD 1%	56	R1030,R1032,R1044,R1051,R1052,R1066,R1067, R2030,R2032,R2044,R2051,R2052,R2066,R2067, R3030,R3032,R3044,R3051,R3052,R3066,R3067, R4030,R4032,R4044,R4051,R4052,R4066,R4067, R5030,R5032,R5044,R5051,R5052,R5066,R5067, R6030,R6032,R6044,R6051,R6052,R6066,R6067, R7030,R7032,R7044,R7051,R7052,R7066,R7067, R8030,R8032,R8044,R8051,R8052,R8066,R8067
RES54-4E3R30	33K 0805 SMD 1%	16	R1040,R1041,R2040,R2041,R3040,R3041, R4040,R4041,R5040,R5041,R6040,R6041, R7040,R7041,R8040,R8041
RES54-4E4R70	47K 0805 SMD 1%	8	R1029,R2029,R3029,R4029,R5029, R6029,R7029,R8029
RES54-5E1R20	120K 0805 SMD 1% RES	8	R1114,R2114,R3114,R4114,R5114, R6114,R7114,R8114
RES54-5E4R70	470K 0805 SMD 1% RES	8	R1026,R2026,R3026,R4026,R5026, R6026,R7026,R8026
RES54-6E1R00	1M 0805 SMD 1%	32	R1016,R1017,R1038,R1100,R2016,R2017,R2038,R2100, R3016,R3017,R3038,R3100,R4016,R4017,R4038,R4100, R5016,R5017,R5038,R5100,R6016,R6017,R6038,R6100, R7016,R7017,R7038,R7100,R8016,R8017,R8038,R8100
SEM15-BAV99	SMD DUAL DIODE BAV99	16	D1002,D1003,D2002,D2003,D3002,D3003, D4002,D4003,D5002,D5003,D6002,D6003, D7002,D7003,D8002,D8003
SEM16-ZX84C6V2	SMD 6V2 ZENER (SOT23)	16	Z1000,Z1001,Z2000,Z2001,Z3000,Z3001, Z4000,Z4001,Z5000,Z5001,Z6000,Z6001, Z7000,Z7001,Z8000,Z8001
SEM31-2SA1084E	2SA1084E INLINE	16	Q1000,Q1001,Q2000,Q2001,Q3000,Q3001, Q4000,Q4001,Q5000,Q5001,Q6000,Q6001, Q7000,Q7001,Q8000,Q8001
SEM35-BC856B	BC856B SMD PNP TRANSISTR	16	Q1002,Q1003,Q2002,Q2003,Q3002,Q3003, Q4002,Q4003,Q5002,Q5003,Q6002,Q6003, Q7002,Q7003,Q8002,Q8003
SEM51-33178	SMD DUAL OP AMP (SO8)	8	U1001,U2001,U3001,U4001,U5001, U6001,U7001,U8001
SEM51-33179	SMD QUAD OP AMP (SO14)	16	U1002,U1005,U2002,U2005,U3002,U3005,

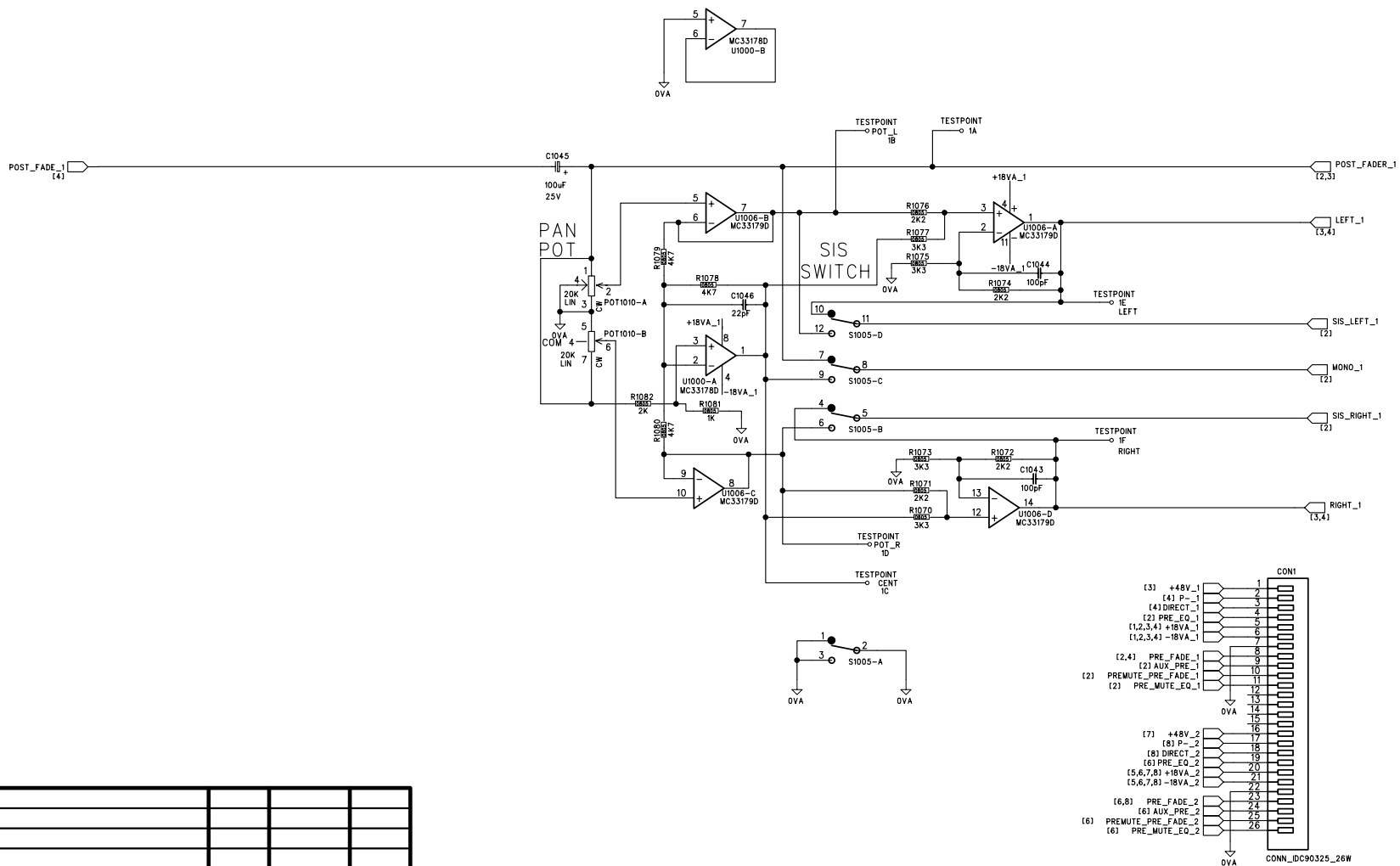
Part Identifier	Description	Quantity	Reference Text
SEM51-33179	SMD QUAD OP AMP (SO14)	16	U4002,U4005,U5002,U5005,U6002,U6005, U7002,U7005,U8002,U8005
SEM51-TL072	SMD LIN'R IC QUAD TL072	8	U1003,U2003,U3003,U4003,U5003, U6003,U7003,U8003
SWT01-JPS2LCV	2POLE LATCH VERT JPS2281	48	S1000,S1001,S1002,S1003,S1004,S1009, S2000,S2001,S2002,S2003,S2004,S2009, S3000,S3001,S3002,S3003,S3004,S3009, S4000,S4001,S4002,S4003,S4004,S4009, S5000,S5001,S5002,S5003,S5004,S5009, S6000,S6001,S6002,S6003,S6004,S6009, S7000,S7001,S7002,S7003,S7004,S7009, S8000,S8001,S8002,S8003,S8004,S8009
SWT01-LTV75R01	VERT LATCH SWT & LED RED	8	S1021,S2021,S3021,S4021,S5021, S6021,S7021,S8021



V0003 Mono Input PCB Lower Board Aux Sends and Faders

- V0003 Schematics -
- V0003 Board Overlays -
- V0003 Parts Grid Locator -
- V0003 Parts List -

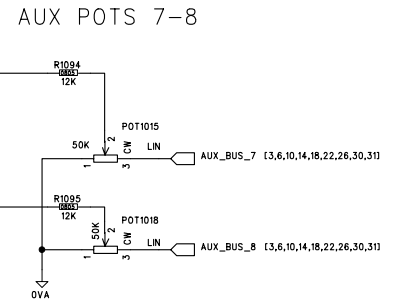
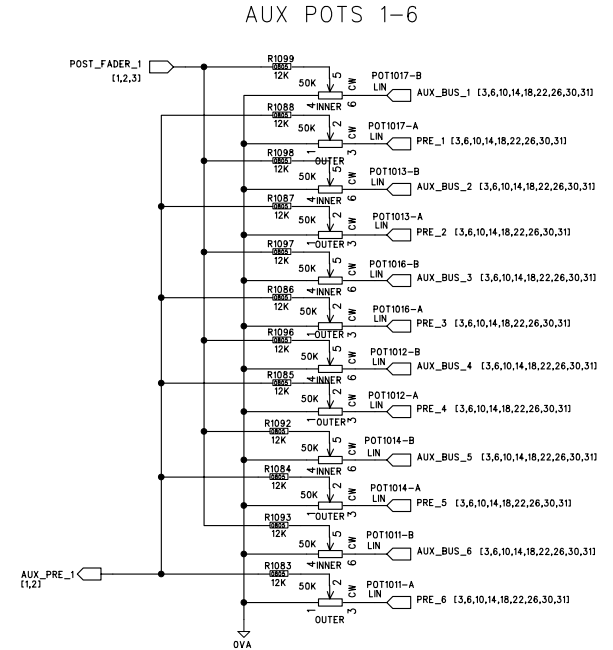
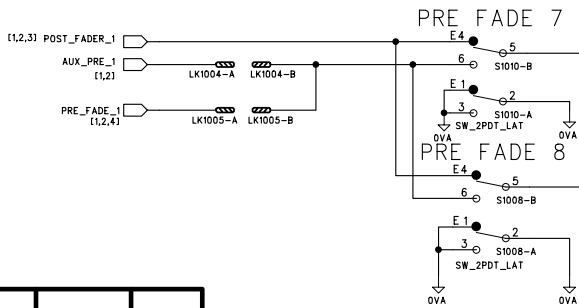
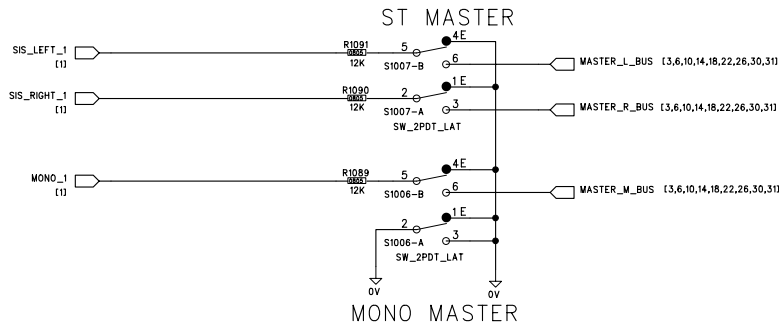
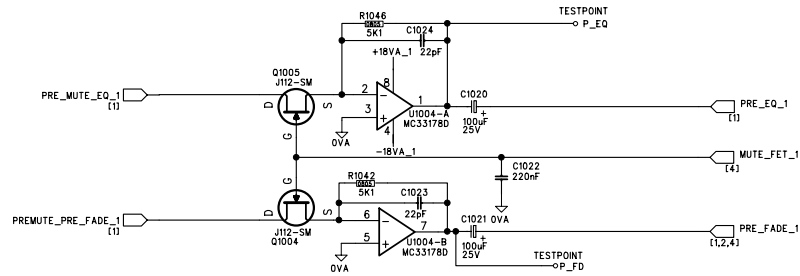




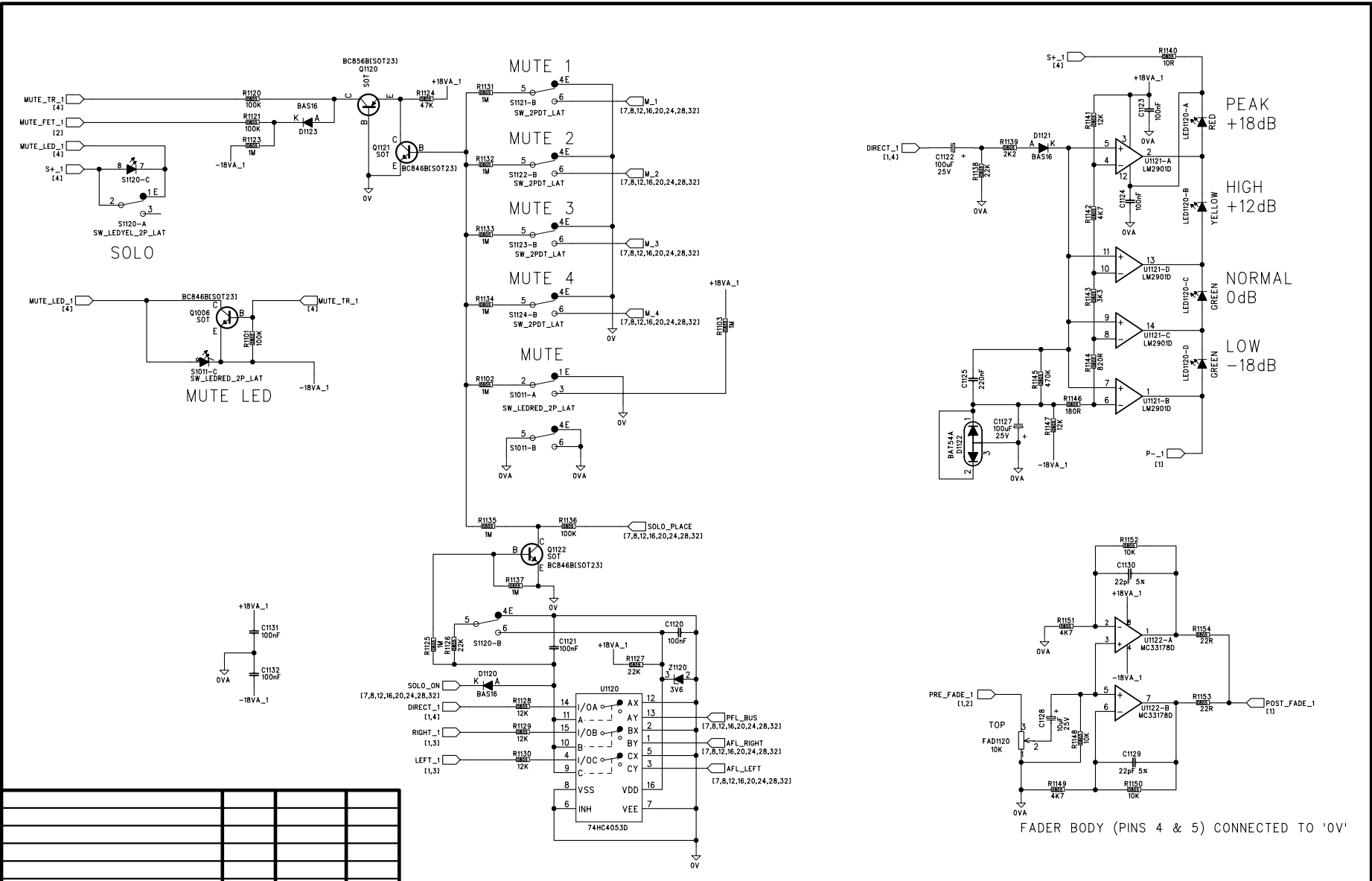
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TITLE: MONO FADER	DRAWN: AC	DATE: 03-08-03	SHEET: 1 OF 32
BOARD No. V0003 BOARD Iss. 1	CHECKED:	DRG No. PCX-V0003-1.1.SCH	

FOR CHANGES SEE ECN4280
AMENDMENTS

1.1	AA	31-10-03
ISS.	INIT.	DATE.



UNIT: VERONA			MIDAS AUDIO			
TITLE: MONO FADER			DRAWN: AC	DATE: 03-08-03	SHEET: 2 OF 32	
BOARD No. V0003 BOARD Iss. 1			CHECKED:	DRG No. PCX-V0003-1.1.SCH		
FOR CHANGES SEE ECN4280	1.1	AA	31-10-03			
AMENDMENTS	ISS.	INIT.	DATE.			

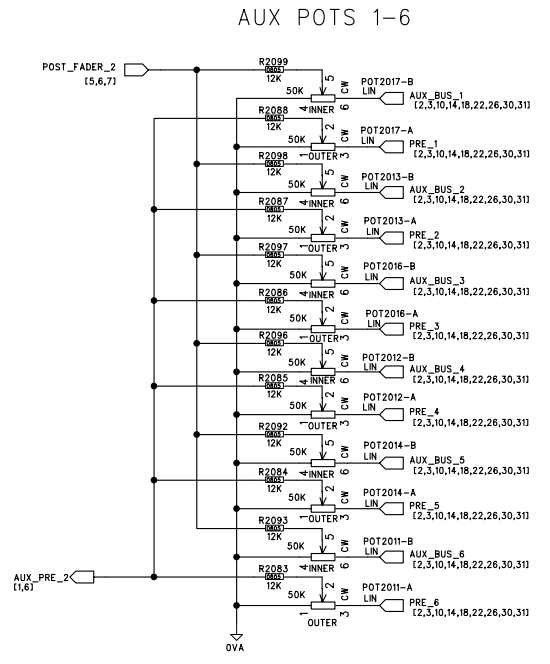
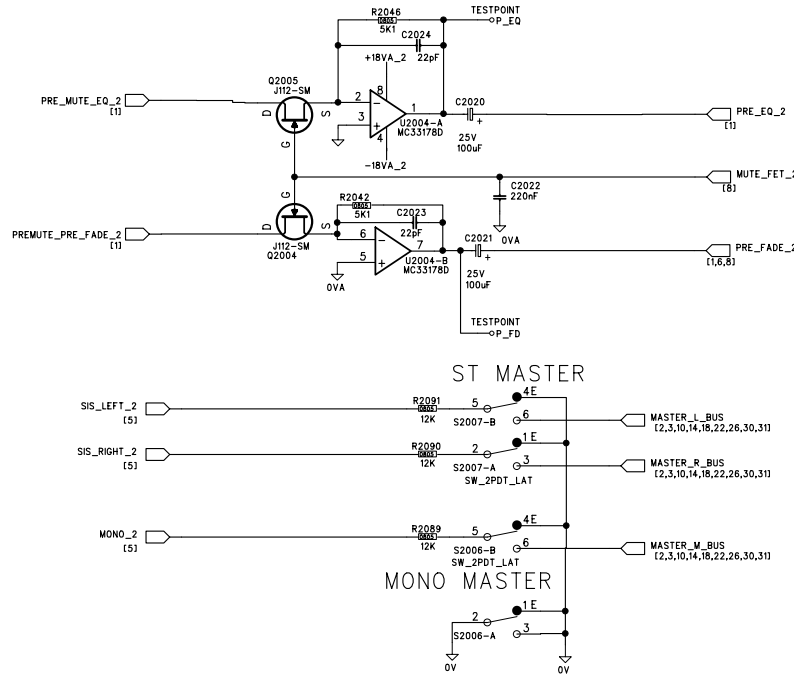


AMENDMENTS	ISS.	INIT.	DATE.
FOR CHANGES SEE ECN4280	1.1	AA	31-10-03

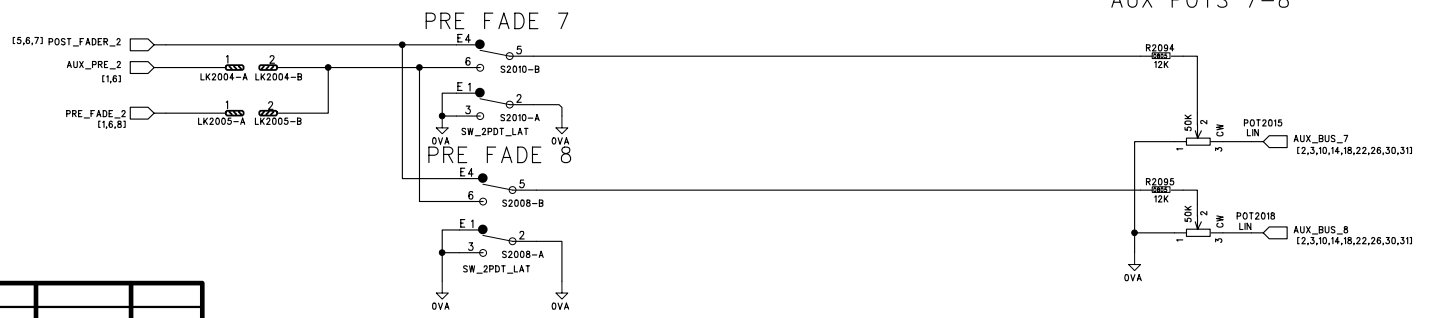
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 BOARD No. V0003 BOARD Iss. 1

MIDAS AUDIO

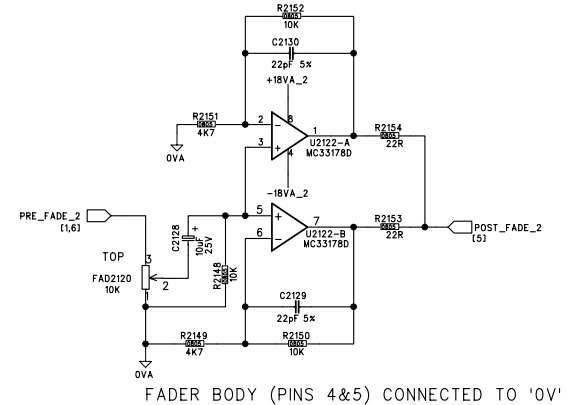
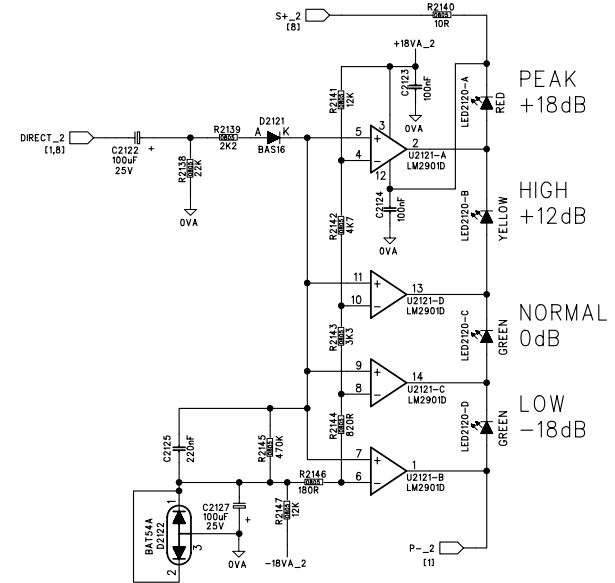
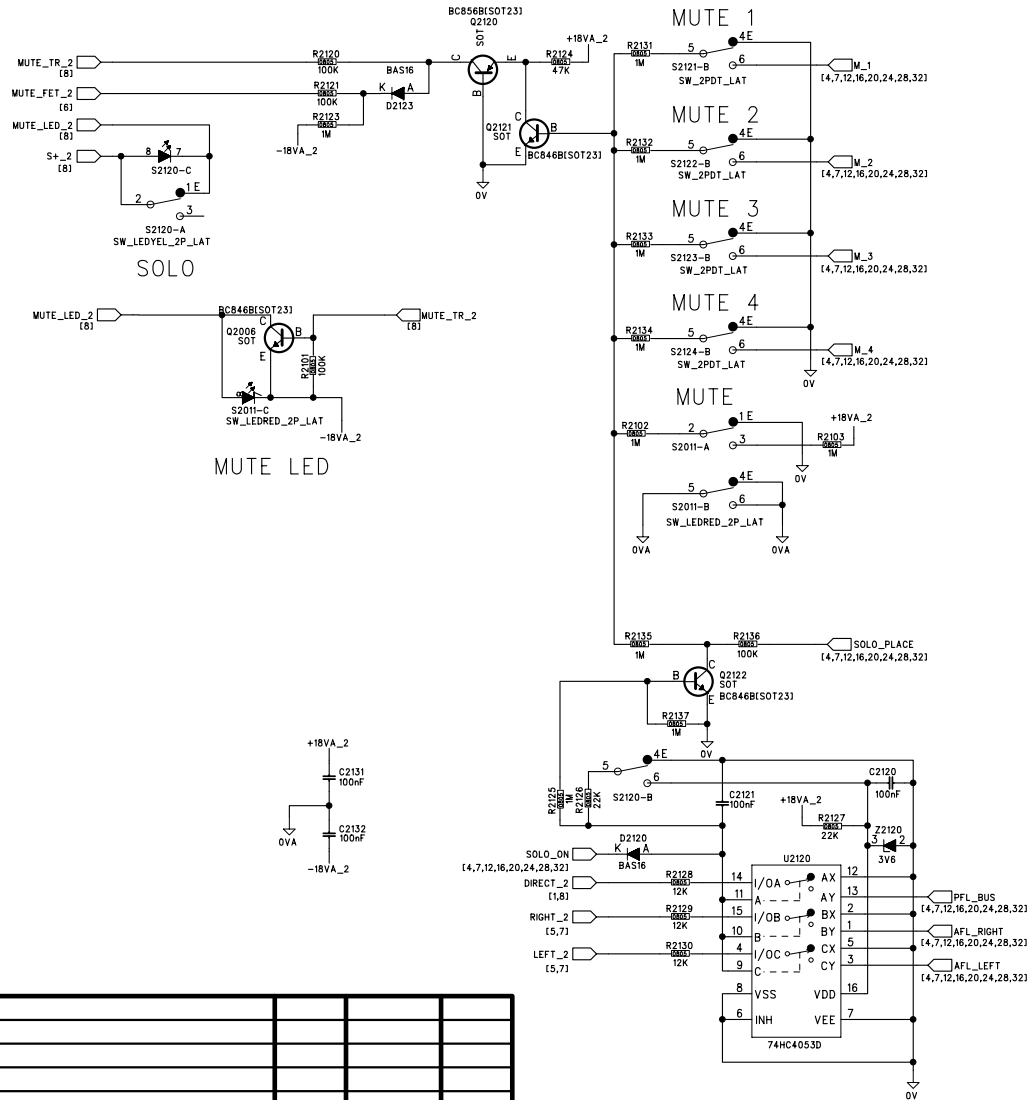
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 CHECKED: DRG No. PCX-V0003-1.1.SCH



AUX POTS 7-8



UNIT: VERONA	<h1>MIDAS AUDIO</h1>		
TITLE: MONO FADER	DRAWN: AC	DATE: 03-08-03	SHEET: 6 OF 32
BOARD No. V0003 BOARD Iss. 1	CHECKED:	DRG No. PCX-V0003-1.1.SCH	
FOR CHANGES SEE ECN4280	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.



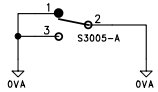
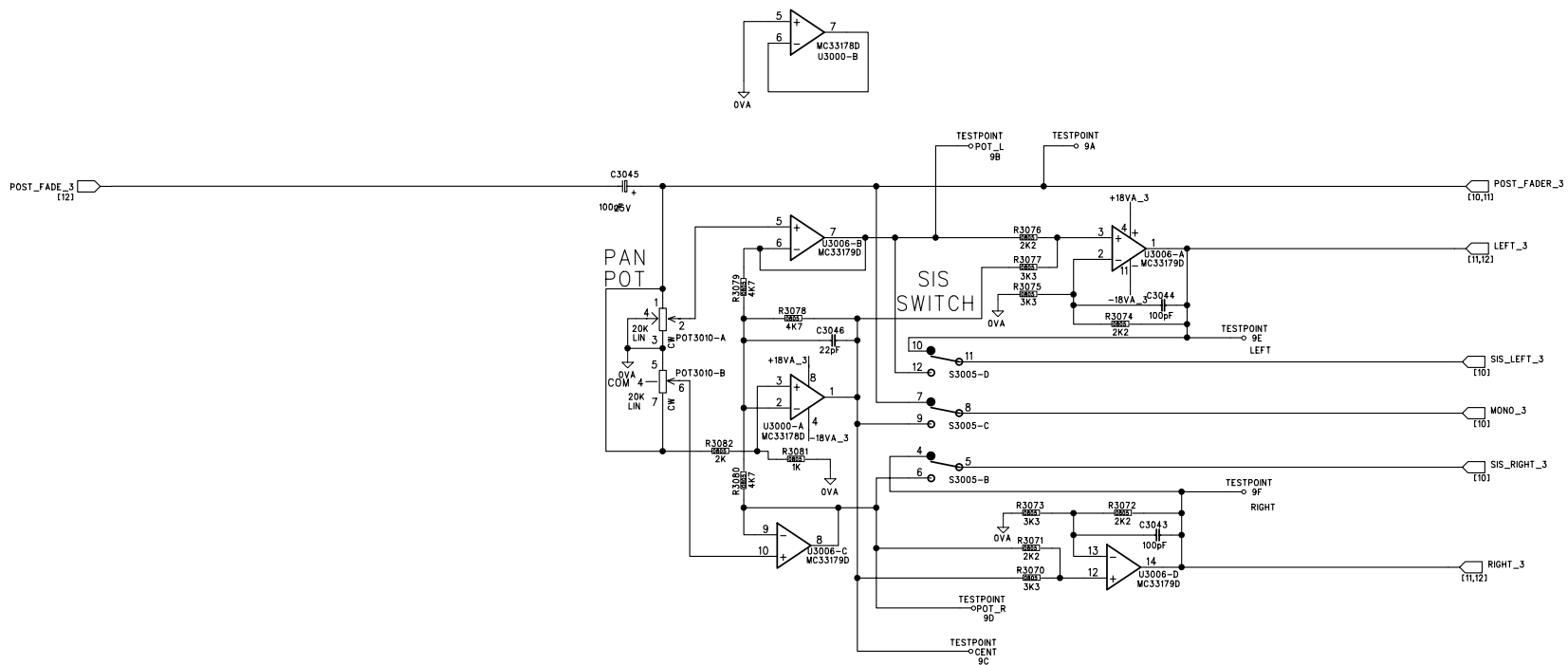
FADER BODY (PINS 4&5) CONNECTED TO '0V'

FOR CHANGES SEE ECN4280	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

UNIT: VERONA
 TITLE: MONO FADER
 BOARD No. V0003 BOARD Iss. 1

MIDAS AUDIO

DRAWN: AC DATE: 03-08-03 SHEET: 8 OF 32
 CHECKED: DRG No. PCX-V0003-1.1.SCH

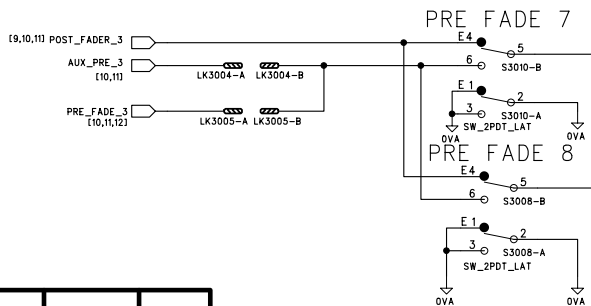
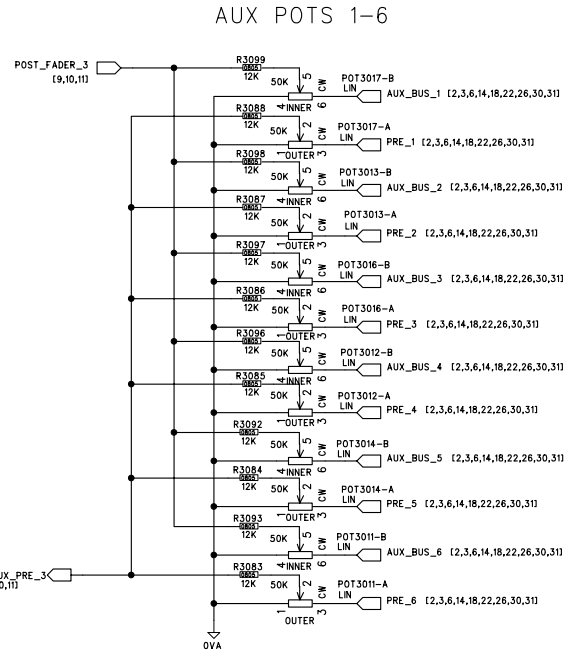
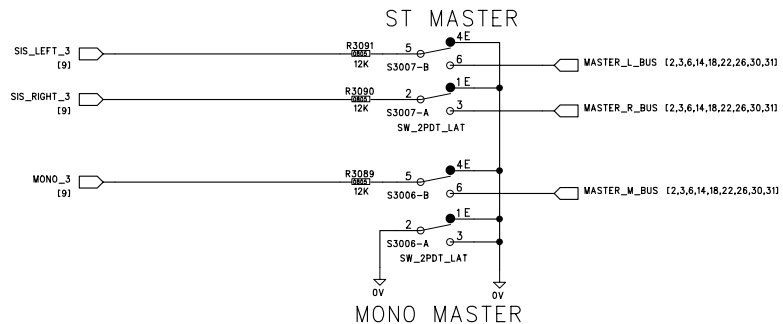
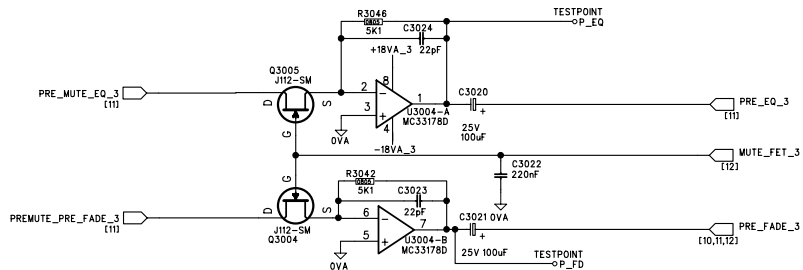


FOR CHANGES SEE ECN4280	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

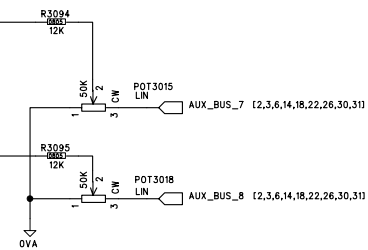
UNIT: VERONA
 TITLE: MONO FADER
 BOARD No. V0003 BOARD Iss. 1

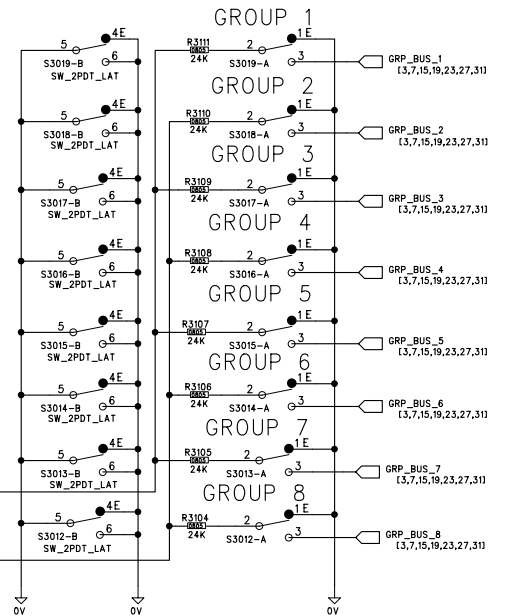
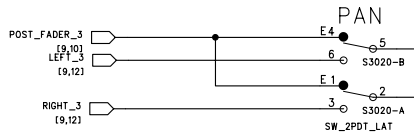
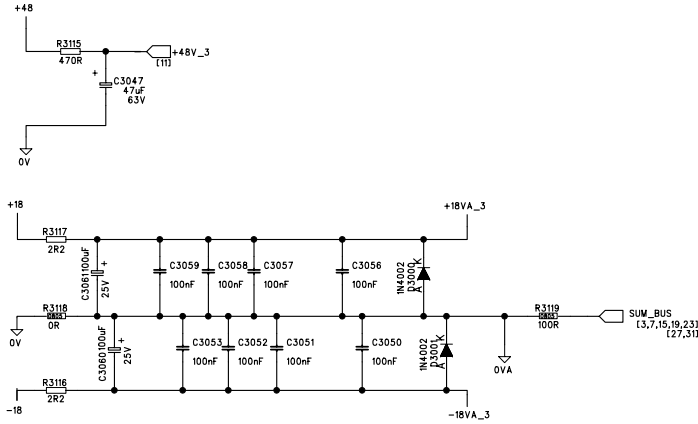
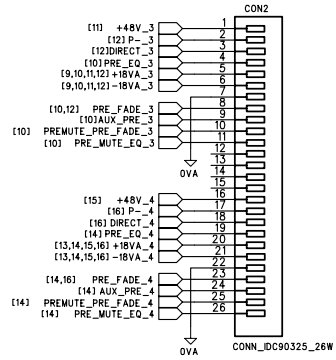
MIDAS AUDIO

DRAWN: AC	DATE: 03-08-03	SHEET: 9 OF 32
CHECKED:	DRG No. PCX-V0003-1.1.SCH	



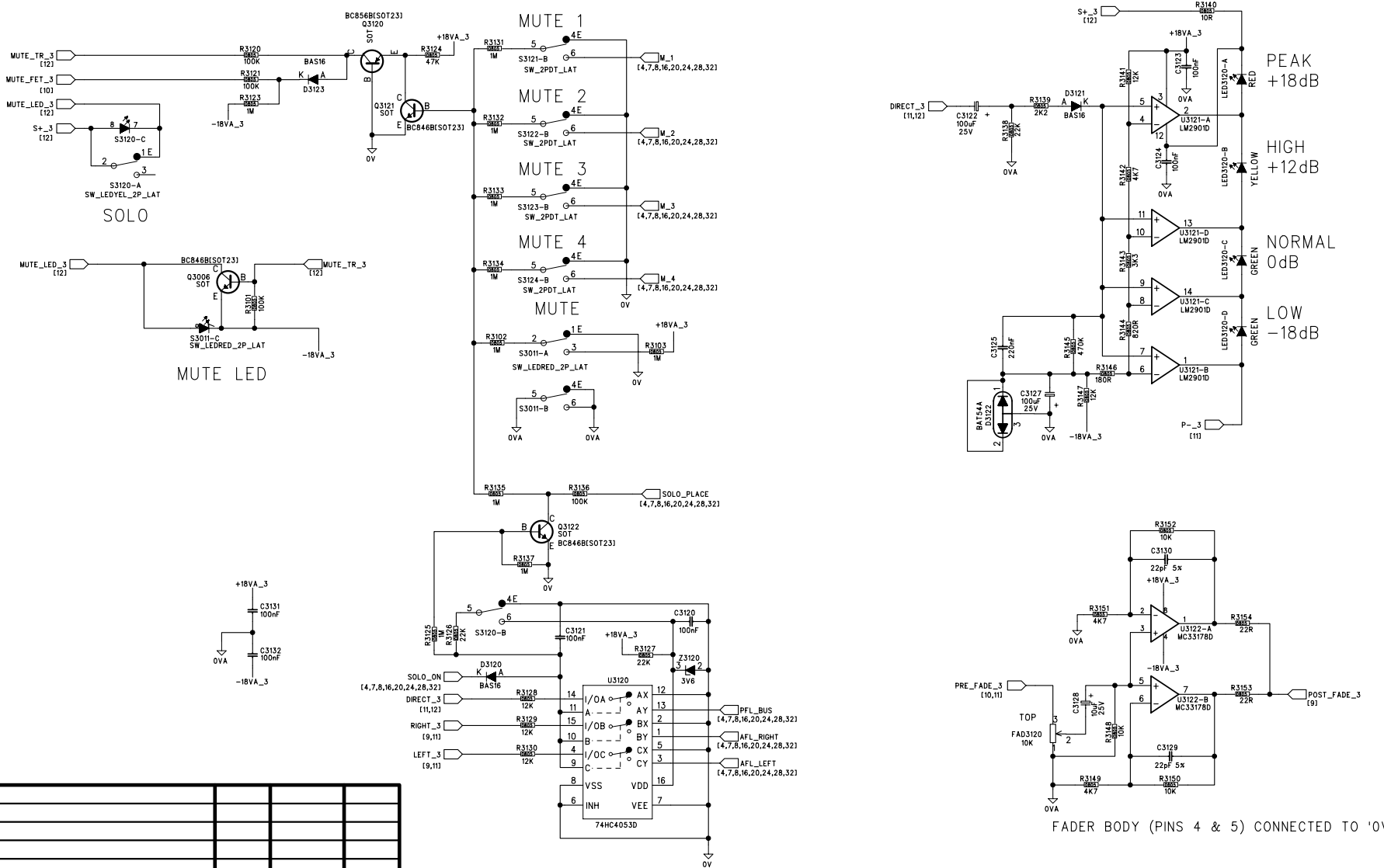
AUX POTS 7-8





FOR CHANGES SEE ECN4280	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

UNIT: VERONA	MIDAS AUDIO		
TITLE: MONO FADER	DRAWN: AC	DATE: 03-08-03	SHEET: 11 OF 32
BOARD No. V0003 BOARD Iss. 1	CHECKED:	DRG No. PCX-V0003-1.1.SCH	



FOR CHANGES SEE ECN4280	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

UNIT: VERONA

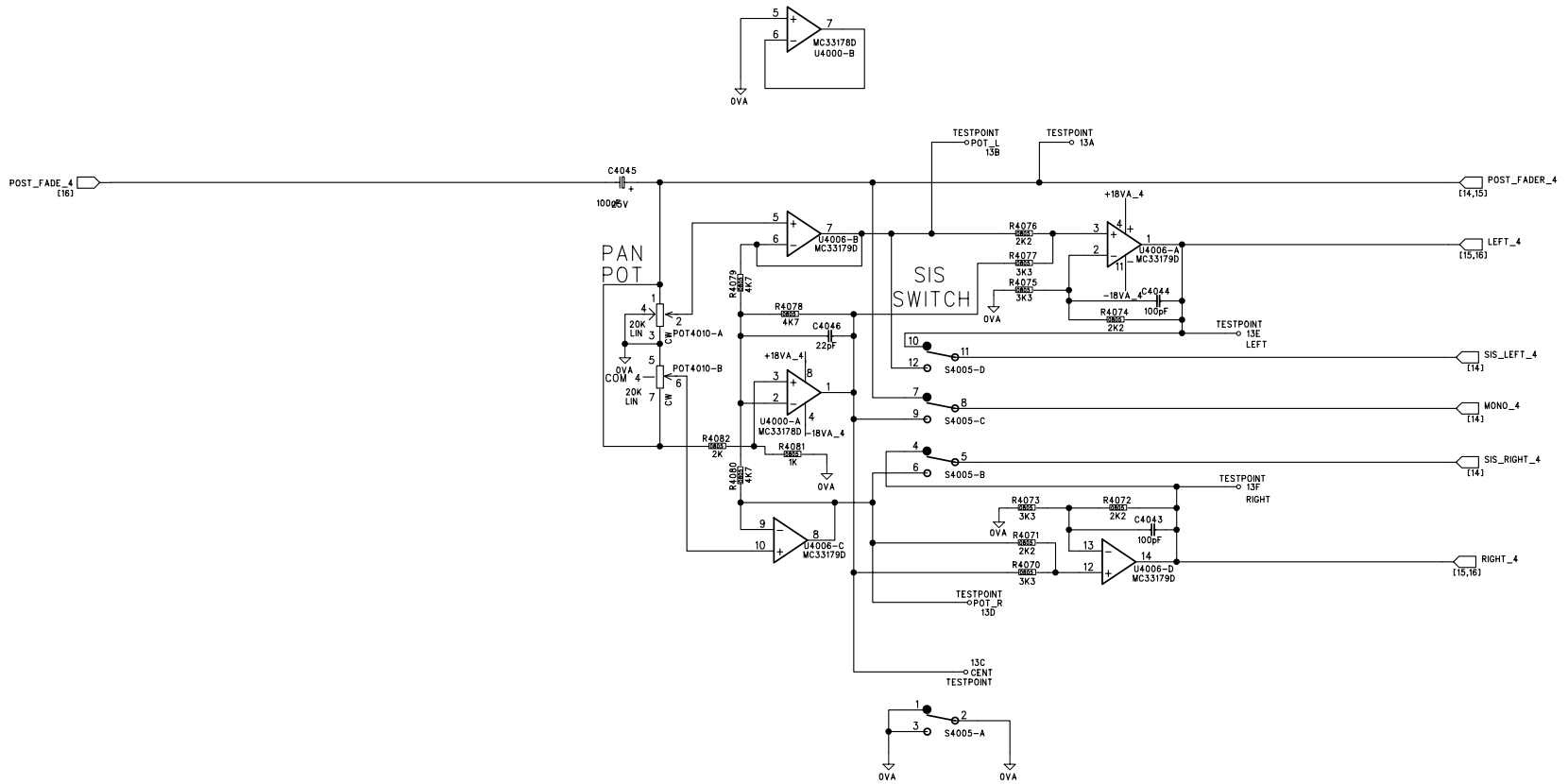
TITLE: MONO FADER

BOARD No. V0003 BOARD Iss. 1

MIDAS AUDIO

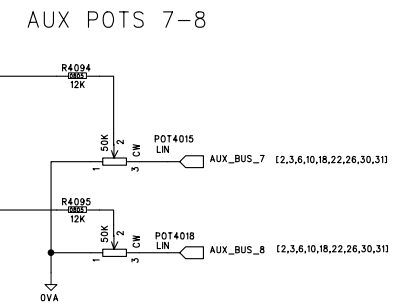
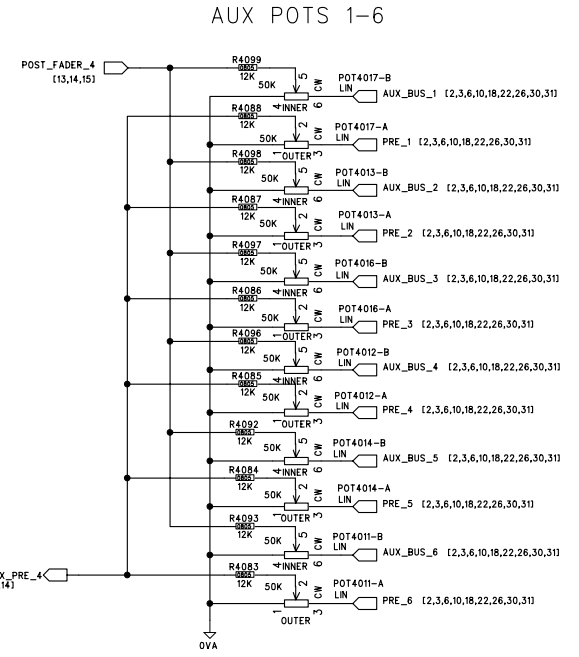
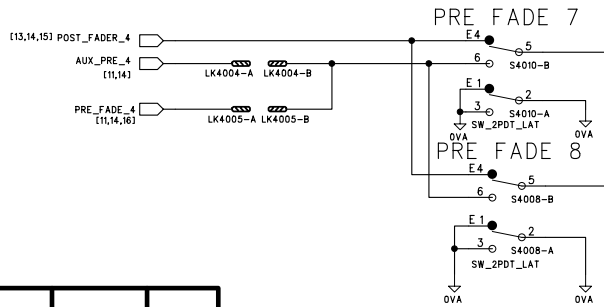
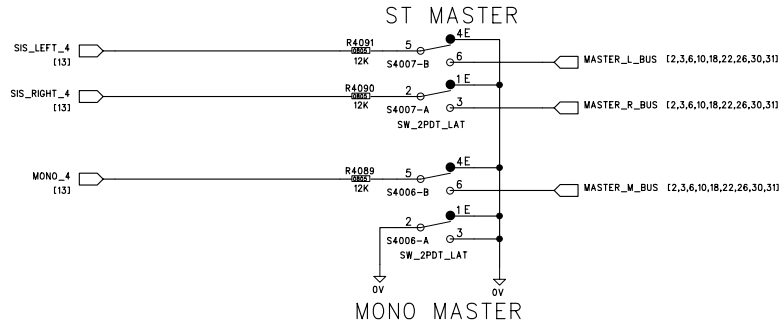
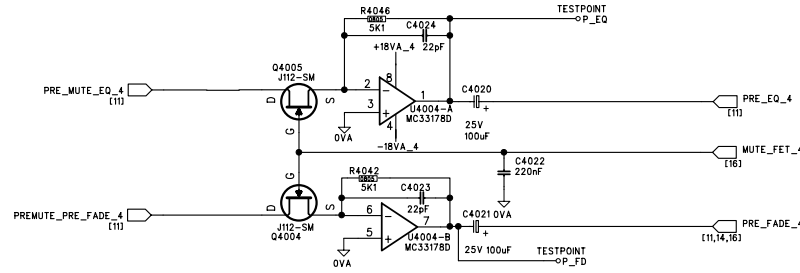
DRAWN: AC DATE: 03-08-03 SHEET: 12 OF 32

CHECKED: DRG No. PCX-V0003-1.1.SCH



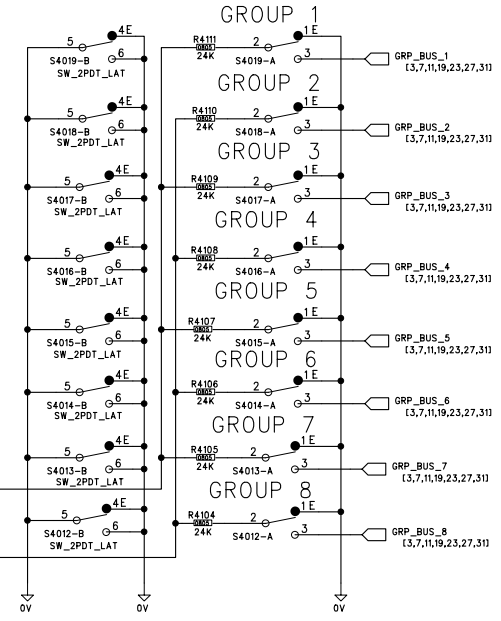
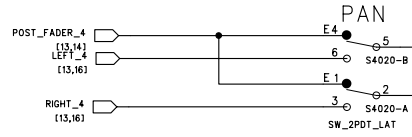
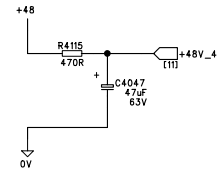
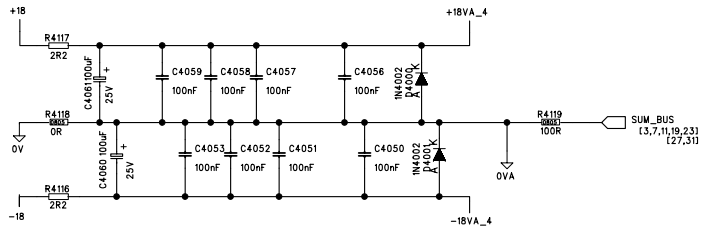
FOR CHANGES SEE ECN4280	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

UNIT: VERONA	MIDAS AUDIO		
TITLE: MONO FADER	DRAWN: AC	DATE: 03-08-03	SHEET: 13 OF 32
BOARD No. V0003 BOARD Iss. 1	CHECKED:	DRG No. PCX-V0003-1.1.SCH	



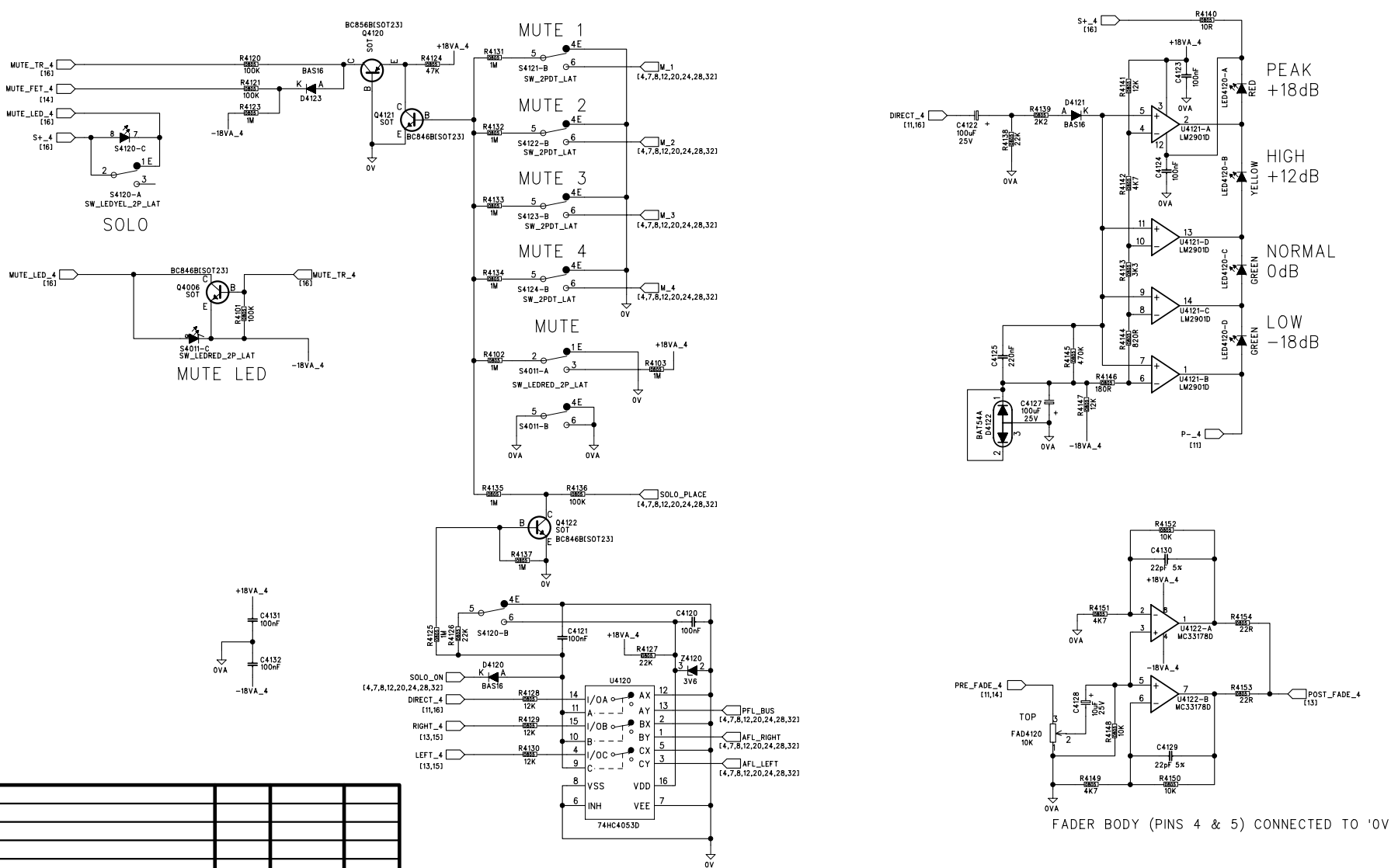
FOR CHANGES SEE ECN4280
AMENDMENTS

1.1 AA 31-10-03
ISS. INIT. DATE.



FOR CHANGES SEE ECN4280	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

UNIT: VERONA	MIDAS AUDIO		
TITLE: MONO FADER	DRAWN: AC	DATE: 03-08-03	SHEET: 15 OF 32
BOARD No. V0003 BOARD Iss. 1	CHECKED:	DRG No. PCX-V0003-1.1.SCH	



FOR CHANGES SEE ECN4280	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

UNIT: VERONA

TITLE: MONO FADER

BOARD No. V0003 BOARD Iss. 1

MIDAS AUDIO

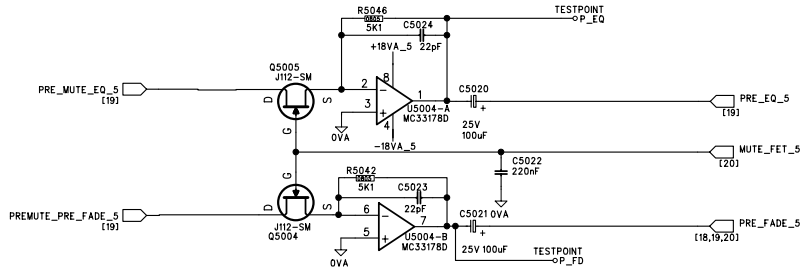
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CHECKED:

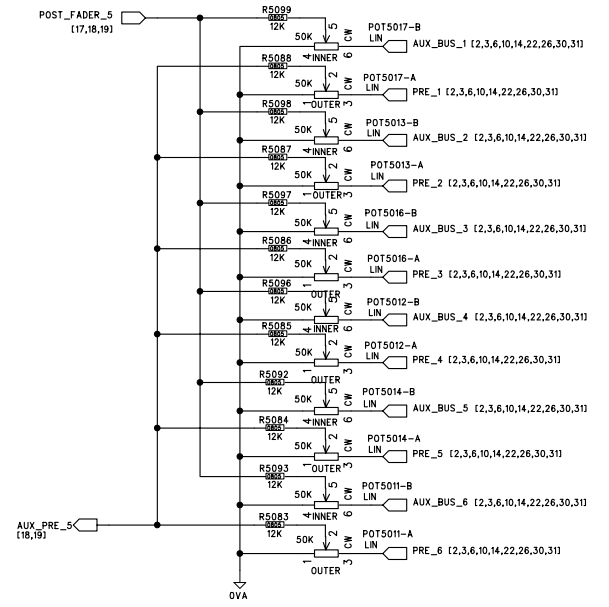
DATE: 03-08-03

DRG No. PCX-V0003-1.1.SCH

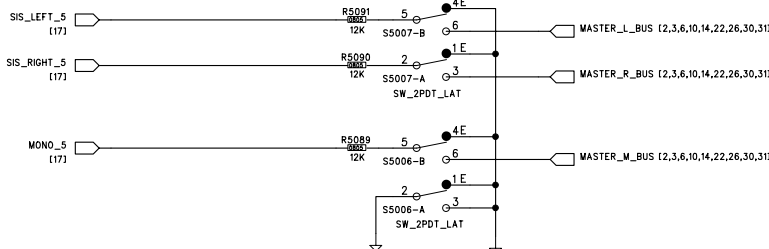
SHEET: 16 OF 32



AUX POTS 1-6

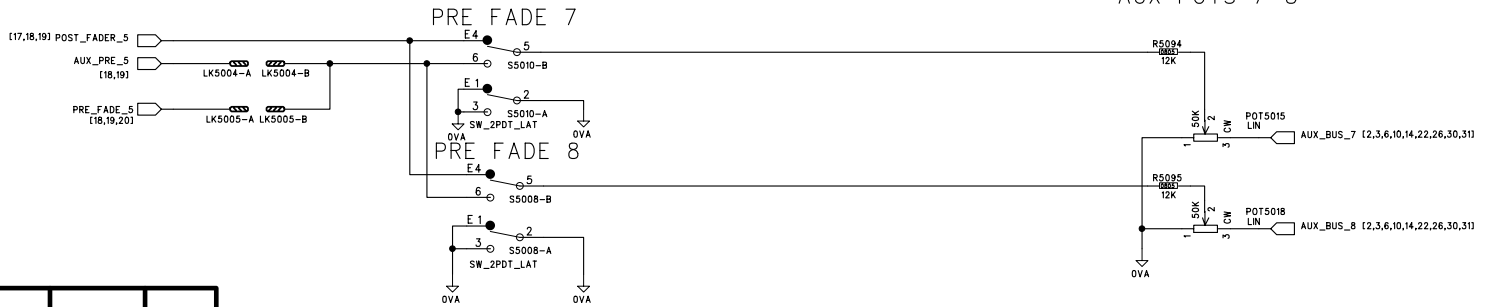


ST MASTER



MONO MASTER

AUX POTS 7-8

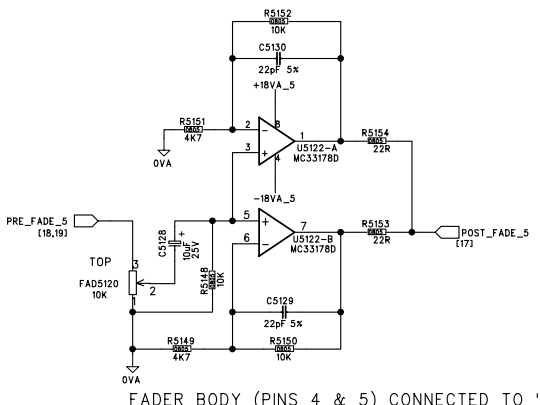
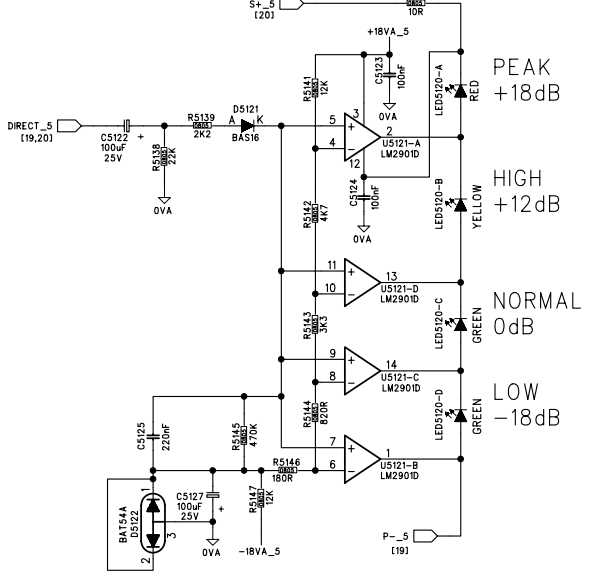
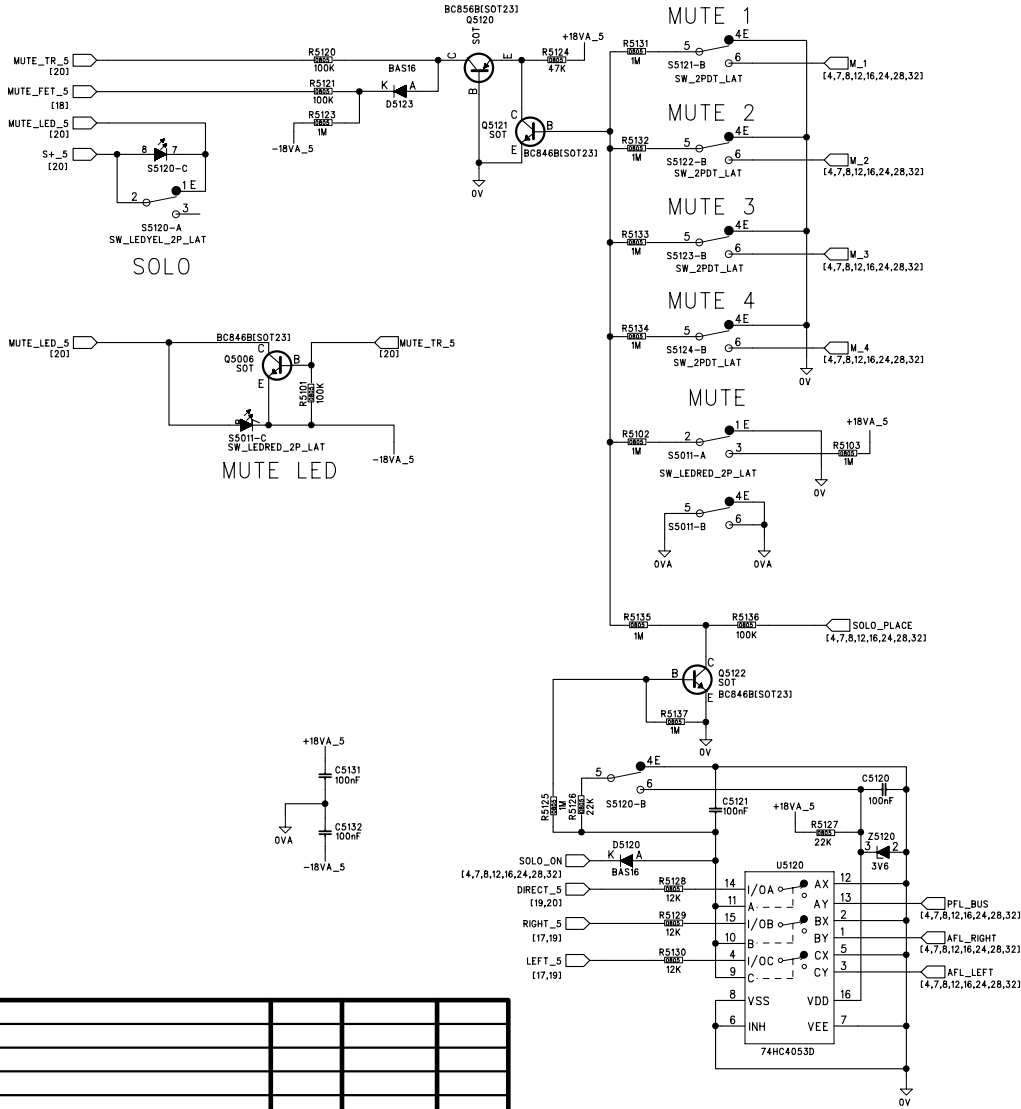


FOR CHANGES SEE ECN4280	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

UNIT: VERONA
TITLE: MONO FADER
BOARD No. V0003 BOARD Iss. 1

MIDAS AUDIO

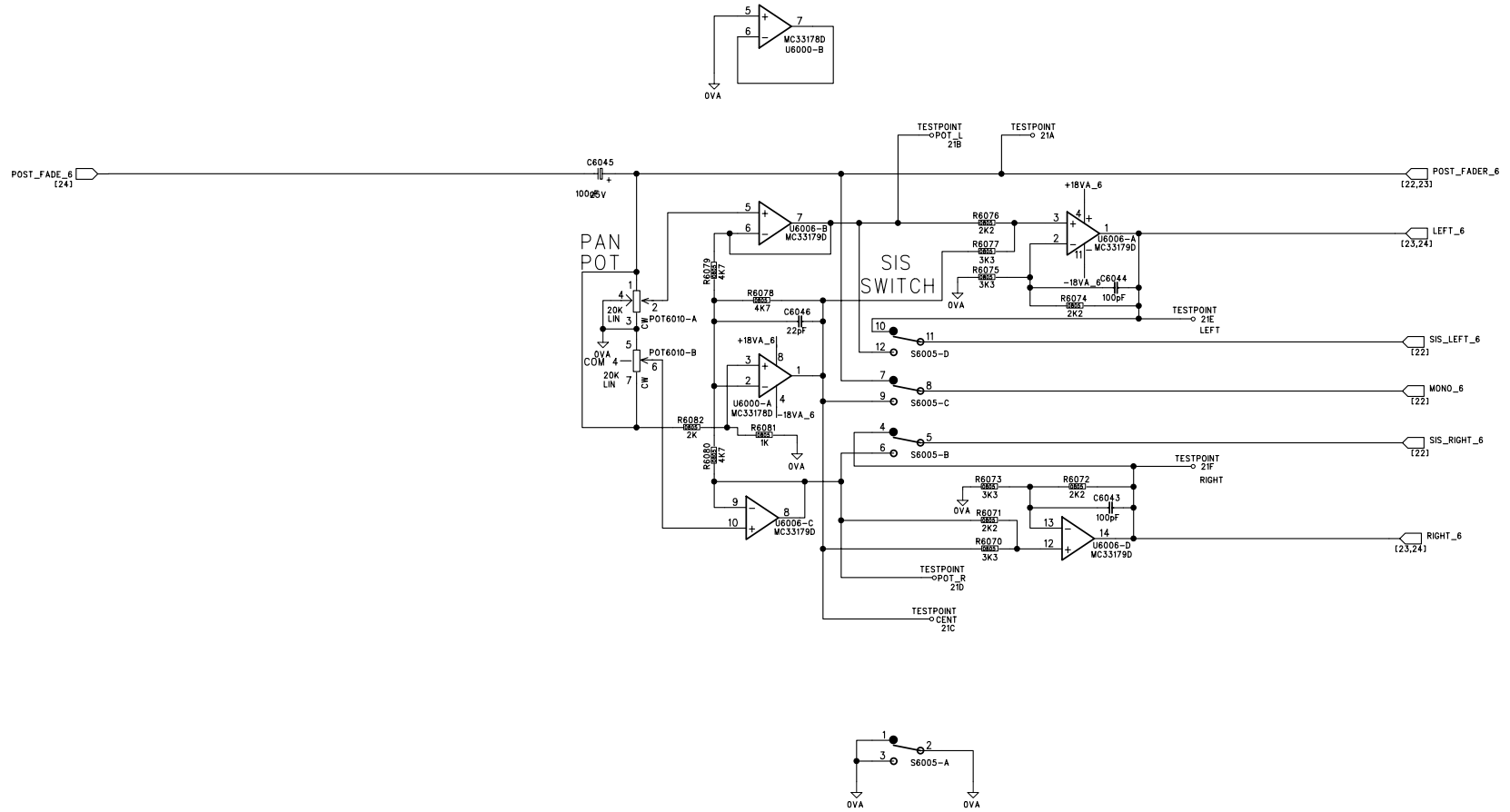
DRAWN: AC DATE: 03-08-03 SHEET: 18 OF 32
CHECKED: DRG No. PCX-V0003-1.1.SCH



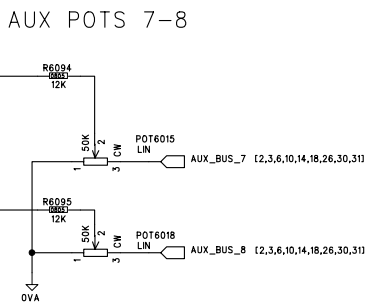
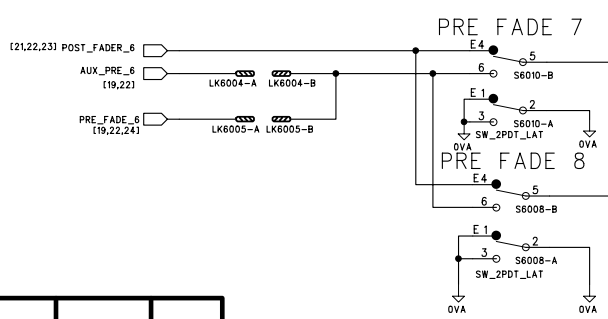
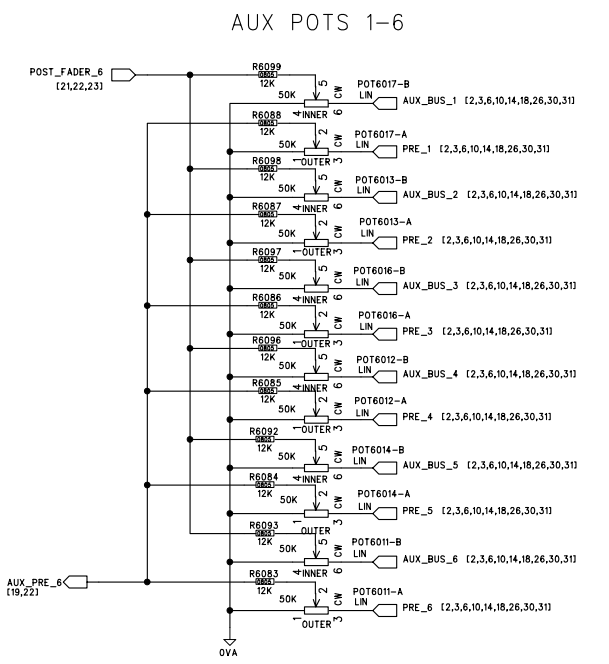
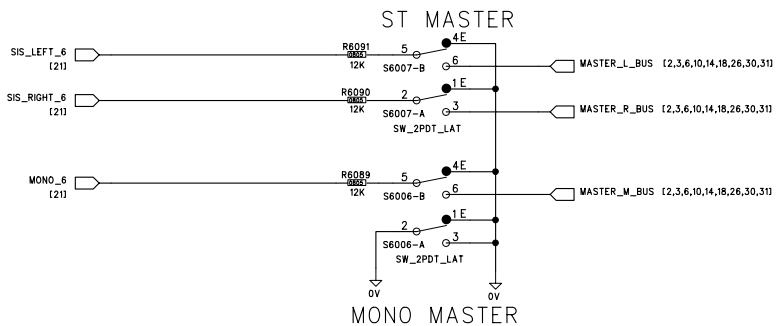
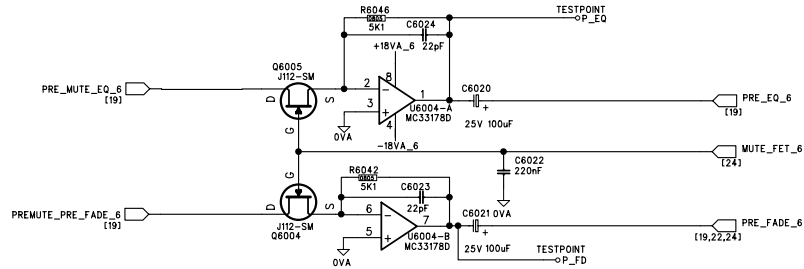
FOR CHANGES SEE ECN4280			
AMENDMENTS	ISS.	AA	31-10-03
	ISS.	INIT.	DATE.

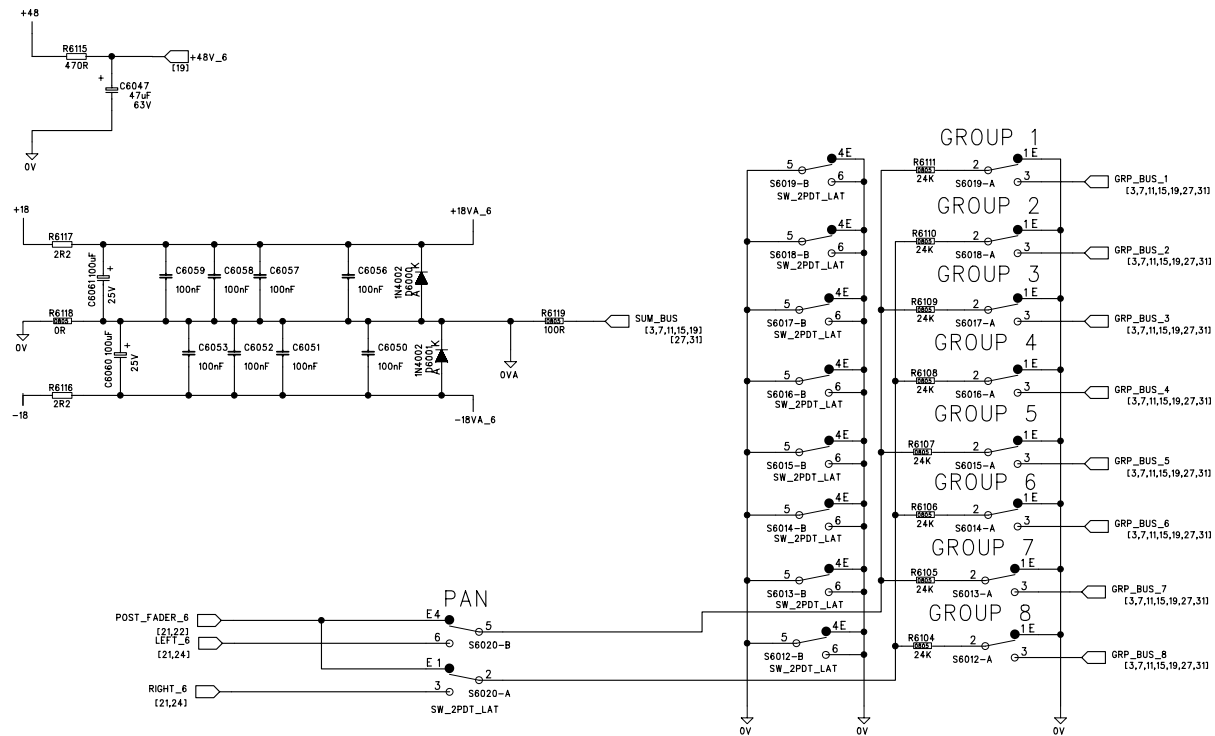
UNIT: VERONA
 TITLE: MONO FADER
 BOARD No. V0003 BOARD Iss. 1

MIDAS AUDIO
 DRAWN: AC
 DATE: 03-08-03
 SHEET: 20 OF 32
 CHECKED:
 DRG No. PCX-V0003-1.1.SCH



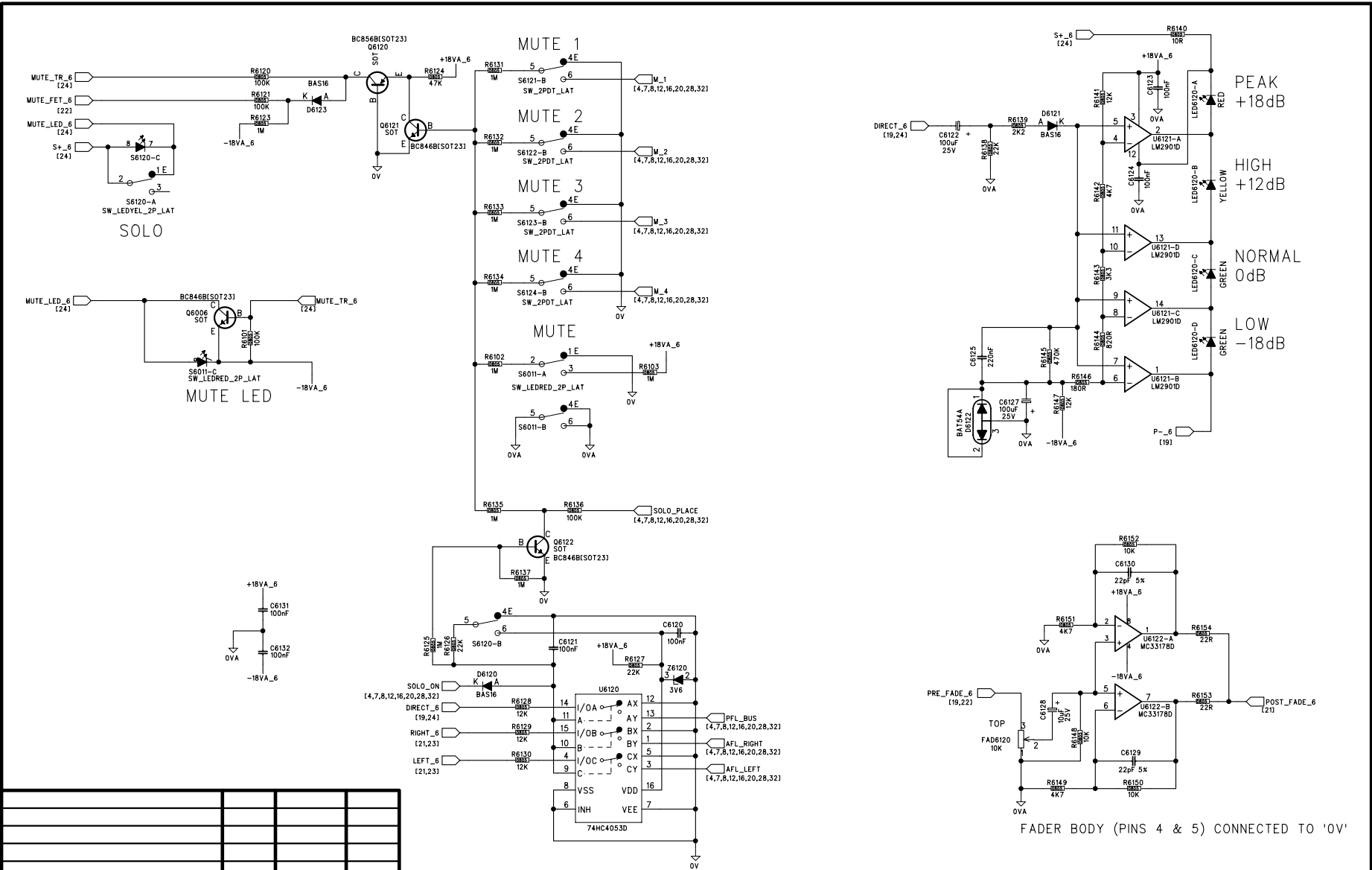
UNIT: VERONA	MIDAS AUDIO		
TITLE: MONO FADER	DRAWN: AC	DATE: 03-08-03	SHEET: 21 OF 32
BOARD No. V0003 BOARD Iss. 1	CHECKED:	DRG No. PCX-V0003-1.1.SCH	
FOR CHANGES SEE ECN4280	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.





FOR CHANGES SEE ECN4280	1.1	AA
AMENDMENTS	ISS.	INIT.

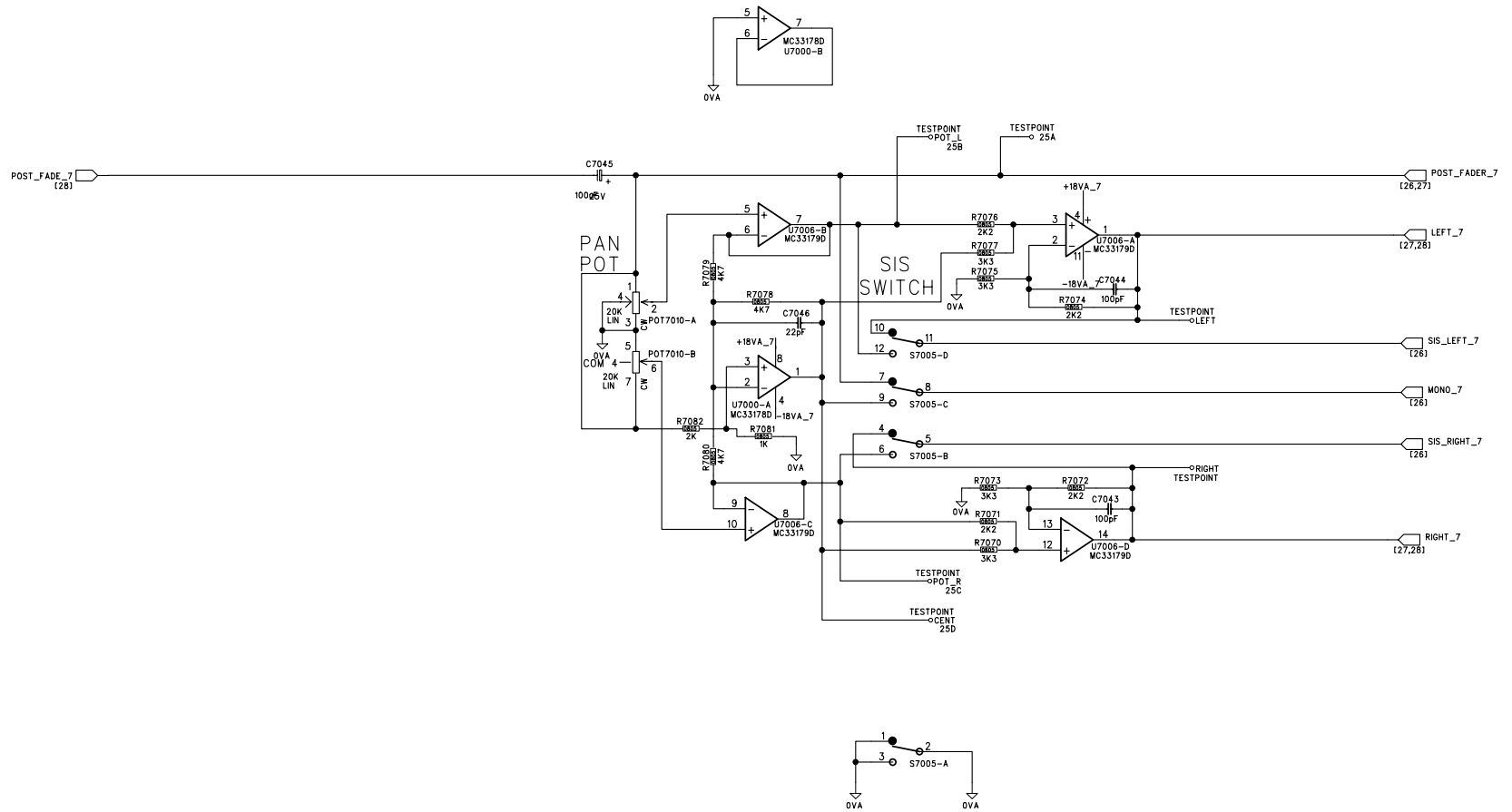
UNIT: VERONA	MIDAS AUDIO		
TITLE: MONO FADER	DRAWN: AC	DATE: 03-08-03	SHEET: 23 OF 32
BOARD No. V0003 BOARD Iss. 1	CHECKED:	DRG No. PCX-V0003-1.1.SCH	



FOR CHANGES SEE ECN4280	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

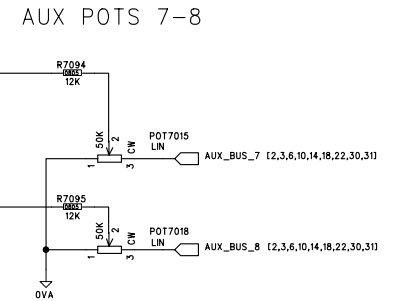
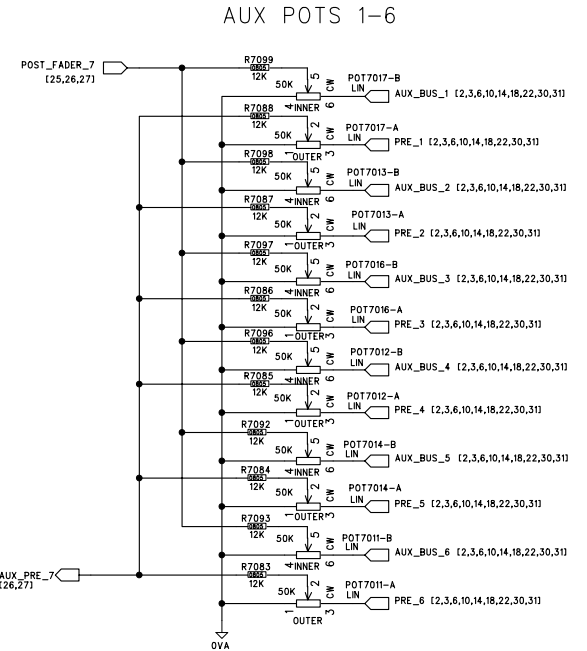
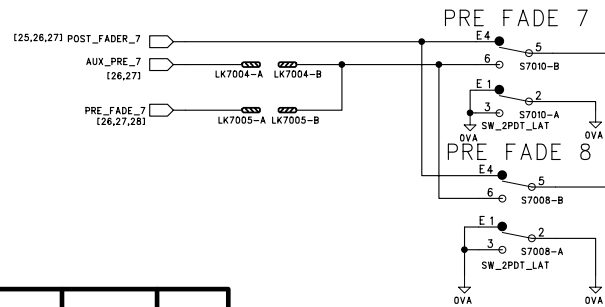
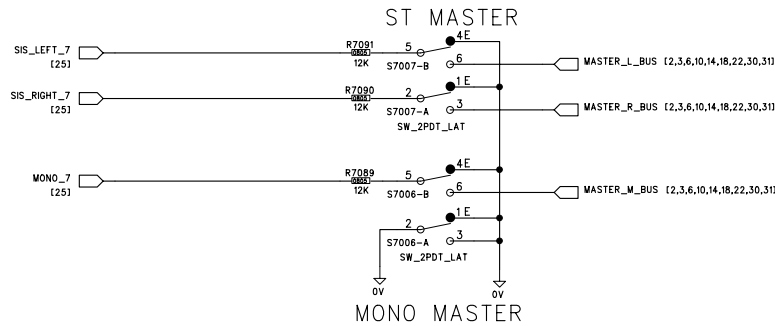
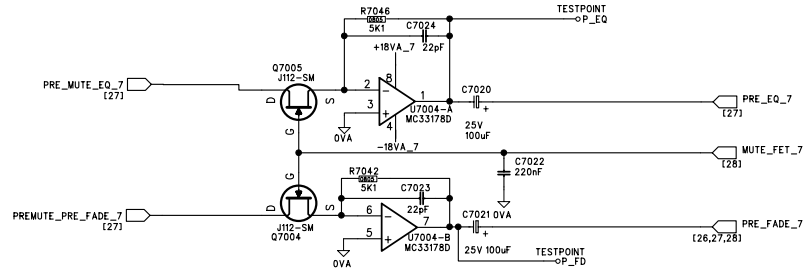
UNIT: VERONA
 TITLE: MONO FADER
 BOARD No. V0003 BOARD Iss. 1

MIDAS AUDIO
 DRAWN: AC
 CHECKED:
 DATE: 03-08-03
 SHEET: 24 OF 32
 DRG No. PCX-V0003-1.1.SCH



FOR CHANGES SEE ECN4280	1.1	AA	31-10-03		
AMENDMENTS	ISS.	INIT.	DATE.		

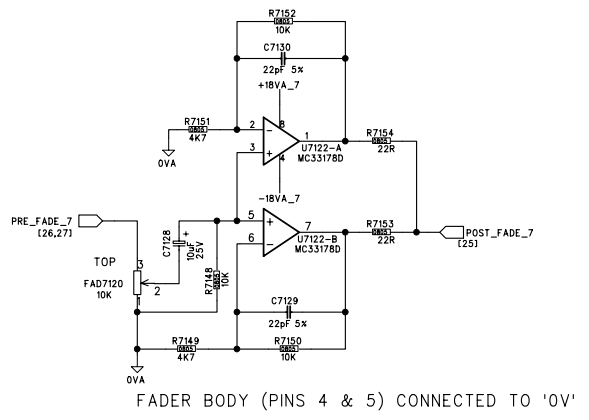
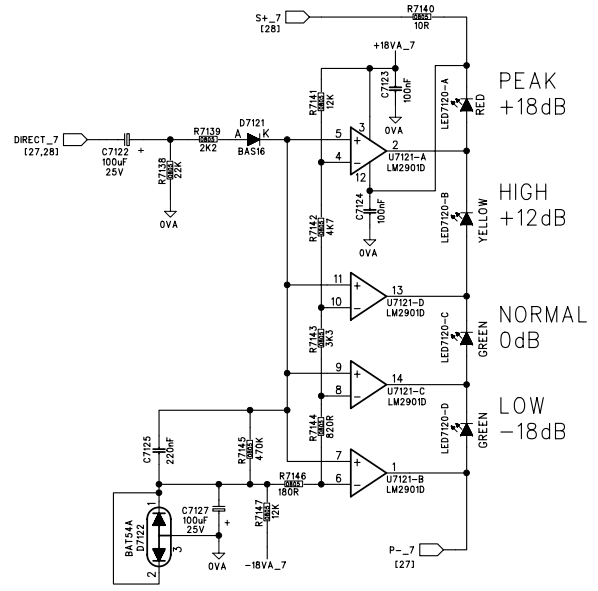
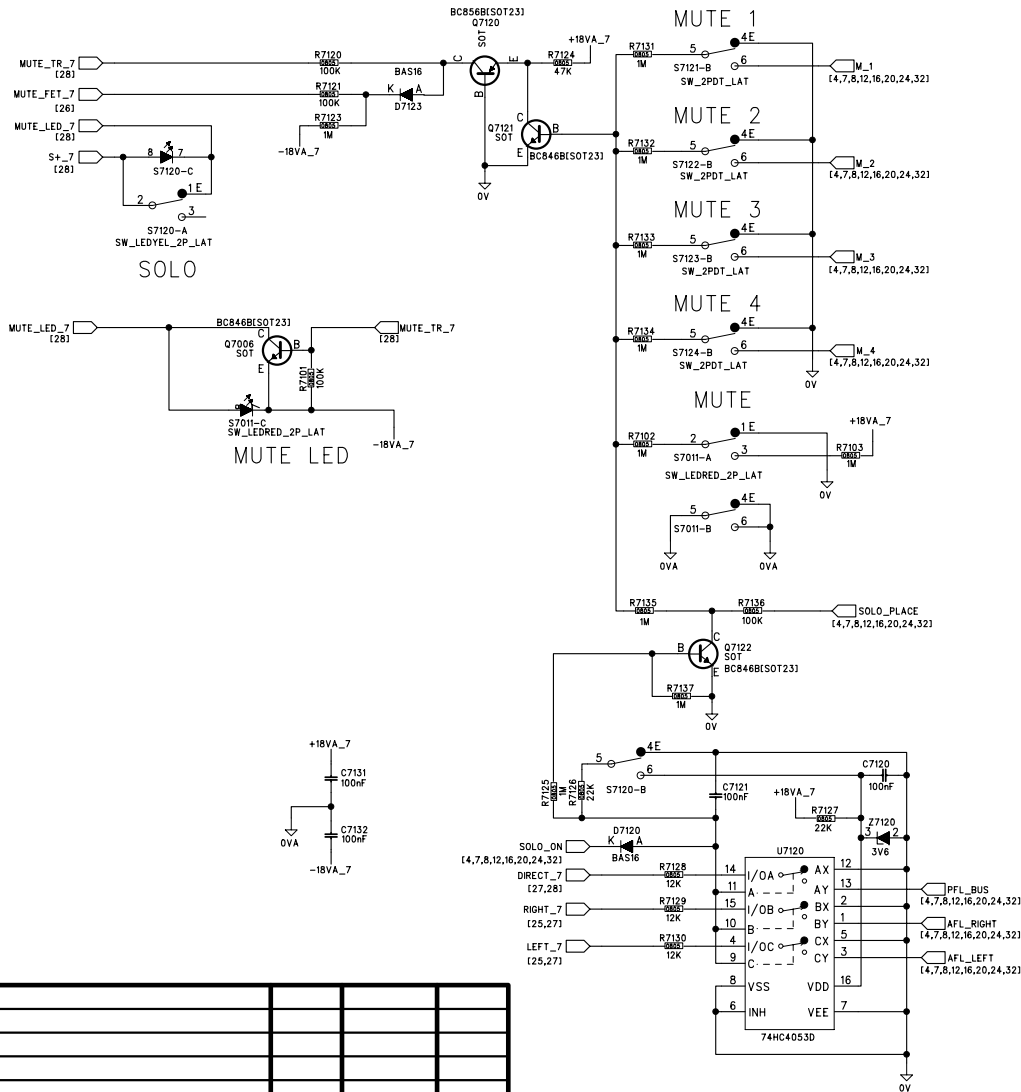
UNIT: VERONA	MIDAS AUDIO				
TITLE: MONO FADER	DRAWN: AC	DATE: 03-08-03	SHEET: 25 OF 32		
BOARD No. V0003 BOARD Iss. 1		CHECKED:	DRG No. PCX-V0003-1.1.SCH		



UNIT: VERONA	MIDAS AUDIO		
TITLE: MONO FADER	DRAWN: AC	DATE: 03-08-03	SHEET: 26 OF 32
BOARD No. V0003 BOARD Iss. 1	CHECKED:	DRG No. PCX-V0003-1.1.SCH	

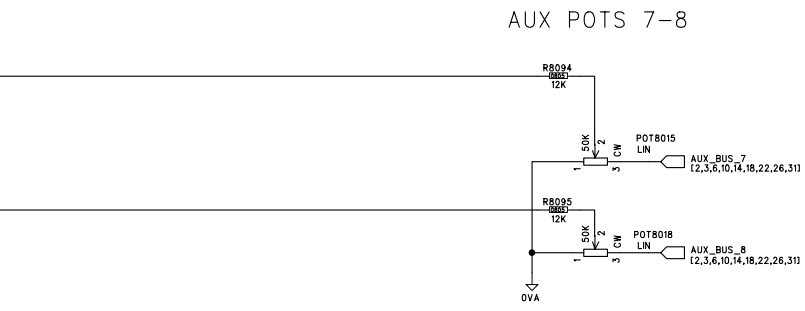
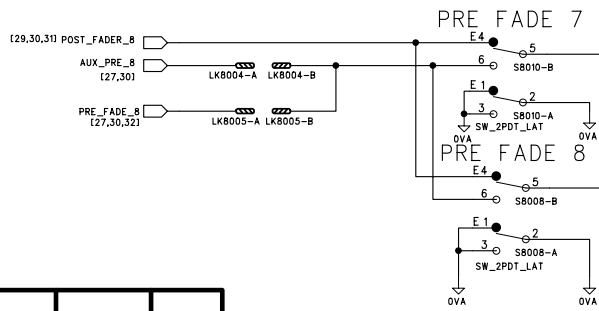
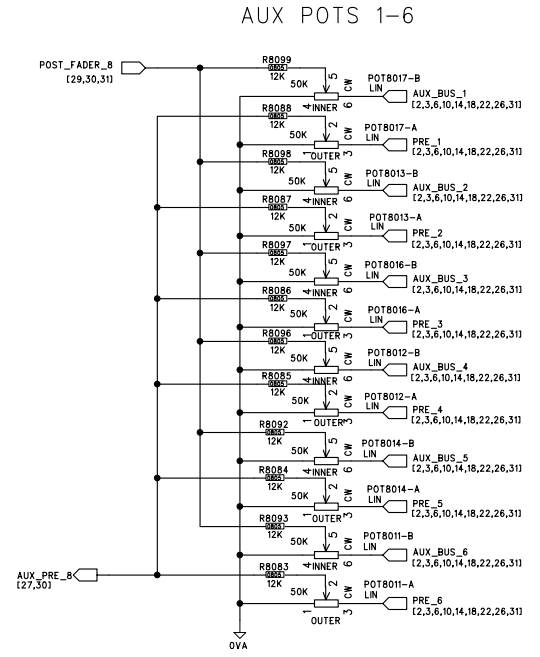
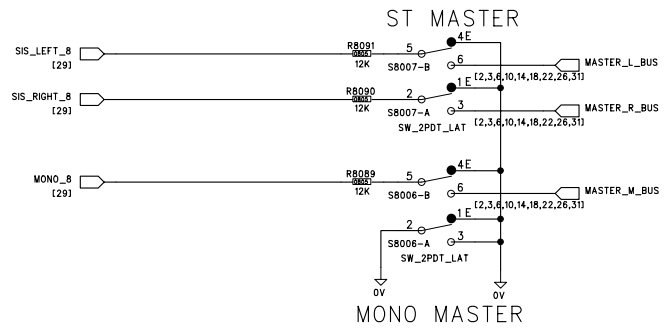
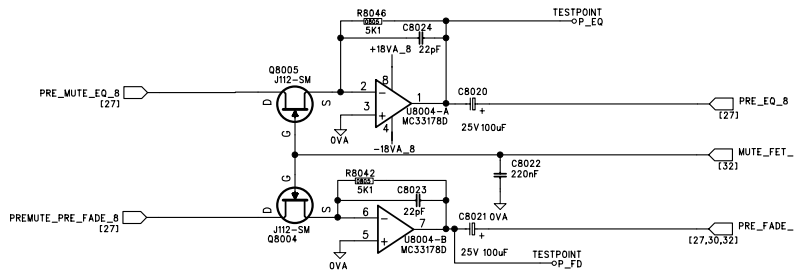
FOR CHANGES SEE ECW4280
AMENDMENTS

1.1 AA 31-10-03
ISS. INIT. DATE.



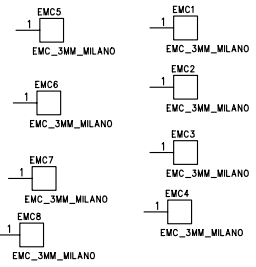
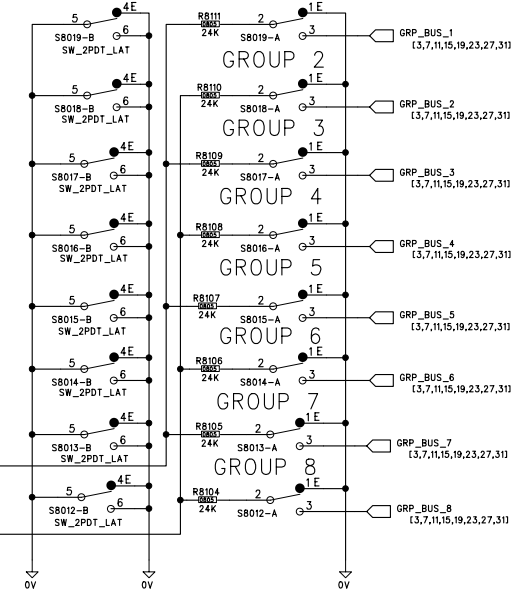
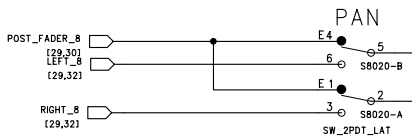
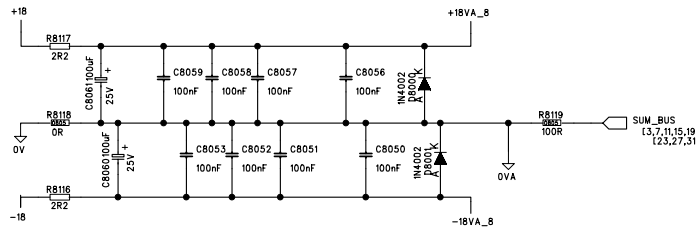
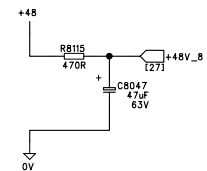
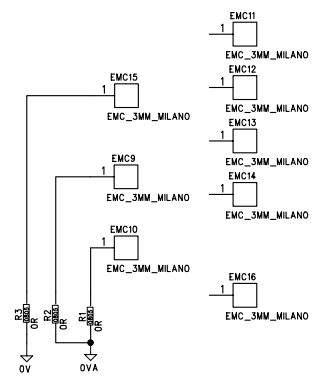
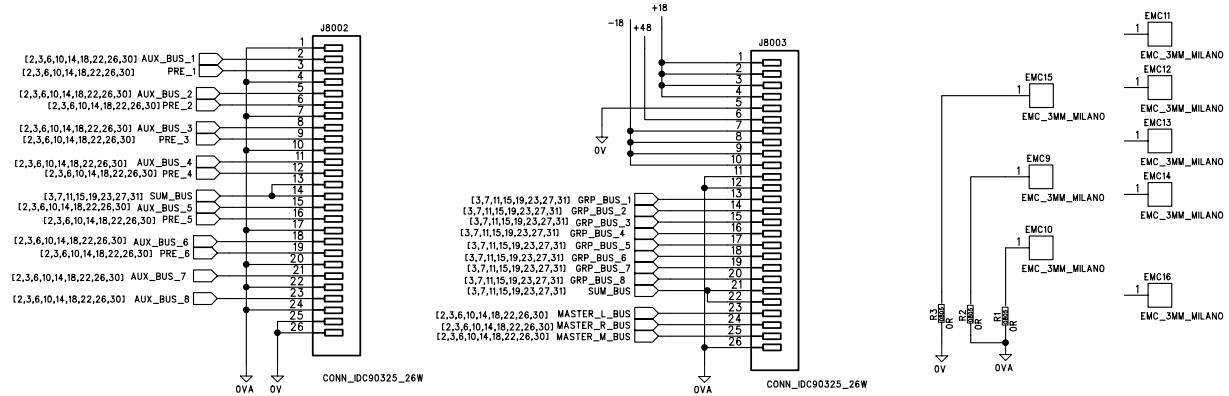
FOR CHANGES SEE ECN4280	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

UNIT: VERONA	MIDAS AUDIO		
TITLE: MONO FADER	DRAWN: AC	DATE: 03-08-03	SHEET: 28 OF 32
BOARD No. V0003 BOARD Iss. 1	CHECKED:	DRG No. PCX-V0003-1.1.SCH	



FOR CHANGES SEE ECN4280	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

UNIT: VERONA	MIDAS AUDIO		
TITLE: MONO FADER	DRAWN: AC	DATE: 03-08-03	SHEET: 30 OF 32
BOARD No. V0003 BOARD Iss. 1	CHECKED:	DRG No. PCX-V0003-1.1.SCH	



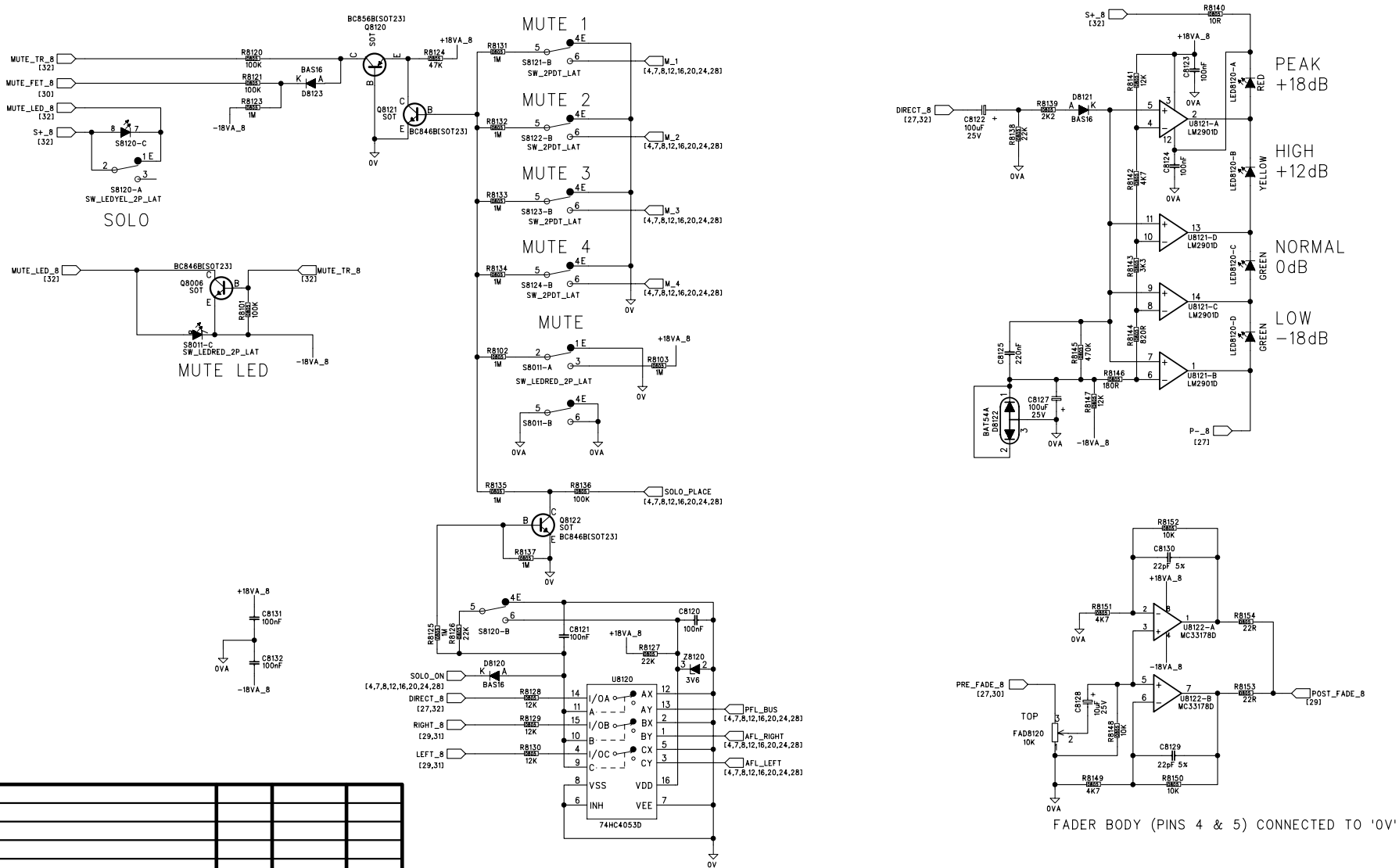
FOR CHANGES SEE ECN4280	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

UNIT: VERONA

MIDAS AUDIO

TITLE: MONO FADER DRAWN: AC DATE: 03-08-03 SHEET: 31 OF 32

BOARD No. V0003 BOARD Iss. 1 CHECKED: DRG No. PCX-V0003-1.1.SCH



FOR CHANGES SEE ECN4280	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

UNIT: VERONA	MIDAS AUDIO		
TITLE: MONO FADER	DRAWN: AC	DATE: 03-08-03	SHEET: 32 OF 32
BOARD No. V0003 BOARD Iss. 1	CHECKED:	DRG No. PCX-V0003-1.1.SCH	

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
1A	Bottom	B11
1B	Top	B8
1C	Bottom	A7
1D	Top	A7
1E	Bottom	B8
1F	Bottom	A7
5A	Bottom	C11
5B	Top	C8
5C	Bottom	B7
5D	Top	B7
5E	Bottom	C8
5F	Bottom	B7
9A	Bottom	D11
9B	Top	D8
9C	Bottom	C7
9D	Top	C7
9E	Bottom	D8
9F	Bottom	C7
13A	Bottom	E11
13B	Top	E8
13C	Bottom	D7
13D	Top	D7
13E	Bottom	E8
13F	Bottom	E7
17A	Bottom	F11
17B	Top	F8
17C	Bottom	E7
17D	Top	E7
17E	Bottom	F8
17F	Bottom	F7
21A	Bottom	G11
21B	Top	G8
21C	Bottom	G7
21D	Top	F7
21E	Bottom	G8
21F	Bottom	G7
25A	Bottom	H11
25B	Top	H8
25C	Top	H7
25D	Bottom	H7
25E	Bottom	H8
25F	Bottom	H7
29A	Bottom	I11
29B	Top	I8
29C	Bottom	I7
29D	Top	I7
29E	Bottom	I8
29F	Bottom	I7
C1020	Top	A16
C1021	Top	A15
C1022	Bottom	B15
C1023	Bottom	A15
C1024	Bottom	B16
C1043	Bottom	A8
C1044	Bottom	B8

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
C1045	Top	B7
C1046	Bottom	A7
C1047	Top	A12
C1050	Bottom	B15
C1051	Bottom	A11
C1052	Bottom	A6
C1053	Bottom	A8
C1056	Bottom	A16
C1057	Bottom	A11
C1058	Bottom	A6
C1059	Bottom	A8
C1060	Top	A11
C1061	Top	A11
C1120	Bottom	A4
C1121	Bottom	A3
C1122	Top	B5
C1123	Bottom	A5
C1124	Bottom	A5
C1125	Bottom	A4
C1127	Top	B4
C1128	Top	A1
C1129	Bottom	A2
C1130	Bottom	A2
C1131	Bottom	A2
C1132	Bottom	A2
C2020	Top	B16
C2021	Top	B15
C2022	Bottom	C15
C2023	Bottom	C15
C2024	Bottom	C16
C2043	Bottom	B8
C2044	Bottom	C8
C2045	Top	C7
C2046	Bottom	B7
C2047	Top	B13
C2050	Bottom	C15
C2051	Bottom	B11
C2052	Bottom	B6
C2053	Bottom	B8
C2056	Bottom	B16
C2057	Bottom	B11
C2058	Bottom	B6
C2059	Bottom	C8
C2060	Top	B11
C2061	Top	B11
C2120	Bottom	B4
C2121	Bottom	B3
C2122	Top	C5
C2123	Bottom	C5
C2124	Bottom	B5
C2125	Bottom	B4
C2127	Top	C4
C2128	Top	B1
C2129	Bottom	B2
C2130	Bottom	B2

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
C2131	Bottom	B2
C2132	Bottom	B2
C3020	Top	C16
C3021	Top	C15
C3022	Bottom	D15
C3023	Bottom	D15
C3024	Bottom	D16
C3043	Bottom	C8
C3044	Bottom	D8
C3045	Top	D7
C3046	Bottom	C7
C3047	Top	C13
C3050	Bottom	D15
C3051	Bottom	C11
C3052	Bottom	C6
C3053	Bottom	C8
C3056	Bottom	C16
C3057	Bottom	C11
C3058	Bottom	C6
C3059	Bottom	D8
C3060	Top	C11
C3061	Top	C11
C3120	Bottom	C4
C3121	Bottom	C3
C3122	Top	D5
C3123	Bottom	D5
C3124	Bottom	C5
C3125	Bottom	C4
C3127	Top	D4
C3128	Top	C1
C3129	Bottom	C2
C3130	Bottom	D2
C3131	Bottom	C2
C3132	Bottom	D2
C4020	Top	D16
C4021	Top	D15
C4022	Bottom	E15
C4023	Bottom	E15
C4024	Bottom	E16
C4043	Bottom	D8
C4044	Bottom	E8
C4045	Top	E7
C4046	Bottom	D7
C4047	Top	D13
C4050	Bottom	E15
C4051	Bottom	D11
C4052	Bottom	D6
C4053	Bottom	E8
C4056	Bottom	E16
C4057	Bottom	D11
C4058	Bottom	D6
C4059	Bottom	E8
C4060	Top	E11
C4061	Top	D11
C4120	Bottom	D4

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
C4121	Bottom	D3
C4122	Top	E5
C4123	Bottom	E5
C4124	Bottom	E5
C4125	Bottom	D4
C4127	Top	E4
C4128	Top	D1
C4129	Bottom	D2
C4130	Bottom	E2
C4131	Bottom	D2
C4132	Bottom	E2
C5020	Top	E16
C5021	Top	E15
C5022	Bottom	F15
C5023	Bottom	F15
C5024	Bottom	F16
C5043	Bottom	E8
C5044	Bottom	F8
C5045	Top	F7
C5046	Bottom	E7
C5047	Top	E13
C5050	Bottom	F15
C5051	Bottom	E11
C5052	Bottom	F6
C5053	Bottom	F8
C5056	Bottom	F16
C5057	Bottom	E11
C5058	Bottom	E6
C5059	Bottom	F8
C5060	Top	F11
C5061	Top	E11
C5120	Bottom	F4
C5121	Bottom	F3
C5122	Top	F5
C5123	Bottom	F5
C5124	Bottom	F5
C5125	Bottom	E4
C5127	Top	F4
C5128	Top	E1
C5129	Bottom	E2
C5130	Bottom	F2
C5131	Bottom	F2
C5132	Bottom	F2
C6020	Top	F16
C6021	Top	F15
C6022	Bottom	G15
C6023	Bottom	G15
C6024	Bottom	G16
C6043	Bottom	G8
C6044	Bottom	G8
C6045	Top	G7
C6046	Bottom	G7
C6047	Top	F13
C6050	Bottom	G15
C6051	Bottom	G11

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
C6052	Bottom	G6
C6053	Bottom	G8
C6056	Bottom	G16
C6057	Bottom	F11
C6058	Bottom	F6
C6059	Bottom	G8
C6060	Top	G11
C6061	Top	F11
C6120	Bottom	G4
C6121	Bottom	G3
C6122	Top	G5
C6123	Bottom	G5
C6124	Bottom	G5
C6125	Bottom	G4
C6127	Top	G4
C6128	Top	F1
C6129	Bottom	F2
C6130	Bottom	G2
C6131	Bottom	G2
C6132	Bottom	G2
C7020	Top	H16
C7021	Top	H15
C7022	Bottom	H15
C7023	Bottom	H15
C7024	Bottom	H16
C7043	Bottom	H8
C7044	Bottom	H8
C7045	Top	H7
C7046	Bottom	H7
C7047	Top	H13
C7050	Bottom	H15
C7051	Bottom	H11
C7052	Bottom	H6
C7053	Bottom	H8
C7056	Bottom	H16
C7057	Bottom	H11
C7058	Bottom	H6
C7059	Bottom	H8
C7060	Top	H11
C7061	Top	H11
C7120	Bottom	H4
C7121	Bottom	H3
C7122	Top	H5
C7123	Bottom	H5
C7124	Bottom	H5
C7125	Bottom	H4
C7127	Top	H4
C7128	Top	G1
C7129	Bottom	H2
C7130	Bottom	H2
C7131	Bottom	H2
C7132	Bottom	H2
C8020	Top	I16
C8021	Top	I15
C8022	Bottom	J15

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
C8023	Bottom	I15
C8024	Bottom	J16
C8043	Bottom	I8
C8044	Bottom	I8
C8045	Top	I7
C8046	Bottom	I7
C8047	Top	I13
C8050	Bottom	J15
C8051	Bottom	I11
C8052	Bottom	I6
C8053	Bottom	I8
C8056	Bottom	I16
C8057	Bottom	I11
C8058	Bottom	I6
C8059	Bottom	I8
C8060	Top	I11
C8061	Top	I11
C8120	Bottom	I4
C8121	Bottom	I3
C8122	Top	I5
C8123	Bottom	I5
C8124	Bottom	I5
C8125	Bottom	I4
C8127	Top	I4
C8128	Top	H1
C8129	Bottom	I2
C8130	Bottom	I2
C8131	Bottom	I2
C8132	Bottom	I2
CON1	Top	B16
CON2	Top	D16
CON3	Top	F16
CON4	Top	H16
CON100	Top	A3
CON101	Top	J3
D1000	Top	A15
D1001	Top	A14
D1120	Bottom	A3
D1121	Bottom	A5
D1122	Bottom	A4
D1123	Bottom	A5
D2000	Top	B15
D2001	Top	B14
D2120	Bottom	B3
D2121	Bottom	B5
D2122	Bottom	B4
D2123	Bottom	B5
D3000	Top	C15
D3001	Top	C14
D3120	Bottom	C3
D3121	Bottom	D5
D3122	Bottom	C4
D3123	Bottom	C5
D4000	Top	D15
D4001	Top	D14

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
D4120	Bottom	D3
D4121	Bottom	E5
D4122	Bottom	D4
D4123	Bottom	D5
D5000	Top	E15
D5001	Top	E14
D5120	Bottom	F3
D5121	Bottom	F5
D5122	Bottom	F4
D5123	Bottom	E5
D6000	Top	G15
D6001	Top	G14
D6120	Bottom	G3
D6121	Bottom	G5
D6122	Bottom	G4
D6123	Bottom	G5
D7000	Top	H15
D7001	Top	H14
D7120	Bottom	H3
D7121	Bottom	H5
D7122	Bottom	H4
D7123	Bottom	H5
D8000	Top	I15
D8001	Top	I14
D8120	Bottom	I3
D8121	Bottom	I5
D8122	Bottom	I4
D8123	Bottom	I5
EMC1	Top	E16
EMC2	Top	G16
EMC3	Top	J16
EMC4	Top	A16
EMC5	Top	B1
EMC6	Top	D1
EMC7	Top	G1
EMC8	Top	I1
EMC9	Top	J13
EMC10	Top	A13
EMC11	Top	A6
EMC12	Top	C6
EMC13	Top	E6
EMC14	Top	G6
EMC15	Top	J6
EMC16	Top	C16
FAD1120	Top	A3
FAD2120	Top	B3
FAD3120	Top	C3
FAD4120	Top	D3
FAD5120	Top	F3
FAD6120	Top	G3
FAD7120	Top	H3
FAD8120	Top	I3
FID1	Bottom	A16
FID2	Bottom	A1
FID3	Bottom	J1

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
FID4	Top	A15
FID5	Top	A2
FID6	Top	J1
J1001	Top	A14
J1002	Top	A9
J8002	Top	J14
J8003	Top	J9
LED1120	Top	B5
LED2120	Top	C5
LED3120	Top	D5
LED4120	Top	E5
LED5120	Top	F5
LED6120	Top	G5
LED7120	Top	H5
LED8120	Top	I5
LK1004	Top	A12
LK1005	Top	A11
LK2004	Top	B12
LK2005	Top	B11
LK3004	Top	D12
LK3005	Top	D11
LK4004	Top	E12
LK4005	Top	E11
LK5004	Top	F12
LK5005	Top	F11
LK6004	Top	G12
LK6005	Top	G11
LK7004	Top	H12
LK7005	Top	H11
LK8004	Top	I12
LK8005	Top	I11
POT1010	Top	A8
POT1011	Top	A12
POT1012	Top	A13
POT1013	Top	A15
POT1014	Top	A13
POT1015	Top	B11
POT1016	Top	A14
POT1017	Top	A16
POT1018	Top	B11
POT2010	Top	B8
POT2011	Top	C12
POT2012	Top	C13
POT2013	Top	C15
POT2014	Top	C13
POT2015	Top	C11
POT2016	Top	C14
POT2017	Top	C16
POT2018	Top	C11
POT3010	Top	D8
POT3011	Top	D12
POT3012	Top	D13
POT3013	Top	D15
POT3014	Top	D13
POT3015	Top	D11

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
POT3016	Top	D14
POT3017	Top	D16
POT3018	Top	D11
POT4010	Top	E8
POT4011	Top	E12
POT4012	Top	E13
POT4013	Top	E15
POT4014	Top	E13
POT4015	Top	E11
POT4016	Top	E14
POT4017	Top	E16
POT4018	Top	E11
POT5010	Top	F8
POT5011	Top	F12
POT5012	Top	F13
POT5013	Top	F15
POT5014	Top	F13
POT5015	Top	F11
POT5016	Top	F14
POT5017	Top	F16
POT5018	Top	F11
POT6010	Top	G8
POT6011	Top	G12
POT6012	Top	G13
POT6013	Top	G15
POT6014	Top	G13
POT6015	Top	G11
POT6016	Top	G14
POT6017	Top	G16
POT6018	Top	G11
POT7010	Top	H8
POT7011	Top	H12
POT7012	Top	H13
POT7013	Top	H15
POT7014	Top	H13
POT7015	Top	H11
POT7016	Top	H14
POT7017	Top	H16
POT7018	Top	H11
POT8010	Top	I8
POT8011	Top	I12
POT8012	Top	I13
POT8013	Top	I15
POT8014	Top	I13
POT8015	Top	I11
POT8016	Top	I14
POT8017	Top	I16
POT8018	Top	I11
Q1004	Bottom	B16
Q1005	Bottom	B16
Q1006	Bottom	A7
Q1120	Bottom	A5
Q1121	Bottom	A5
Q1122	Bottom	B3
Q2004	Bottom	C16

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
Q2005	Bottom	C16
Q2006	Bottom	C7
Q2120	Bottom	B5
Q2121	Bottom	B5
Q2122	Bottom	C3
Q3004	Bottom	D16
Q3005	Bottom	D16
Q3006	Bottom	D7
Q3120	Bottom	D5
Q3121	Bottom	D5
Q3122	Bottom	D3
Q4004	Bottom	E16
Q4005	Bottom	E16
Q4006	Bottom	E7
Q4120	Bottom	E5
Q4121	Bottom	E5
Q4122	Bottom	E3
Q5004	Bottom	F16
Q5005	Bottom	F16
Q5006	Bottom	F7
Q5120	Bottom	F5
Q5121	Bottom	F5
Q5122	Bottom	F3
Q6004	Bottom	G16
Q6005	Bottom	G16
Q6006	Bottom	G7
Q6120	Bottom	G5
Q6121	Bottom	G5
Q6122	Bottom	G3
Q7004	Bottom	H16
Q7005	Bottom	H16
Q7006	Bottom	H7
Q7120	Bottom	H5
Q7121	Bottom	H5
Q7122	Bottom	H3
Q8004	Bottom	J16
Q8005	Bottom	I16
Q8006	Bottom	I7
Q8120	Bottom	I5
Q8121	Bottom	I5
Q8122	Bottom	I3
R1	Bottom	A12
R2	Bottom	J12
R3	Bottom	J6
R1042	Bottom	A15
R1046	Bottom	B16
R1070	Bottom	A8
R1071	Bottom	A8
R1072	Bottom	A8
R1073	Bottom	A8
R1074	Bottom	B8
R1075	Bottom	B8
R1076	Bottom	B8
R1077	Bottom	B8
R1078	Bottom	A7

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R1079	Bottom	B8
R1080	Bottom	A8
R1081	Bottom	A7
R1082	Bottom	A7
R1083	Bottom	A12
R1084	Bottom	A13
R1085	Bottom	A14
R1086	Bottom	A14
R1087	Bottom	A15
R1088	Bottom	A16
R1089	Bottom	A8
R1090	Bottom	A8
R1091	Bottom	A8
R1092	Bottom	A13
R1093	Bottom	A12
R1094	Bottom	B11
R1095	Bottom	B11
R1096	Bottom	A13
R1097	Bottom	A14
R1098	Bottom	A15
R1099	Bottom	A16
R1101	Bottom	B7
R1102	Bottom	B7
R1103	Bottom	B7
R1104	Bottom	A9
R1105	Bottom	A9
R1106	Bottom	A9
R1107	Bottom	A9
R1108	Bottom	A10
R1109	Bottom	A10
R1110	Bottom	A10
R1111	Bottom	A10
R1115	Top	A10
R1116	Top	A10
R1117	Top	A10
R1118	Bottom	A12
R1119	Bottom	A12
R1120	Bottom	A5
R1121	Bottom	A6
R1123	Bottom	A5
R1124	Bottom	A5
R1125	Bottom	A6
R1126	Bottom	A6
R1127	Bottom	A4
R1128	Bottom	B4
R1129	Bottom	A3
R1130	Bottom	A3
R1131	Bottom	B3
R1132	Bottom	B2
R1133	Bottom	B2
R1134	Bottom	B1
R1135	Bottom	B3
R1136	Bottom	B3
R1137	Bottom	B4
R1138	Bottom	B5

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R1139	Bottom	B5
R1140	Bottom	B6
R1141	Bottom	B4
R1142	Bottom	B4
R1143	Bottom	B4
R1144	Bottom	B4
R1145	Bottom	A5
R1146	Bottom	A4
R1147	Bottom	A5
R1148	Bottom	A2
R1149	Bottom	A2
R1150	Bottom	A2
R1151	Bottom	A1
R1152	Bottom	A2
R1153	Bottom	A2
R1154	Bottom	A2
R2042	Bottom	C15
R2046	Bottom	C16
R2070	Bottom	B8
R2071	Bottom	B8
R2072	Bottom	B8
R2073	Bottom	B8
R2074	Bottom	C8
R2075	Bottom	C8
R2076	Bottom	C8
R2077	Bottom	C8
R2078	Bottom	B7
R2079	Bottom	C8
R2080	Bottom	B8
R2081	Bottom	B7
R2082	Bottom	B7
R2083	Bottom	B12
R2084	Bottom	B13
R2085	Bottom	B14
R2086	Bottom	B14
R2087	Bottom	B15
R2088	Bottom	B16
R2089	Bottom	B8
R2090	Bottom	B8
R2091	Bottom	C8
R2092	Bottom	B13
R2093	Bottom	B12
R2094	Bottom	C11
R2095	Bottom	C11
R2096	Bottom	B13
R2097	Bottom	B14
R2098	Bottom	B15
R2099	Bottom	B16
R2101	Bottom	C7
R2102	Bottom	C7
R2103	Bottom	C7
R2104	Bottom	C9
R2105	Bottom	B9
R2106	Bottom	C9
R2107	Bottom	B9

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R2108	Bottom	C10
R2109	Bottom	B10
R2110	Bottom	C10
R2111	Bottom	B10
R2115	Top	B10
R2116	Top	B10
R2117	Top	B10
R2118	Bottom	B12
R2119	Bottom	B12
R2120	Bottom	B5
R2121	Bottom	B6
R2123	Bottom	B5
R2124	Bottom	B5
R2125	Bottom	B6
R2126	Bottom	B6
R2127	Bottom	B4
R2128	Bottom	C4
R2129	Bottom	B3
R2130	Bottom	B3
R2131	Bottom	C3
R2132	Bottom	C2
R2133	Bottom	C2
R2134	Bottom	C1
R2135	Bottom	C3
R2136	Bottom	C3
R2137	Bottom	C4
R2138	Bottom	C5
R2139	Bottom	C5
R2140	Bottom	C6
R2141	Bottom	C4
R2142	Bottom	C4
R2143	Bottom	C4
R2144	Bottom	C4
R2145	Bottom	B5
R2146	Bottom	B4
R2147	Bottom	B5
R2148	Bottom	B2
R2149	Bottom	B2
R2150	Bottom	B2
R2151	Bottom	B1
R2152	Bottom	B2
R2153	Bottom	B2
R2154	Bottom	B2
R3042	Bottom	D15
R3046	Bottom	D16
R3070	Bottom	C8
R3071	Bottom	C8
R3072	Bottom	C8
R3073	Bottom	C8
R3074	Bottom	D8
R3075	Bottom	D8
R3076	Bottom	D8
R3077	Bottom	D8
R3078	Bottom	C7
R3079	Bottom	D8

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R3080	Bottom	C8
R3081	Bottom	C7
R3082	Bottom	C7
R3083	Bottom	D12
R3084	Bottom	D13
R3085	Bottom	C14
R3086	Bottom	D14
R3087	Bottom	C15
R3088	Bottom	C16
R3089	Bottom	D8
R3090	Bottom	C8
R3091	Bottom	D8
R3092	Bottom	D13
R3093	Bottom	D12
R3094	Bottom	D11
R3095	Bottom	D11
R3096	Bottom	C13
R3097	Bottom	D14
R3098	Bottom	C15
R3099	Bottom	C16
R3101	Bottom	D7
R3102	Bottom	D7
R3103	Bottom	D7
R3104	Bottom	D9
R3105	Bottom	C9
R3106	Bottom	D9
R3107	Bottom	C9
R3108	Bottom	D10
R3109	Bottom	C10
R3110	Bottom	D10
R3111	Bottom	C10
R3115	Top	C10
R3116	Top	C10
R3117	Top	C10
R3118	Bottom	C12
R3119	Bottom	C12
R3120	Bottom	D5
R3121	Bottom	C6
R3123	Bottom	C5
R3124	Bottom	D5
R3125	Bottom	D6
R3126	Bottom	D6
R3127	Bottom	C4
R3128	Bottom	D4
R3129	Bottom	C3
R3130	Bottom	C3
R3131	Bottom	D3
R3132	Bottom	D2
R3133	Bottom	D2
R3134	Bottom	D1
R3135	Bottom	D3
R3136	Bottom	D3
R3137	Bottom	D4
R3138	Bottom	D5
R3139	Bottom	D5

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R3140	Bottom	D6
R3141	Bottom	D4
R3142	Bottom	D4
R3143	Bottom	D4
R3144	Bottom	D4
R3145	Bottom	C5
R3146	Bottom	C4
R3147	Bottom	C5
R3148	Bottom	C2
R3149	Bottom	C2
R3150	Bottom	C2
R3151	Bottom	D1
R3152	Bottom	D2
R3153	Bottom	C2
R3154	Bottom	C2
R4042	Bottom	E15
R4046	Bottom	E16
R4070	Bottom	D8
R4071	Bottom	D8
R4072	Bottom	D8
R4073	Bottom	D8
R4074	Bottom	E8
R4075	Bottom	E8
R4076	Bottom	E8
R4077	Bottom	E8
R4078	Bottom	D7
R4079	Bottom	E8
R4080	Bottom	D8
R4081	Bottom	E7
R4082	Bottom	E7
R4083	Bottom	E12
R4084	Bottom	E13
R4085	Bottom	E14
R4086	Bottom	E14
R4087	Bottom	E15
R4088	Bottom	E16
R4089	Bottom	E8
R4090	Bottom	E8
R4091	Bottom	E8
R4092	Bottom	E13
R4093	Bottom	E12
R4094	Bottom	E11
R4095	Bottom	E11
R4096	Bottom	E13
R4097	Bottom	E14
R4098	Bottom	E15
R4099	Bottom	E16
R4101	Bottom	E7
R4102	Bottom	E7
R4103	Bottom	E7
R4104	Bottom	E9
R4105	Bottom	E9
R4106	Bottom	E9
R4107	Bottom	E9
R4108	Bottom	E10

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R4109	Bottom	E10
R4110	Bottom	E10
R4111	Bottom	E10
R4115	Top	D10
R4116	Top	E10
R4117	Top	D10
R4118	Bottom	D12
R4119	Bottom	D12
R4120	Bottom	E5
R4121	Bottom	D6
R4123	Bottom	D5
R4124	Bottom	E5
R4125	Bottom	E6
R4126	Bottom	E6
R4127	Bottom	D4
R4128	Bottom	E4
R4129	Bottom	D3
R4130	Bottom	D3
R4131	Bottom	E3
R4132	Bottom	E2
R4133	Bottom	E2
R4134	Bottom	E1
R4135	Bottom	E3
R4136	Bottom	E3
R4137	Bottom	E4
R4138	Bottom	E5
R4139	Bottom	E5
R4140	Bottom	E6
R4141	Bottom	E4
R4142	Bottom	E4
R4143	Bottom	E4
R4144	Bottom	E4
R4145	Bottom	D5
R4146	Bottom	D4
R4147	Bottom	D5
R4148	Bottom	D2
R4149	Bottom	D2
R4150	Bottom	D2
R4151	Bottom	E1
R4152	Bottom	E2
R4153	Bottom	D2
R4154	Bottom	D2
R5042	Bottom	F15
R5046	Bottom	F16
R5070	Bottom	E8
R5071	Bottom	E8
R5072	Bottom	E8
R5073	Bottom	E8
R5074	Bottom	F8
R5075	Bottom	F8
R5076	Bottom	F8
R5077	Bottom	F8
R5078	Bottom	E7
R5079	Bottom	F8
R5080	Bottom	E8

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R5081	Bottom	F7
R5082	Bottom	F7
R5083	Bottom	F12
R5084	Bottom	F13
R5085	Bottom	F14
R5086	Bottom	F14
R5087	Bottom	F15
R5088	Bottom	F16
R5089	Bottom	F8
R5090	Bottom	F8
R5091	Bottom	F8
R5092	Bottom	F13
R5093	Bottom	F12
R5094	Bottom	F11
R5095	Bottom	F11
R5096	Bottom	F13
R5097	Bottom	F14
R5098	Bottom	F15
R5099	Bottom	F16
R5101	Bottom	F7
R5102	Bottom	F7
R5103	Bottom	F7
R5104	Bottom	F9
R5105	Bottom	F9
R5106	Bottom	F9
R5107	Bottom	F9
R5108	Bottom	F10
R5109	Bottom	F10
R5110	Bottom	F10
R5111	Bottom	F10
R5115	Top	E10
R5116	Top	F10
R5117	Top	F10
R5118	Bottom	E12
R5119	Bottom	E12
R5120	Bottom	F5
R5121	Bottom	F6
R5123	Bottom	F5
R5124	Bottom	F5
R5125	Bottom	F6
R5126	Bottom	F6
R5127	Bottom	F4
R5128	Bottom	F4
R5129	Bottom	F3
R5130	Bottom	F3
R5131	Bottom	F3
R5132	Bottom	F2
R5133	Bottom	F2
R5134	Bottom	F1
R5135	Bottom	F3
R5136	Bottom	F3
R5137	Bottom	F4
R5138	Bottom	F5
R5139	Bottom	F5
R5140	Bottom	F6

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R5141	Bottom	F4
R5142	Bottom	F4
R5143	Bottom	F4
R5144	Bottom	F4
R5145	Bottom	F5
R5146	Bottom	F4
R5147	Bottom	F5
R5148	Bottom	E2
R5149	Bottom	E2
R5150	Bottom	E2
R5151	Bottom	F1
R5152	Bottom	F2
R5153	Bottom	F2
R5154	Bottom	F2
R6042	Bottom	G15
R6046	Bottom	G16
R6070	Bottom	G8
R6071	Bottom	G8
R6072	Bottom	G8
R6073	Bottom	G8
R6074	Bottom	G8
R6075	Bottom	G8
R6076	Bottom	G8
R6077	Bottom	G8
R6078	Bottom	G7
R6079	Bottom	G8
R6080	Bottom	G8
R6081	Bottom	G7
R6082	Bottom	G7
R6083	Bottom	G12
R6084	Bottom	G13
R6085	Bottom	G14
R6086	Bottom	G14
R6087	Bottom	G15
R6088	Bottom	G16
R6089	Bottom	G8
R6090	Bottom	G8
R6091	Bottom	G8
R6092	Bottom	G13
R6093	Bottom	G12
R6094	Bottom	G11
R6095	Bottom	G11
R6096	Bottom	G13
R6097	Bottom	G14
R6098	Bottom	G15
R6099	Bottom	G16
R6101	Bottom	G7
R6102	Bottom	G7
R6103	Bottom	G7
R6104	Bottom	G9
R6105	Bottom	G9
R6106	Bottom	G9
R6107	Bottom	G9
R6108	Bottom	G10
R6109	Bottom	G10

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R6110	Bottom	G10
R6111	Bottom	G10
R6115	Top	G10
R6116	Top	G10
R6117	Top	G10
R6118	Bottom	G12
R6119	Bottom	G12
R6120	Bottom	G5
R6121	Bottom	G6
R6123	Bottom	G5
R6124	Bottom	G5
R6125	Bottom	G6
R6126	Bottom	G6
R6127	Bottom	G4
R6128	Bottom	G4
R6129	Bottom	G3
R6130	Bottom	G3
R6131	Bottom	G3
R6132	Bottom	G2
R6133	Bottom	G2
R6134	Bottom	G1
R6135	Bottom	G3
R6136	Bottom	G3
R6137	Bottom	G4
R6138	Bottom	G5
R6139	Bottom	G5
R6140	Bottom	G6
R6141	Bottom	G4
R6142	Bottom	G4
R6143	Bottom	G4
R6144	Bottom	G4
R6145	Bottom	G5
R6146	Bottom	G4
R6147	Bottom	G5
R6148	Bottom	F2
R6149	Bottom	F2
R6150	Bottom	F2
R6151	Bottom	G1
R6152	Bottom	G2
R6153	Bottom	G2
R6154	Bottom	G2
R7042	Bottom	H15
R7046	Bottom	H16
R7070	Bottom	H8
R7071	Bottom	H8
R7072	Bottom	H8
R7073	Bottom	H8
R7074	Bottom	H8
R7075	Bottom	H8
R7076	Bottom	H8
R7077	Bottom	H8
R7078	Bottom	H7
R7079	Bottom	H8
R7080	Bottom	H8
R7081	Bottom	H7

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R7082	Bottom	H7
R7083	Bottom	H12
R7084	Bottom	H13
R7085	Bottom	H14
R7086	Bottom	H14
R7087	Bottom	H15
R7088	Bottom	H16
R7089	Bottom	H8
R7090	Bottom	H8
R7091	Bottom	H8
R7092	Bottom	H13
R7093	Bottom	H12
R7094	Bottom	H11
R7095	Bottom	H11
R7096	Bottom	H13
R7097	Bottom	H14
R7098	Bottom	H15
R7099	Bottom	H16
R7101	Bottom	H7
R7102	Bottom	H7
R7103	Bottom	H7
R7104	Bottom	H9
R7105	Bottom	H9
R7106	Bottom	H9
R7107	Bottom	H9
R7108	Bottom	H10
R7109	Bottom	H10
R7110	Bottom	H10
R7111	Bottom	H10
R7115	Top	H10
R7116	Top	H10
R7117	Top	H10
R7118	Bottom	H12
R7119	Bottom	H12
R7120	Bottom	H5
R7121	Bottom	H6
R7123	Bottom	H5
R7124	Bottom	H5
R7125	Bottom	H6
R7126	Bottom	H6
R7127	Bottom	H4
R7128	Bottom	H4
R7129	Bottom	H3
R7130	Bottom	H3
R7131	Bottom	H3
R7132	Bottom	H2
R7133	Bottom	H2
R7134	Bottom	H1
R7135	Bottom	H3
R7136	Bottom	H3
R7137	Bottom	H4
R7138	Bottom	H5
R7139	Bottom	H5
R7140	Bottom	H6
R7141	Bottom	H4

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R7142	Bottom	H4
R7143	Bottom	H4
R7144	Bottom	H4
R7145	Bottom	H5
R7146	Bottom	H4
R7147	Bottom	H5
R7148	Bottom	H2
R7149	Bottom	H2
R7150	Bottom	H2
R7151	Bottom	H1
R7152	Bottom	H2
R7153	Bottom	H2
R7154	Bottom	H2
R8042	Bottom	I15
R8046	Bottom	J16
R8070	Bottom	I8
R8071	Bottom	I8
R8072	Bottom	I8
R8073	Bottom	I8
R8074	Bottom	I8
R8075	Bottom	I8
R8076	Bottom	I8
R8077	Bottom	I8
R8078	Bottom	I7
R8079	Bottom	I8
R8080	Bottom	I8
R8081	Bottom	I7
R8082	Bottom	I7
R8083	Bottom	I12
R8084	Bottom	I13
R8085	Bottom	I14
R8086	Bottom	I14
R8087	Bottom	I15
R8088	Bottom	I16
R8089	Bottom	I8
R8090	Bottom	I8
R8091	Bottom	I8
R8092	Bottom	I13
R8093	Bottom	I12
R8094	Bottom	I11
R8095	Bottom	I11
R8096	Bottom	I13
R8097	Bottom	I14
R8098	Bottom	I15
R8099	Bottom	I16
R8101	Bottom	I7
R8102	Bottom	I7
R8103	Bottom	I7
R8104	Bottom	I9
R8105	Bottom	I9
R8106	Bottom	I9
R8107	Bottom	I9
R8108	Bottom	I10
R8109	Bottom	I10
R8110	Bottom	I10

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R8111	Bottom	I10
R8115	Top	I10
R8116	Top	I10
R8117	Top	I10
R8118	Bottom	I12
R8119	Bottom	I12
R8120	Bottom	I5
R8121	Bottom	I6
R8123	Bottom	I5
R8124	Bottom	I5
R8125	Bottom	I6
R8126	Bottom	I6
R8127	Bottom	I4
R8128	Bottom	I4
R8129	Bottom	I3
R8130	Bottom	I3
R8131	Bottom	I3
R8132	Bottom	I2
R8133	Bottom	I2
R8134	Bottom	I1
R8135	Bottom	I3
R8136	Bottom	I3
R8137	Bottom	I4
R8138	Bottom	I5
R8139	Bottom	I5
R8140	Bottom	I6
R8141	Bottom	I4
R8142	Bottom	I4
R8143	Bottom	I4
R8144	Bottom	I4
R8145	Bottom	I5
R8146	Bottom	I4
R8147	Bottom	I5
R8148	Bottom	I2
R8149	Bottom	I2
R8150	Bottom	I2
R8151	Bottom	I1
R8152	Bottom	I2
R8153	Bottom	I2
R8154	Bottom	I2
S1005	Top	B7
S1006	Top	A8
S1007	Top	B8
S1008	Top	A11
S1010	Top	A12
S1011	Top	A7
S1012	Top	B9
S1013	Top	A9
S1014	Top	B9
S1015	Top	A9
S1016	Top	B10
S1017	Top	A10
S1018	Top	B10
S1019	Top	A10
S1020	Top	A7

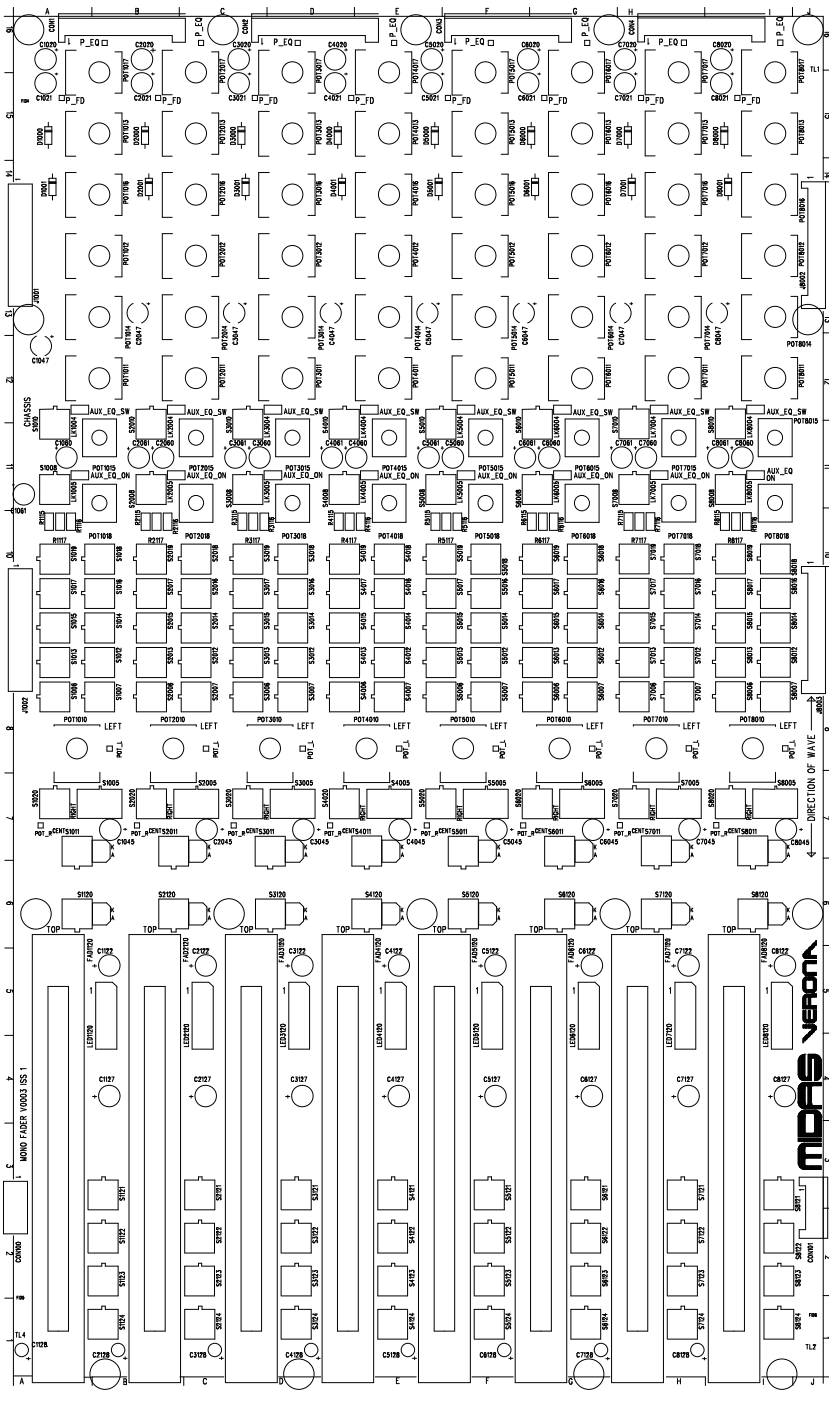
Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
S1120	Top	A6
S1121	Top	B3
S1122	Top	B2
S1123	Top	B2
S1124	Top	B1
S2005	Top	C7
S2006	Top	B8
S2007	Top	C8
S2008	Top	B11
S2010	Top	B12
S2011	Top	C7
S2012	Top	C9
S2013	Top	B9
S2014	Top	C9
S2015	Top	B9
S2016	Top	C10
S2017	Top	B10
S2018	Top	C10
S2019	Top	B10
S2020	Top	B7
S2120	Top	C6
S2121	Top	C3
S2122	Top	C2
S2123	Top	C2
S2124	Top	C1
S3005	Top	D7
S3006	Top	C8
S3007	Top	D8
S3008	Top	C11
S3010	Top	C12
S3011	Top	D7
S3012	Top	D9
S3013	Top	C9
S3014	Top	D9
S3015	Top	C9
S3016	Top	D10
S3017	Top	C10
S3018	Top	D10
S3019	Top	C10
S3020	Top	C7
S3120	Top	D6
S3121	Top	D3
S3122	Top	D2
S3123	Top	D2
S3124	Top	D1
S4005	Top	E7
S4006	Top	D8
S4007	Top	E8
S4008	Top	D11
S4010	Top	D12
S4011	Top	E7
S4012	Top	E9
S4013	Top	D9
S4014	Top	E9
S4015	Top	D9

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
S4016	Top	E10
S4017	Top	D10
S4018	Top	E10
S4019	Top	D10
S4020	Top	D7
S4120	Top	E6
S4121	Top	E3
S4122	Top	E2
S4123	Top	E2
S4124	Top	E1
S5005	Top	F7
S5006	Top	E8
S5007	Top	F8
S5008	Top	E11
S5010	Top	E12
S5011	Top	F7
S5012	Top	F9
S5013	Top	E9
S5014	Top	F9
S5015	Top	E9
S5016	Top	F10
S5017	Top	E10
S5018	Top	F10
S5019	Top	E10
S5020	Top	E7
S5120	Top	F6
S5121	Top	F3
S5122	Top	F2
S5123	Top	F2
S5124	Top	F1
S6005	Top	G7
S6006	Top	G8
S6007	Top	G8
S6008	Top	G11
S6010	Top	G12
S6011	Top	G7
S6012	Top	G9
S6013	Top	G9
S6014	Top	G9
S6015	Top	G9
S6016	Top	G10
S6017	Top	G10
S6018	Top	G10
S6019	Top	G10
S6020	Top	G7
S6120	Top	G6
S6121	Top	G3
S6122	Top	G2
S6123	Top	G2
S6124	Top	G1
S7005	Top	H7
S7006	Top	H8
S7007	Top	H8
S7008	Top	H11
S7010	Top	H12

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
S7011	Top	H7
S7012	Top	H9
S7013	Top	H9
S7014	Top	H9
S7015	Top	H9
S7016	Top	H10
S7017	Top	H10
S7018	Top	H10
S7019	Top	H10
S7020	Top	H7
S7120	Top	H6
S7121	Top	H3
S7122	Top	H2
S7123	Top	H2
S7124	Top	H1
S8005	Top	I7
S8006	Top	I8
S8007	Top	I8
S8008	Top	I11
S8010	Top	I12
S8011	Top	I7
S8012	Top	I9
S8013	Top	I9
S8014	Top	I9
S8015	Top	I9
S8016	Top	I10
S8017	Top	I10
S8018	Top	I10
S8019	Top	I10
S8020	Top	I7
S8120	Top	I6
S8121	Top	I3
S8122	Top	I2
S8123	Top	I2
S8124	Top	I1
TL1	Top	J16
TL2	Top	J1
TL3	Top	A11
TL4	Top	A1
TL6	Top	J11
TP1010	Top	B16
TP1011	Top	A15
TP2003	Top	C16
TP2004	Top	B15
TP3005	Top	D16
TP3006	Top	C15
TP4005	Top	E16
TP4006	Top	D15
TP5005	Top	F16
TP5006	Top	F15
TP6005	Top	G16
TP6006	Top	G15
TP7005	Top	H16
TP7006	Top	H15
TP8005	Top	I16

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
TP8006	Top	I15
U1000	Bottom	A7
U1004	Bottom	B16
U1006	Bottom	A8
U1120	Bottom	A3
U1121	Bottom	A4
U1122	Bottom	A2
U2000	Bottom	B7
U2004	Bottom	C16
U2006	Bottom	B8
U2120	Bottom	B3
U2121	Bottom	B4
U2122	Bottom	B2
U3000	Bottom	C7
U3004	Bottom	D16
U3006	Bottom	D8
U3120	Bottom	D3
U3121	Bottom	D4
U3122	Bottom	C2
U4000	Bottom	D7
U4004	Bottom	E16
U4006	Bottom	E8
U4120	Bottom	E3
U4121	Bottom	E4
U4122	Bottom	E2
U5000	Bottom	E7
U5004	Bottom	F16
U5006	Bottom	F8
U5120	Bottom	F3
U5121	Bottom	F4
U5122	Bottom	F2
U6000	Bottom	G7
U6004	Bottom	G16
U6006	Bottom	G8
U6120	Bottom	G3
U6121	Bottom	G4
U6122	Bottom	G2
U7000	Bottom	H7
U7004	Bottom	H16
U7006	Bottom	H8
U7120	Bottom	H3
U7121	Bottom	H4
U7122	Bottom	H2
U8000	Bottom	I7
U8004	Bottom	I16
U8006	Bottom	I8
U8120	Bottom	I3
U8121	Bottom	I4
U8122	Bottom	I2
Z1120	Bottom	A3
Z2120	Bottom	B3
Z3120	Bottom	C3
Z4120	Bottom	D3
Z5120	Bottom	F3
Z6120	Bottom	G3

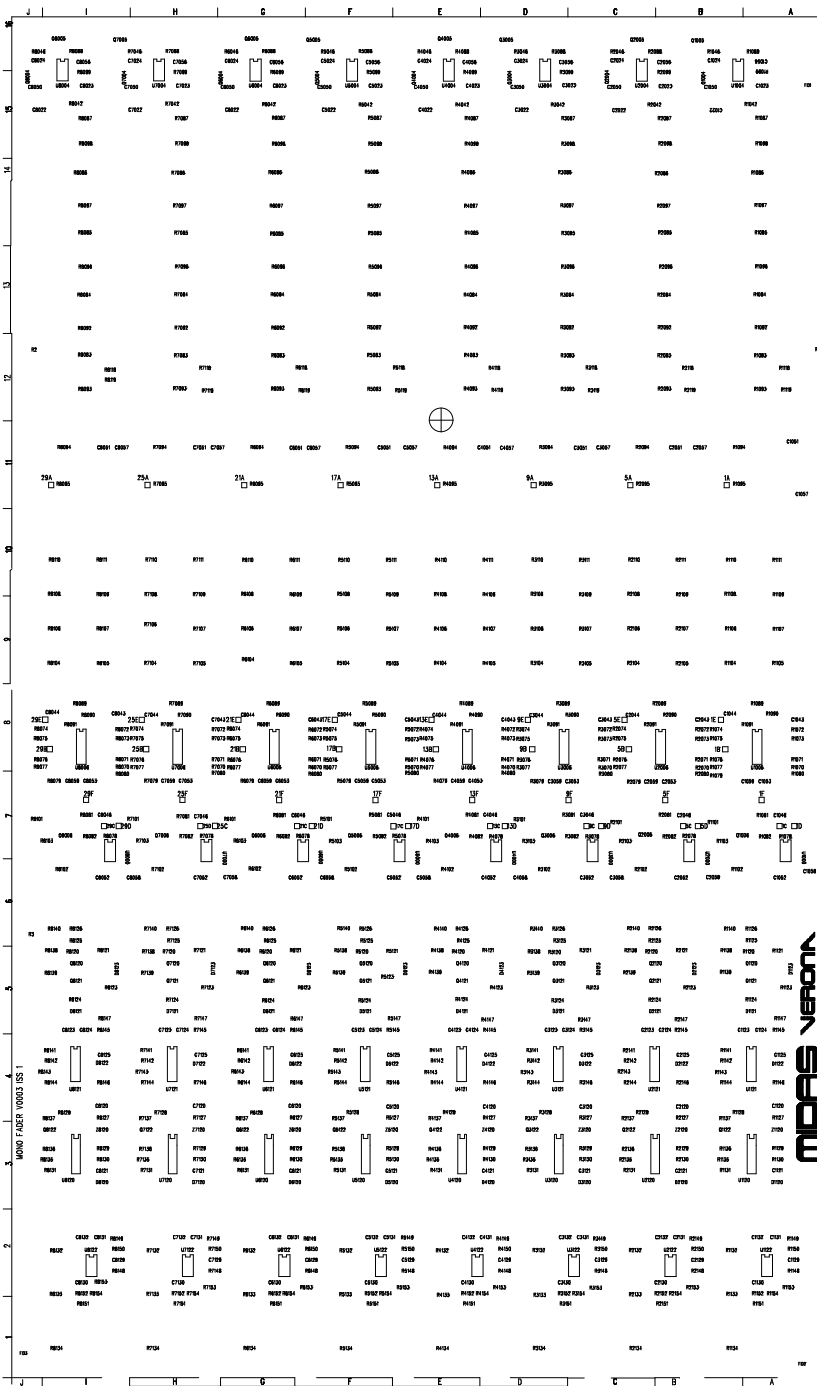
Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
Z7120	Bottom	H3
Z8120	Bottom	I3



MONO FABR V000 ISS 1

MIDAS verona

DIRECTION OF WAVE



MONO FABER WOOD ISS 1

MIDAS VERON

Part Identifier	Description	Quantity	Reference Text
Verona Mono Input Lower pcb Assembly			
ACBLX-1832-2	26W LUMBERG RIB CBLE 60MM	2J1001,J1002	
ACBLX-1834-2	10W LUMBERG RIB CBLE 60MM	1	
CAP05-K622050	220NF SMD CERAM CAP 1206	16	C1022,C1125,C2022,C2125,C3022,C3125,C4022,C4125,C5022,C5125, C6022,C6125,C7022,C7125,C8022,C8125
CAP06-GK510050	100N 0805 SMD CERMIC 10%	112	C1050,C1051,C1052,C1053,C1056,C1057, C1058,C1059,C1120,C1121,C1123,C1124, C1131,C1132, C2050,C2051,C2052,C2053,C2056,C2057, C2058,C2059,C2120,C2121,C2123,C2124, C2131,C2132, C3050,C3051,C3052,C3053,C3056,C3057, C3058,C3059,C3120,C3121,C3123,C3124, C3131,C3132, C4050,C4051,C4052,C4053,C4056,C4057, C4058,C4059,C4120,C4121,C4123,C4124, C4131,C4132, C5050,C5051,C5052,C5053,C5056,C5057, C5058,C5059,C5120,C5121,C5123,C5124, C5131,C5132, C6050,C6051,C6052,C6053,C6056,C6057, C6058,C6059,C6120,C6121,C6123,C6124, C6131,C6132, C7050,C7051,C7052,C7053,C7056,C7057, C7058,C7059,C7120,C7121,C7123,C7124, C7131,C7132, C8050,C8051,C8052,C8053,C8056,C8057, C8058,C8059,C8120,C8121,C8123,C8124, C8131,C8132,
CAP06-SJ122050	22PF SMD 0805 CERAMIC 5%	40	C1023,C1024,C1046,C1129,C1130, C2023,C2024,C2046,C2129,C2130, C3023,C3024,C3046,C3129,C3130, C4023,C4024,C4046,C4129,C4130, C5023,C5024,C5046,C5129,C5130, C6023,C6024,C6046,C6129,C6130, C7023,C7024,C7046,C7129,C7130,

Part Identifier	Description	Quantity	Reference Text
CAP06-SJ122050	22PF SMD 0805 CERAMIC 5%	40	C8023,C8024,C8046,C8129,C8130
CAP06-SJ210100	100P 0805 SMD CERAMIC 5%	16	C1043,C1044,C2043,C2044,C3043,C3044, C4043,C4044,C5043,C5044,C6043,C6044, C7043,C7044,C8043,C8044
CAP61-210025B	10UF 25V LP RADCAP 1.5MM	8	C1128,C2128,C3128,C4128,C5128,C6128,C7128,C8128
CAP63-247063A	47UF 63V RAD.ELEC.2.5MM	8	C1047,C2047,C3047,C4047,C5047,C6047,C7047,C8047
CAP63-310025B	100UF 25V LP RAD 2.5MM	56	C1020,C1021,C1045,C1060,C1061,C1122,C1127, C2020,C2021,C2045,C2060,C2061,C2122,C2127, C3020,C3021,C3045,C3060,C3061,C3122,C3127, C4020,C4021,C4045,C4060,C4061,C4122,C4127, C5020,C5021,C5045,C5060,C5061,C5122,C5127, C6020,C6021,C6045,C6060,C6061,C6122,C6127, C7020,C7021,C7045,C7060,C7061,C7122,C7127, C8020,C8021,C8045,C8060,C8061,C8122,C8127
CON01-02SMV	2WAY MALE VERT STRIP HDR	16	LK1004,LK1005,LK2000,LK2001,LK3004,LK3005, LK4004,LK4005,LK5004,LK5005,LK6004,LK6005, LK7004,LK7005,LK8004,LK8005
CON12-10MV2	10X0.050"LUMBERG HEADER	1	CON101
CON12-26MV	26X0.050"LUMBERG HEADER	6	CON1,CON2,CON3,CON4,J8002,J8003
CON59-LINKTHRO	PROG LINK	8	LK1005,LK2005,LK3005,LK4005, LK5005,LK6005,LK7005,LK8005,
PCX-V0003-1	MONO INPUT FADER PCB	1	
POT12-654B02V1	50K X 2 6MM DUAL VERTICAL	48	POT1011,POT1012,U1013,U1014,POT1016,U1017, POT2011,POT2012,U2013,U2014,POT2016,U2017, POT3011,POT3012,U3013,U3014,POT3016,U3017, POT4011,POT4012,U4013,U4014,POT4016,U4017, POT5011,POT5012,U5013,U5014,POT5016,U5017, POT6011,POT6012,U6013,U6014,POT6016,U6017, POT7011,POT7012,U7013,U7014,POT7016,U7017, POT8011,POT8012,U8013,U8014,POT8016,U8017
POT14-6241BDV1	20K 6MM D DUAL DET VERT	8	POT1010,POT2010,POT3010,POT4010, POT5010,POT6010,POT7010,POT8010
POT25-1014MA01	PANASONIC 10K MONO FADER	8	FAD1120,FAD2120,FAD3120,FAD4120, FAD5120,FAD6120,FAD7120,FAD8120
POT91-6543BV1	50K 6MM D VERT	16	POT1015,POT1018,POT2015,POT2018, POT3015,POT3018,POT4015,POT4018, POT5015,POT5018,POT6015,POT6018, POT7015,POT7018,POT8015,POT8018
RES04-0E2R20	2R2 RES.M.FILM 1% 0.4W	16	R1116,R1117,R2116,R2117,R3116,R3117, R4116,R4117,R5116,R5117,R6116,R6117, R7116,R7117,R8116,R8117

Part Identifier	Description	Quantity	Reference Text
RES04-2E4R70	470R RES.M.FILM 1% 0.4W	8	R1115,R2115,R3115,R4115, R5115,R6115,R7115,R8115
RES54-0E0R00	0R 0805 SMD 1%	11	R1,R2,R3,R1118,R2118,R3118, R4118,R5118,R6118,R7118,R8118
RES54-1E1R00	10R 0805 SMD 1%	8	R1140,R2140,R3140,R4140,R5140,R6140,R7140,R8140
RES54-1E2R20	22R 0805 SMD 1%	16	R1153,R1154,R2153,R2154,R3153,R3154, R4153,R4154,R5153,R5154,R6153,R6154, R7153,R7154,R8153,R8154
RES54-2E1R00	100R 0805 SMD 1%	8	R1119,R2119,R3119,R4119,R5119,R6119,R7119,R8119
RES54-2E1R80	180R 0805 SMD 1%	8	R1146,R2146,R3146,R4146,R5146,R6146,R7146,R8146
RES54-2E8R20	820R 0805 SMD 1%	8	R1144,R2144,R3144,R4144,R5144,R6144,R7144,R8144
RES54-3E1R00	1K 0805 SMD 1%	8	R1081,R2081,R3081,R4081,R5081,R6081,R7081,R8081
RES54-3E2R00	2K 0805 SMD 1%	8	R1082,R2082,R3082,R4082,R5082,R6082,R7082,R8082
RES54-3E2R20	2K2 0805 SMD 1%	40	R1071,R1072,R1074,R1076,R1139, R2071,R2072,R2074,R2076,R2139, R3071,R3072,R3074,R3076,R3139, R4071,R4072,R4074,R4076,R4139, R5071,R5072,R5074,R5076,R5139, R6071,R6072,R6074,R6076,R6139, R7071,R7072,R7074,R7076,R7139, R8071,R8072,R8074,R8076,R8139
RES54-3E3R30	3K3 0805 SMD 1%	40	R1070,R1073,R1075,R1077,R1143, R2070,R2073,R2075,R2077,R2143, R3070,R3073,R3075,R3077,R3143, R4070,R4073,R4075,R4077,R4143, R5070,R5073,R5075,R5077,R5143, R6070,R6073,R6075,R6077,R6143, R7070,R7073,R7075,R7077,R7143, R8070,R8073,R8075,R8077,R8143
RES54-3E4R70	4K7 0805 SMD 1%	48	R1078,R1079,R1080,R1142,R1149,R1151, R2078,R2079,R2080,R2142,R2149,R2151, R3078,R3079,R3080,R3142,R3149,R3151, R4078,R4079,R4080,R4142,R4149,R4151, R5078,R5079,R5080,R5142,R5149,R5151, R6078,R6079,R6080,R6142,R6149,R6151, R7078,R7079,R7080,R7142,R7149,R7151, R8078,R8079,R8080,R8142,R8149,R8151
RES54-3E5R10	5K1 0805 SMD 1%	16	R1042,R1046,R2042,R2046,R3042,R3046, R4042,R4046,R5042,R5046,R6042,R6046, R7042,R7046,R8042,R8046
RES54-4E1R00	10K 0805 SMD 1%	24	R1148,R1150,R1152,R2148,R2150,R2152,

Part Identifier	Description	Quantity	Reference Text
RES54-4E1R00	10K 0805 SMD 1%	24	R3148,R3150,R3152,R4148,R4150,R4152, R5148,R5150,R5152,R6148,R6150,R6152, R7148,R7150,R7152,R8148,R8150,R8152
RES54-4E1R20	12K 0805 SMD 1%	176	R1083,R1084,R1085,R1086,R1087,R1088, R1089,R1090,R1091,R1092,R1093,R1094, R1095,R1096,R1097,R1098,R1099,R1128, R1129,R1130,R1141,R1147, R2083,R2084,R2085,R2086,R2087,R2088, R2089,R2090,R2091,R2092,R2093,R2094, R2095,R2096,R2097,R2098,R2099,R2128, R2129,R2130,R2141,R2147, R3083,R3084,R3085,R3086,R3087,R3088, R3089,R3090,R3091,R3092,R3093,R3094, R3095,R3096,R3097,R3098,R3099,R3128, R3129,R3130,R3141,R3147, R4083,R4084,R4085,R4086,R4087,R4088, R4089,R4090,R4091,R4092,R4093,R4094, R4095,R4096,R4097,R4098,R4099,R4128, R4129,R4130,R4141,R4147, R5083,R5084,R5085,R5086,R5087,R5088, R5089,R5090,R5091,R5092,R5093,R5094, R5095,R5096,R5097,R5098,R5099,R5128, R5129,R5130,R5141,R5147, R6083,R6084,R6085,R6086,R6087,R6088, R6089,R6090,R6091,R6092,R6093,R6094, R6095,R6096,R6097,R6098,R6099,R6128, R6129,R6130,R6141,R6147, R7083,R7084,R7085,R7086,R7087,R7088, R7089,R7090,R7091,R7092,R7093,R7094, R7095,R7096,R7097,R7098,R7099,R7128, R7129,R7130,R7141,R7147, R8083,R8084,R8085,R8086,R8087,R8088, R8089,R8090,R8091,R8092,R8093,R8094, R8095,R8096,R8097,R8098,R8099,R8128, R8129,R8130,R8141,R8147,
RES54-4E2R20	22K 0805 SMD 1%	24	R1126,R1127,R1138,R2126,R2127,R2138, R3126,R3127,R3138,R4126,R4127,R4138, R5126,R5127,R5138,R6126,R6127,R6138, R7126,R7127,R7138,R8126,R8127,R8138
RES54-4E2R40	24K 0805 SMD 1%	64	R1104,R1105,R1106,R1107,R1108,R1109,R1110,R1111, R2104,R2105,R2106,R2107,R2108,R2109,R2110,R2111,

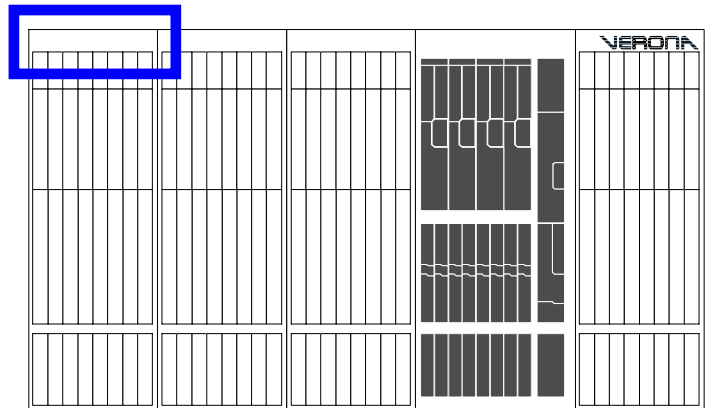
Part Identifier	Description	Quantity	Reference Text
RES54-4E2R40	24K 0805 SMD 1%	64	R3104,R3105,R3106,R3107,R3108,R3109,R3110,R3111, R4104,R4105,R4106,R4107,R4108,R4109,R4110,R4111, R5104,R5105,R5106,R5107,R5108,R5109,R5110,R5111, R6104,R6105,R6106,R6107,R6108,R6109,R6110,R6111, R7104,R7105,R7106,R7107,R7108,R7109,R7110,R7111, R8104,R8105,R8106,R8107,R8108,R8109,R8110,R8111
RES54-4E4R70	47K 0805 SMD 1%	8	R1124,R2124,R3124,R4124,R5124,R6124,R7124,R8124
RES54-5E1R00	100K 0805 SMD 1% RES	32	R1101,R1120,R1121,R1136,R2101,R2120,R2121,R2136, R3101,R3120,R3121,R3136,R4101,R4120,R4121,R4136, R5101,R5120,R5121,R5136,R6101,R6120,R6121,R6136, R7101,R7120,R7121,R7136,R8101,R8120,R8121,R8136
RES54-5E4R70	470K 0805 SMD 1% RES	8	R1145,R2145,R3145,R4145,R5145,R6145,R7145,R8145
RES54-6E1R00	1M 0805 SMD 1%	80	R1102,R1103,R1123,R1125,R1131,R1132,R1133,R1134,R1135,R1137, R2102,R2103,R2123,R2125,R2131,R2132,R2133,R2134,R2135,R2137, R3102,R3103,R3123,R3125,R3131,R3132,R3133,R3134,R3135,R3137, R4102,R4103,R4123,R4125,R4131,R4132,R4133,R4134,R4135,R4137, R5102,R5103,R5123,R5125,R5131,R5132,R5133,R5134,R5135,R5137, R6102,R6103,R6123,R6125,R6131,R6132,R6133,R6134,R6135,R6137, R7102,R7103,R7123,R7125,R7131,R7132,R7133,R7134,R7135,R7137, R8102,R8103,R8123,R8125,R8131,R8132,R8133,R8134,R8135,R8137
SEM01-MD2580	4 WAY LED ARRAY	8	LED1120,LED2120,LED3120,LED4120, LED5120,LED6120,LED7120,LED8120
SEM11-1N4002	1N4002 TAPED/REEL	16	D1000,D1001,D2000,D2001, D3000,D3001,D4000,D4001, D5000,D5001,D6000,D6001, D7000,D7001,D8000,D8001
SEM15-BAS16	SMD DIODE BAS16 SOT23	24	D1120,D1121,R1123,D2120,D2121,R2123,D3120,D3121,R3123 D4120,D4121,R4123,D5120,D5121,R5123,D6120,D6121,R6123 D7120,D7121,R7123,D8120,D8121,R8123
SEM15-BAT54A	SCHOTTKY BARRIER DIODE	8	D1122,D2122,D3122,D4122,D5122, D6122,D7122,D8122
SEM16-ZX84C3V6	SMD 3V6 ZENER DIODE	8	Z1120,Z2120,Z3120,Z4120,Z5120,Z6120,Z7120,Z8120
SEM34-J112SMD	SMD J112 FET	16	Q1004,Q1005,Q2004,Q2005,Q3004,Q3005, Q4004,Q4005,Q5004,Q5005,Q6004,Q6005, Q7004,Q7005,Q8004,Q8005
SEM35-BC846B	BC846B SMD NPN TRANSISTR	24	Q1006,Q1121,Q1122,Q2006,Q2121,Q2122, Q3006,Q3121,Q3122,Q4006,Q4121,Q4122, Q5006,Q5121,Q5122,Q6006,Q6121,Q6122, Q7006,Q7121,Q7122,Q8006,Q8121,Q8122
SEM35-BC856B	BC856B SMD PNP TRANSISTR	8	Q1120,Q2120,Q3120,Q4120,Q5120,Q6120,Q7120,Q8120
SEM51-33178	SMD DUAL OP AMP (SO8)	24	U1000,U1004,U1122,U2000,U2004,U2122,

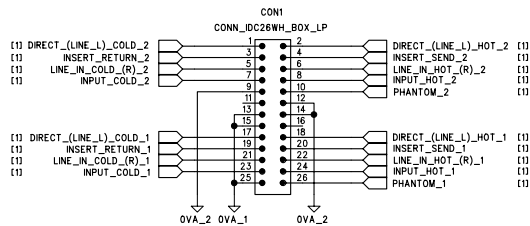
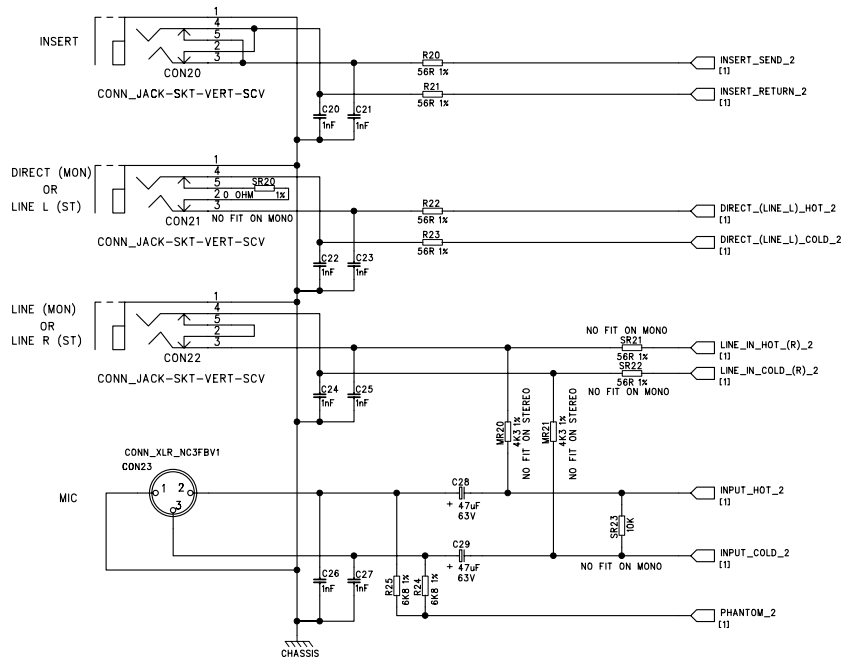
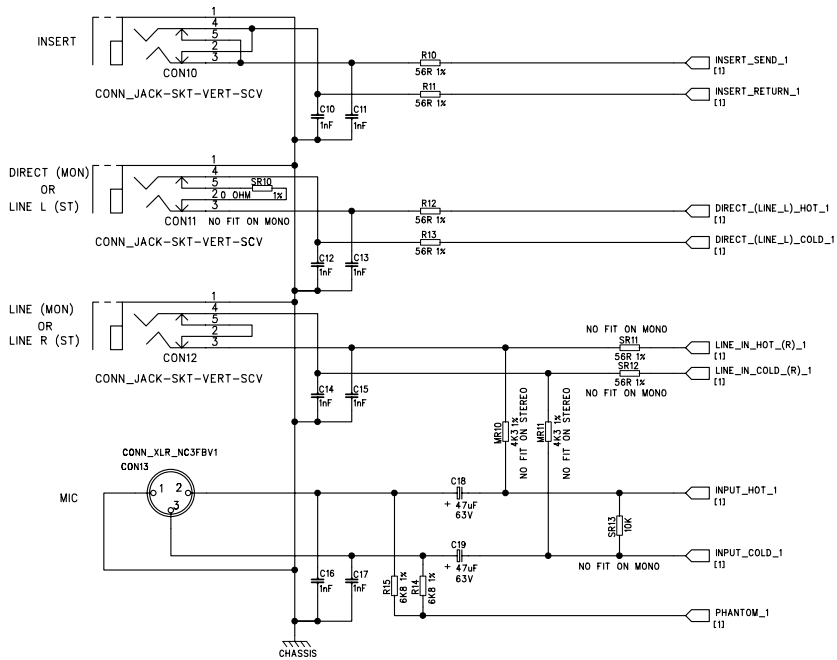
Part Identifier	Description	Quantity	Reference Text
SEM51-33178	SMD DUAL OP AMP (SO8)	24	U3000,U3004,U3122,U4000,U4004,U4122, U5000,U5004,U5122,U6000,U6004,U6122, U7000,U7004,U7122,U8000,U8004,U8122
SEM51-33179	SMD QUAD OP AMP (SO14)	8	U1006,U2006,U3006,U4006,U5006,U6006,U7006,U8006
SEM51-LM2901	SMD LM2901 COMPARATOR	8	U1121,U2121,U3121,U4121,U5121,U6121,U7121,U8121
SEM54-0HC4053	SMD IC 74HC4053D (SO16)	8	U1120,U2120,U3120,U4120,U5120,U6120,U7120,U8120
SWT01-JPS2LCV	2POLE LATCH VERT JPS2281	136	S1006,S1007,S1008,S1010,S1012,S1013, S1014,S1015,S1016,S1017,S1018,S1019, S1020,S1121,S1122,S1123,S1124, S2006,S2007,S2008,S2010,S2012,S2013, S2014,S2015,S2016,S2017,S2018,S2019, S2020,S2121,S2122,S2123,S2124, S3006,S3007,S3008,S3010,S3012,S3013, S3014,S3015,S3016,S3017,S3018,S3019, S3020,S3121,S3122,S3123,S3124, S4006,S4007,S4008,S4010,S4012,S4013, S4014,S4015,S4016,S4017,S4018,S4019, S4020,S4121,S4122,S4123,S4124, S5006,S5007,S5008,S5010,S5012,S5013, S5014,S5015,S5016,S5017,S5018,S5019, S5020,S5121,S5122,S5123,S5124, S6006,S6007,S6008,S6010,S6012,S6013, S6014,S6015,S6016,S6017,S6018,S6019, S6020,S6121,S6122,S6123,S6124, S7006,S7007,S7008,S7010,S7012,S7013, S7014,S7015,S7016,S7017,S7018,S7019, S7020,S7121,S7122,S7123,S7124, S8006,S8007,S8008,S8010,S8012,S8013, S8014,S8015,S8016,S8017,S8018,S8019, S8020,S8121,S8122,S8123,S8124
SWT01-LTV75R01	VERT LATCH SWT & LED RED	8	S1011,S2011,S3011,S4011,S5011,S6011,S7011,S8011
SWT01-LTV75Y01	VERT LTCH SWT & LED YELL	8	S1120,S2120,S3120,S4120,S5120,S6120,S7120,S8120
SWT01-LTV874L	4 P VERTICAL PUSH SWITCH	8	S1005,S2005,S3005,S4005,S5005,S6005,S7005,S8005



V0002 Mono Input Connector PCB

V0002 Schematics -
V0002 PCB Overlay -
V0002 Parts List -





OVA_1 and OVA_2 Joined to OVA on Main Input PCB

UNIT: VERONA

TITLE: Input Connector - CH1 / CH2

BOARD No. V0002 BOARD Iss. 1

MIDAS AUDIO

DRAWN: AC/SM

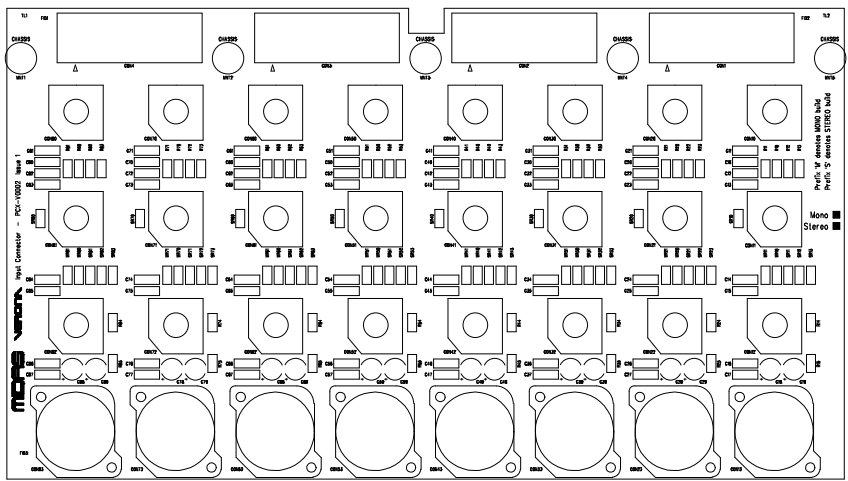
DATE: 03-08-03

SHEET: 1 OF 4

CHECKED:

DRG No. PCX-V0002-1.SCH

AMENDMENTS	ISS.	INIT.	DATE.



Input Connector - PCB-V0002 - Rev 1

Printed in Germany AMMO, Halle
 Prof. Dr. Gernot STUBER, Halle

Made in
 Germany



26 Legend Top

REV.	DATE	BY	CHKD.	DESCRIPTION

UUNIT: VERONA	
TITLE: Input Connector	BOARD No.: V0002
BOARD Iss.: 1	

KLARK TEKNIK GROUP (UK) PLC			
KLARK TEKNIK BUILDING WALTER RASER ROAD KODORRWINGTER WORSLEY DY11 7NJ	TEL: 44 (0)1562 741515 FAX: 44 (0)1562 749217 E-mail: simon.moss@klarkgroup.com		
DRAWN: SM	DATE: 12-09-2003	CAD LAYER: 26	
CHECKED:	SHEET Iss: 1	DRG No.: PCB-V0002-LPCB	

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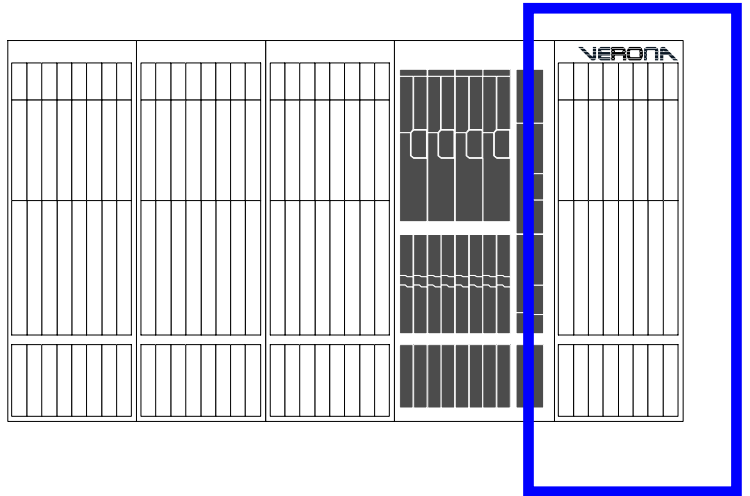
Part Identifier	Description	Quantity	Reference Text
Verona Mono Input Connector PCB Assembly			
CAP12-J110100	1NF POLYSTER CAP 0.2"	64	C10,C11,C12,C13,C14,C15,C16,C17, C20,C21,C22,C23,C24,C25,C26,C27, C30,C31,C32,C33,C34,C35,C36,C37, C40,C41,C42,C43,C44,C45,C46,C47, C50,C51,C52,C53,C54,C55,C56,C57, C60,C61,C62,C63,C64,C65,C66,C67, C70,C71,C72,C73,C74,C75,C76,C77, C80,C81,C82,C83,C84,C85,C86,C87
CAP63-247063A	47UF 63V RAD.ELEC.2.5MM	16	C18,C19,C28,C29,C38,C39,C48,C49, C58,C59,C68,C69,C78,C79,C88,C89
CON11-26MR2	26WY R/A ML LOW PRO BOX	4	J1,J2,J3,J4
CON31-3FAV1	NC3FAV FEMALE XLR	8	CON13,CON23,CON33,CON43,CON53,CON63, CON73,CON83
CON32-SCJ651M1	6.3DIA PCB JACK SKT CHAM	24	CON10,CON11,CON12,CON20,CON21,CON22, CON30,CON31,CON32,CON40,CON41,CON42, CON50,CON51,CON52,CON60,CON61,CON62, CON70,CON71,CON72,CON80,CON81,CON82
PCX-V0002-1	INPUT CONNECTOR PCB	1	
RES04-1E5R60	56R RES.M.FILM 1% 0.4W	32	R10,R11,R12,R13,R20,R21,R22,R23, R30,R31,R32,R33,R40,R41,R42,R43, R50,R51,R52,R53,R60,R61,R62,R63, R70,R71,R72,R73,R80,R81,R82,R83
RES04-3E4R30	4K3 RES.M.FILM 1% 0.4W	16	MR10,MR11,MR20,MR21,MR30,MR31,MR40,MR41, MR50,MR51,MR60,MR61,MR70,MR71,MR80,MR81
RES04-3E6R80	6K8 RES.M.FILM 1% 0.4W	16	R14,R15,R24,R25,R34,R35,R44,R45, R54,R55,R64,R65,R74,R75,R84,R85
		0	
CAP12-J110100	1NF POLYSTER CAP 0.2"	64	C10,C11,C12,C13,C14,C15,C16,C17, C20,C21,C22,C23,C24,C25,C26,C27, C30,C31,C32,C33,C34,C35,C36,C37, C40,C41,C42,C43,C44,C45,C46,C47, C50,C51,C52,C53,C54,C55,C56,C57, C60,C61,C62,C63,C64,C65,C66,C67, C70,C71,C72,C73,C74,C75,C76,C77, C80,C81,C82,C83,C84,C85,C86,C87

Part Identifier	Description	Quantity	Reference Text
CAP63-247063A	47UF 63V RAD.ELEC.2.5MM	16	C18,C19,C28,C29,C38,C39,C48,C49, C58,C59,C68,C69,C78,C79,C88,C89
CON11-26MR2	26WY R/A ML LOW PRO BOX	4	J1,J2,J3,J4
CON31-3FAV1	NC3FAV FEMALE XLR	8	CON13,CON23,CON33,CON43,CON53,CON63, CON73,CON83
CON32-SCJ651M1	6.3DIA PCB JACK SKT CHAM	24	CON10,CON11,CON12,CON20,CON21,CON22, CON30,CON31,CON32,CON40,CON41,CON42, CON50,CON51,CON52,CON60,CON61,CON62, CON70,CON71,CON72,CON80,CON81,CON82
PCX-V0002-1	INPUT CONNECTOR PCB	1	
RES04-0E0R00	LINK "O" OHM BODIED	8	SR10,SR20,SR30,SR40,SR50,SR60, SR70,SR80
RES04-1E5R60	56R RES.M.FILM 1% 0.4W	48	R10,R11,R12,R13,R20,R21,R22,R23, R30,R31,R32,R33,R40,R41,R42,R43, R50,R51,R52,R53,R60,R61,R62,R63, R70,R71,R72,R73,R80,R81,R82,R83, SR11,SR12,SR21,SR22,SR31,SR32, SR41,SR42,SR51,SR52,SR61,SR62, SR71,SR72,SR81,SR82
RES04-3E6R80	6K8 RES.M.FILM 1% 0.4W	16	R14,R15,R24,R25,R34,R35,R44,R45, R54,R55,R64,R65,R74,R75,R84,R85
RES04-4E1R00	10K RES.M.FILM 1% 0.4W	8	SR13,SR23,SR33,SR43,SR53,SR63, SR73,SR83



V0004 Multifunctional Input

V0004 Parts List-
V0004 Front Panel -





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Part Identifier	Description	Quantity	Reference Text
Multifunctional Input Module Parts List			
FAS11-M3X16PN	M3X16 PAN NICKEL TORX	4	
HWR11-CE3299	COUNTERBORED PCB SPACER	4	
HWR99-PSM601	RICHCO MINI PUSH SPACER	3	
MWX-V0001M02-2	I/P MODULE SUB CHASSIS	1	
MWX-V0004M01-2	STEREO I/P MODULE FASCIA	1	
MWX-V000M26-1	CONSOLE LOWER PCB SPACER	4	
MWX-V000M27-1	CONSOLE UPPER PCB SPACER	4	
V0004-02-2	STEREO INPUT PCB ASSY	1	
V0004-PLASTIC-1	VERONA STEREO INPUT PLAST	0	
V0006-01-3	STEREO I/P FADER PCB ASSY	1	

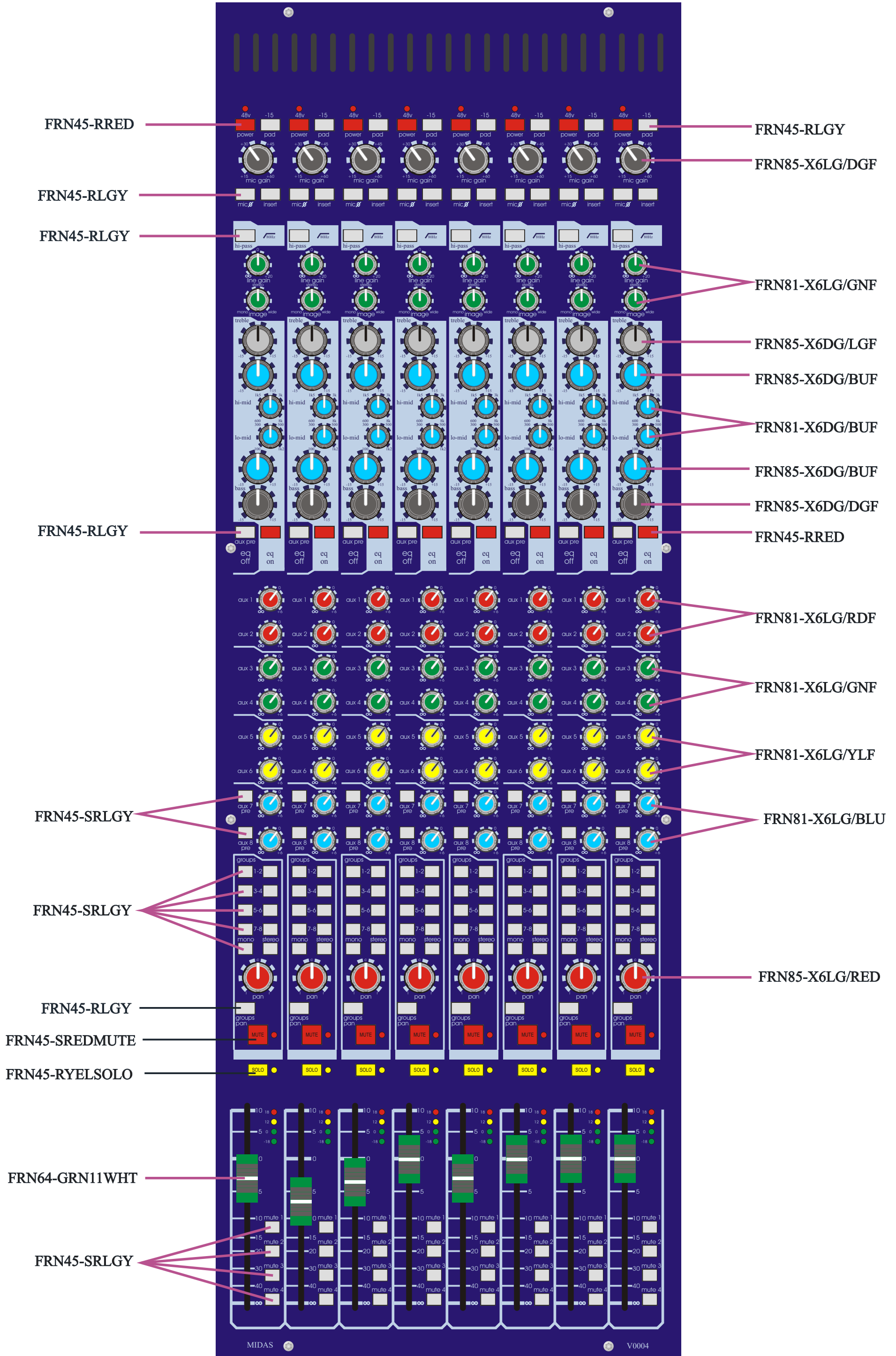


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Part Identifier	Description	Quantity	Reference Text
Multifunctional Input Module Plastics			
FRN45-RLGY	SIFAM RECT LGY PLAIN CAP	192	
FRN45-RRED	SIFAM RECT RED PLAIN CAP	64	
FRN45-RYELSOLO	SIFAM RECT YELL (SOLO)	32	
FRN45-SREDMUTE	SIFAM SQ RED (MUTE) CAP	32	
FRN45-SRLGY	SIFAM SML RECT LGY PLAIN	512	
FRN64-GRN11WHT	11MM 2 PART F/KNOB GREEN	32	
FRN81-X6DG/BUF	11MM MIDAS KNOB 6MM D	64	
FRN81-X6LG/BLU	11MM MIDAS KNOB 6MM D	64	
FRN81-X6LG/GNF	11MM MIDAS KNOB 6MM D	128	
FRN81-X6LG/RDF	11MM MIDAS KNOB 6MM D	64	
FRN81-X6LG/YLF	11MM MIDAS KNOB 6MM D	64	
FRN85-X6DG/BUF	15MM MIDAS KNOB 6MM D	64	
FRN85-X6DG/DGF	15MM MIDAS KNOB 6MM D	32	
FRN85-X6DG/LGF	15MM MIDAS KNOB 6MM D	32	
FRN85-X6LG/DGF	15MM MIDAS KNOB 6MM D	32	
FRN85-X6LG/RED	15MM MIDAS KNOB 6MM D	32	

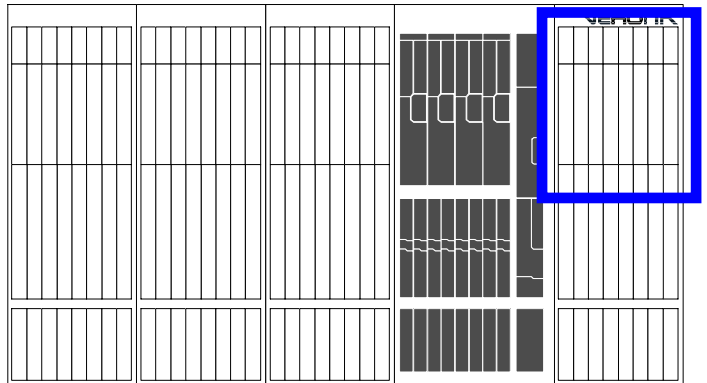
MULTIFUNCTIONAL INPUT MODULE

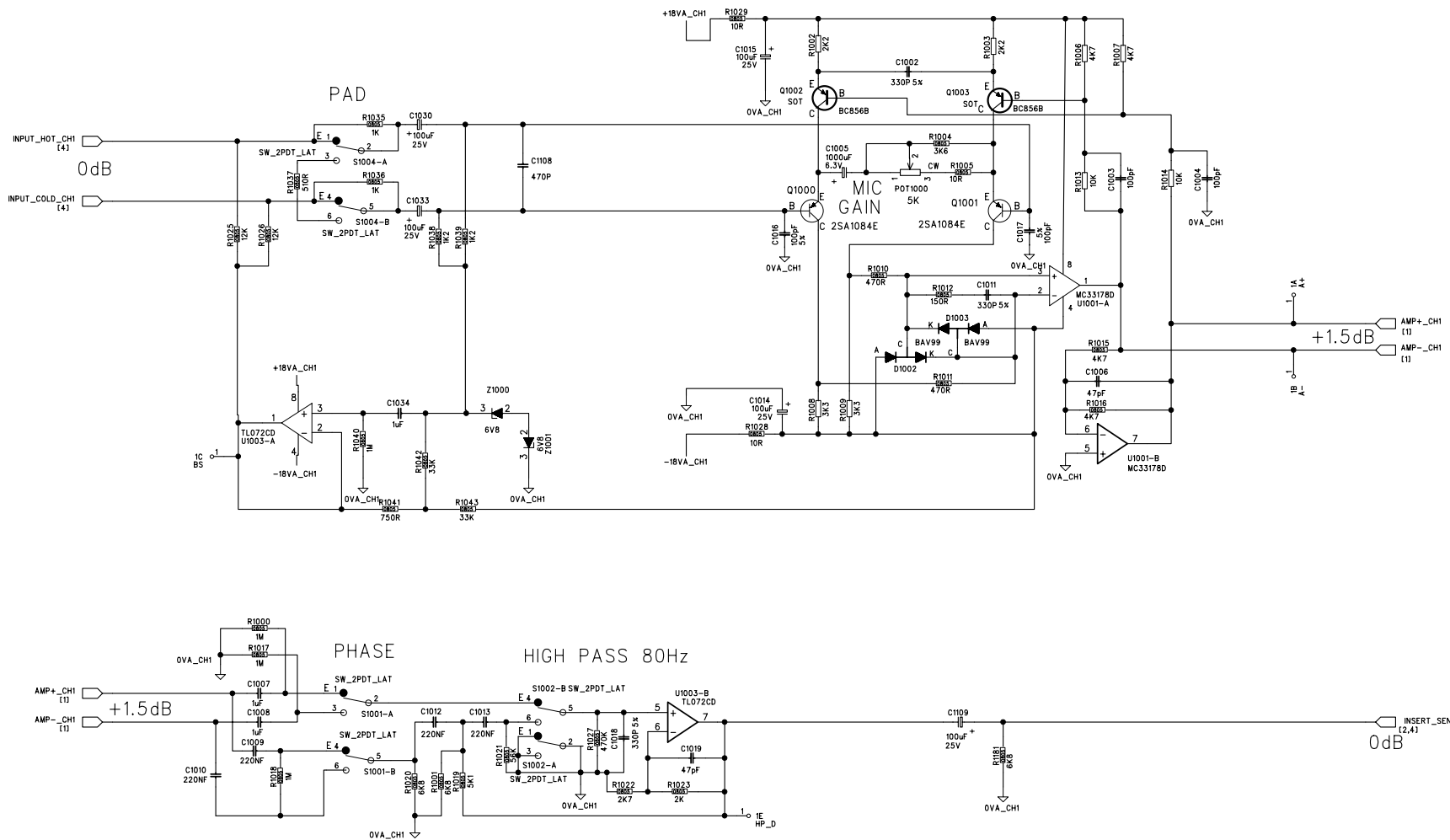




V0004 Multi Functional Input Upper PCB Mic Pre-Amp and EQ

- V0004 Schematics -
- V0004 Board Overlays -
- V0004 Parts Grid Locator -
- V0004 Parts List -



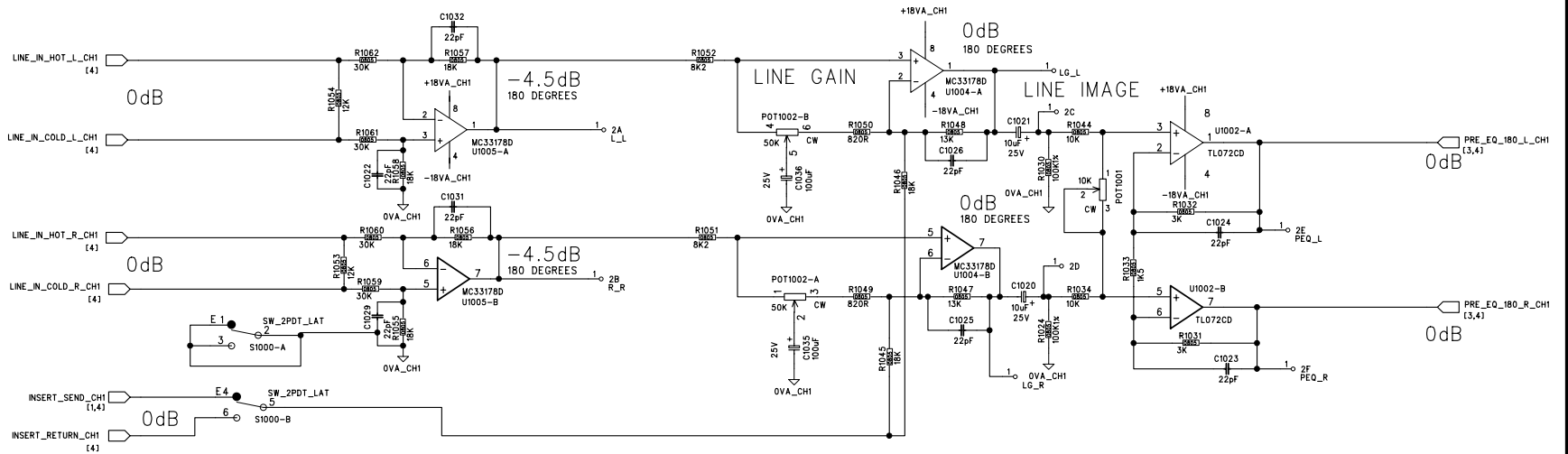


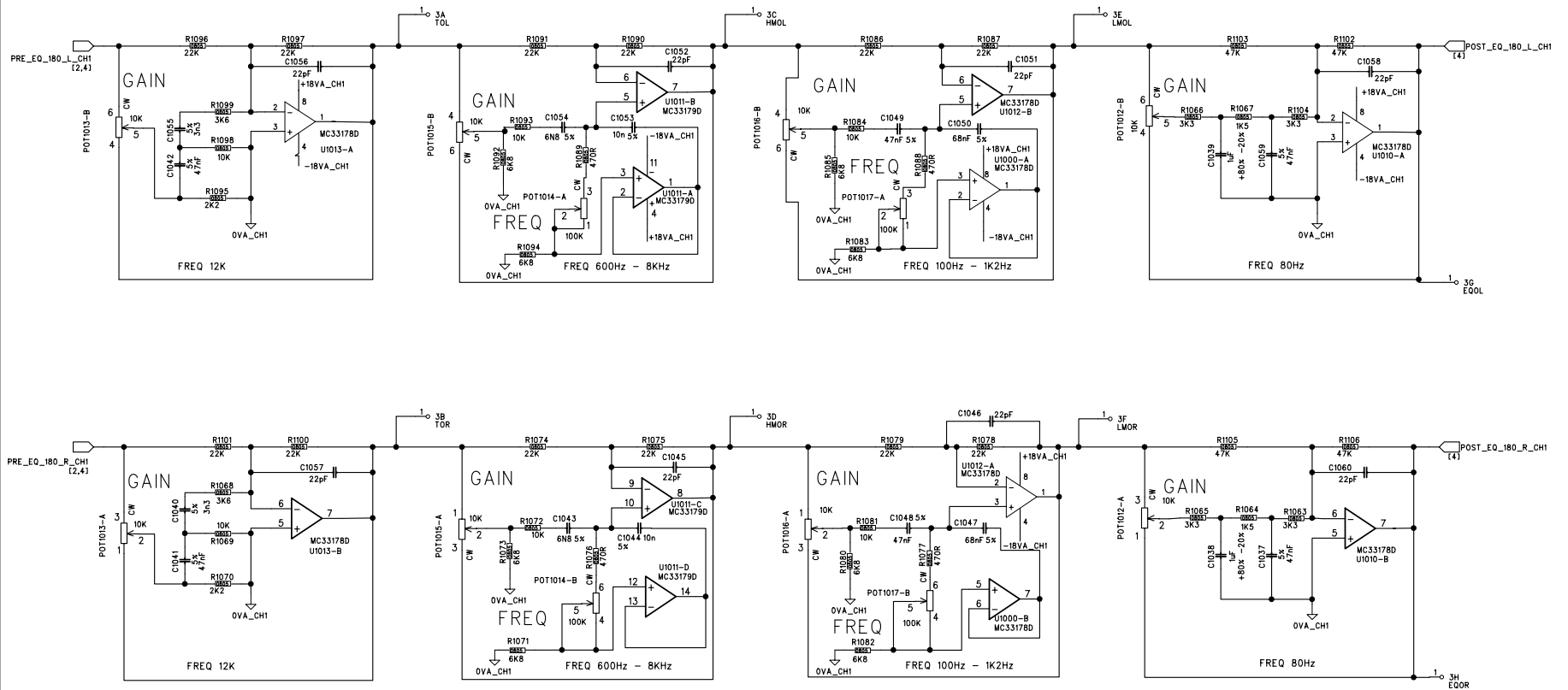
AMENDMENTS	ISS.	INIT.	DATE.

UNIT: VERONA
 TITLE: STEREO INPUT
 BOARD No. V0004 BOARD Iss. 1

MIDAS AUDIO

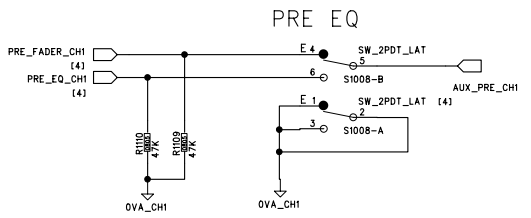
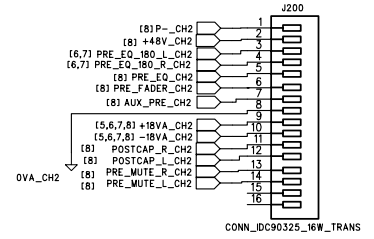
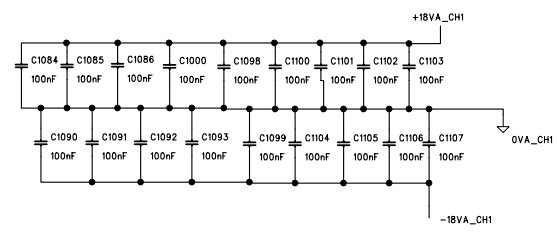
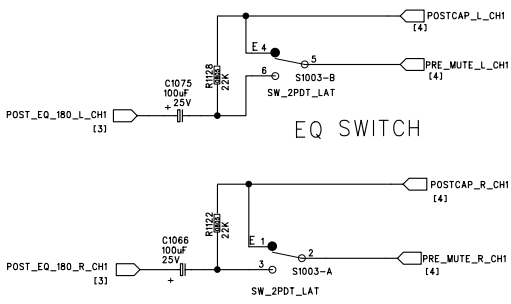
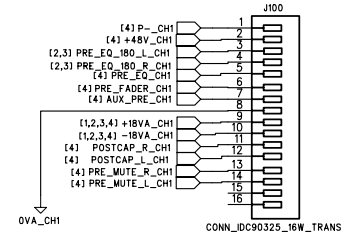
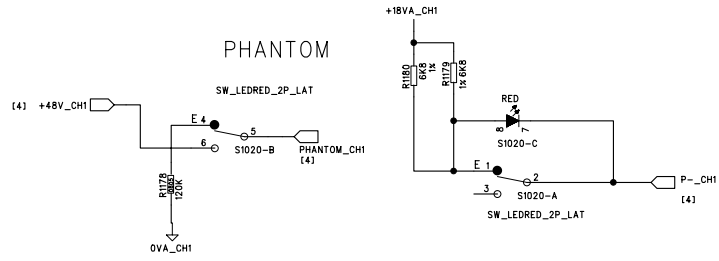
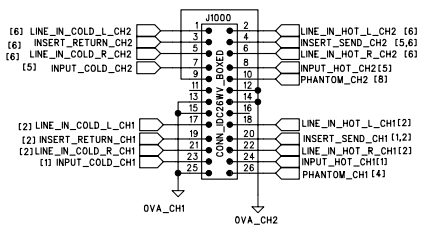
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 CHECKED: SHEET Iss: 1 DRG No. PCX-V0004-1.SCH





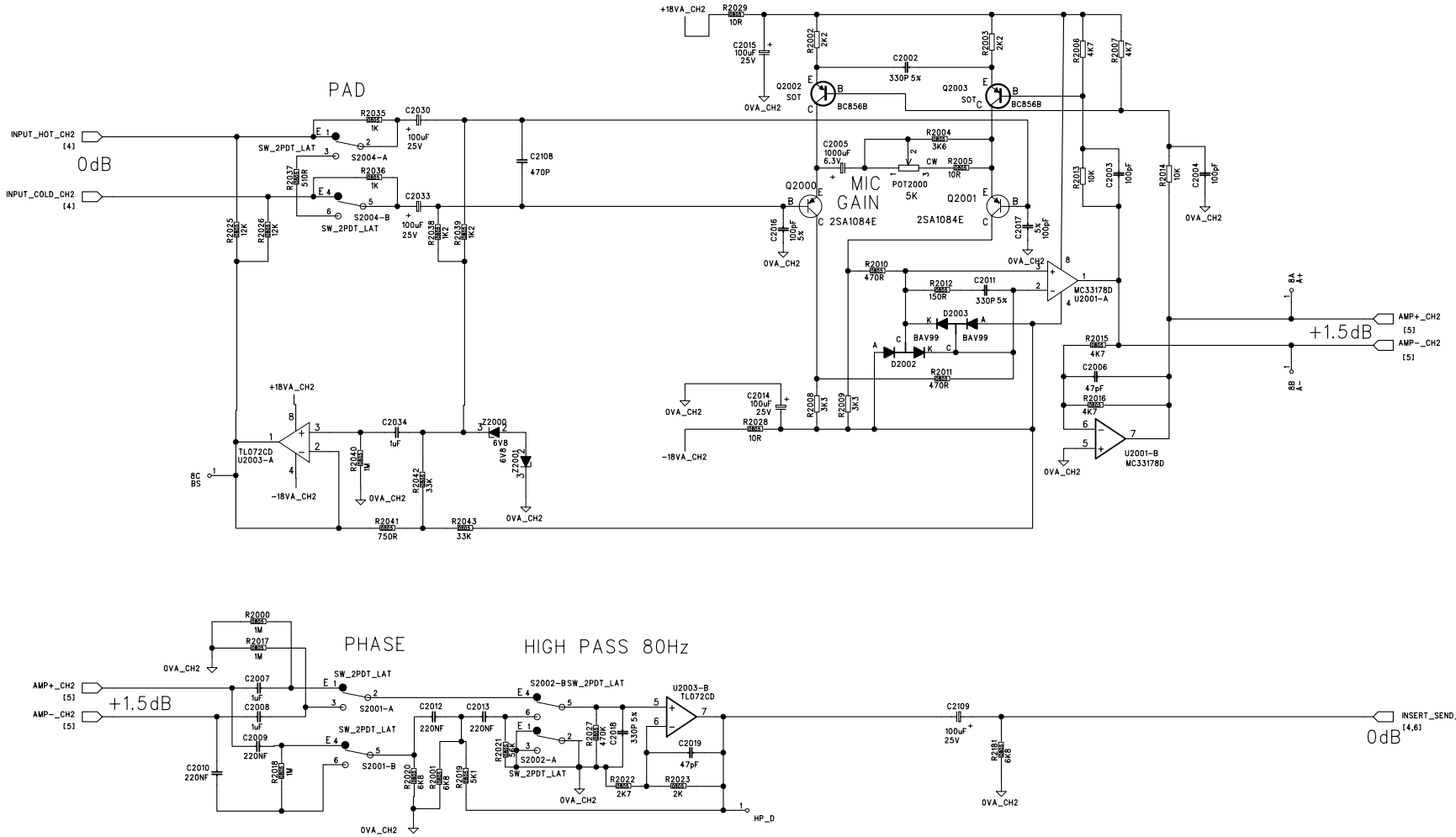
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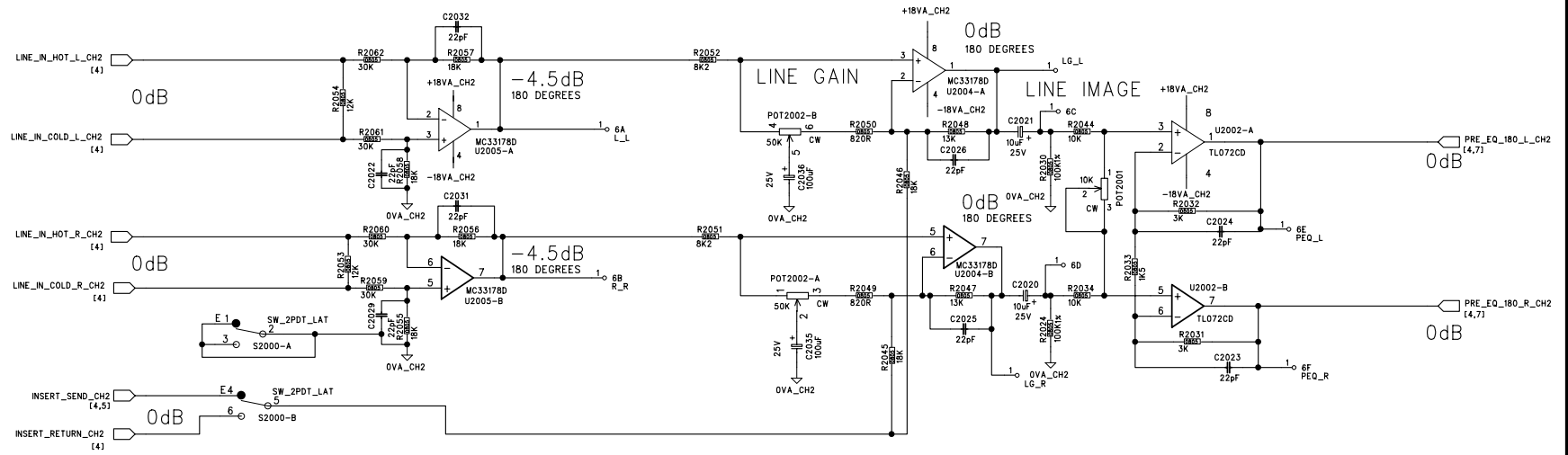
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BOARD No. V0004 BOARD Iss. B	CHECKED:	SHEET Iss: 1	DRG No.PCX-V0004-B.SCH



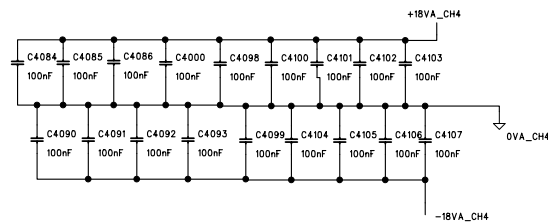
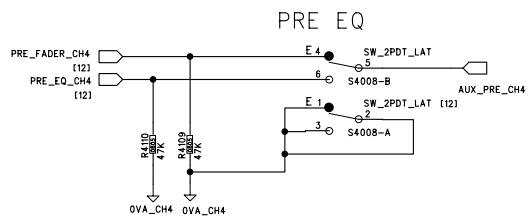
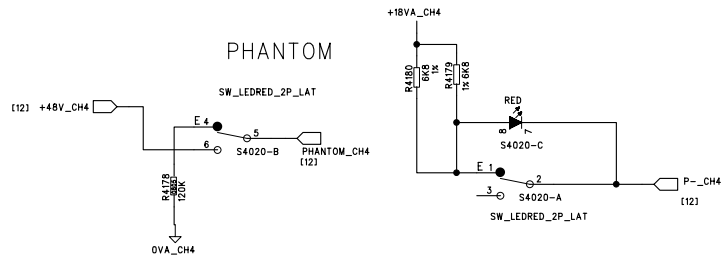
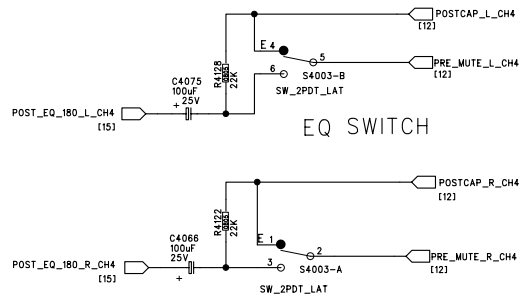
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 BOARD No. V0004 BOARD Iss. 1

MIDAS AUDIO
 DRAWN: AC DATE: AUG 03 SHEET: 5 OFF 32
 CHECKED: SHEET Iss: 1 DRG No.PCX-V0004-1.sch



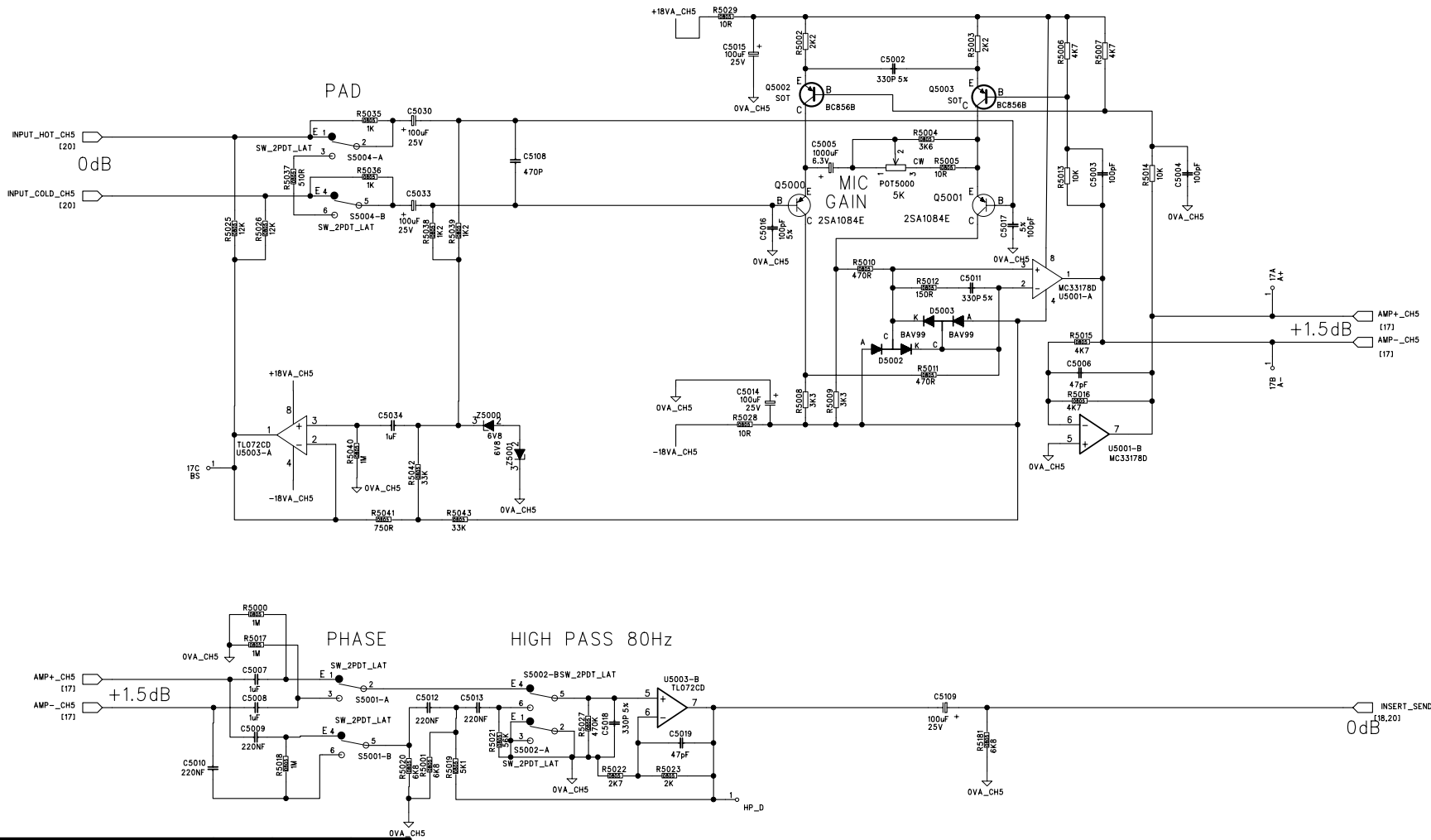
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BOARD No. V0004		BOARD	Iss.	1	CHECKED:	SHEET	Iss:	1	DRG No.	PCX-V0004-1.sch



AMENDMENTS	ISS.	INIT.	DATE.

UNIT:	VERONA			MIDAS AUDIO							
TITLE:	STEREO INPUT						DRAWN:	AC	DATE:	AUG 03	SHEET:
BOARD No.	V0004			BOARD Iss.	1	CHECKED:	SHEET Iss:		1	DRG No.	PCX-V0004-1.sch



UNIT: VERONA

TITLE: STEREO INPUT

BOARD No. V0004 BOARD Iss. 1

MIDAS AUDIO

DRAWN: AC

CHECKED:

DATE: AUG 03

SHEET Iss: 1

SHEET: 17 OFF 32

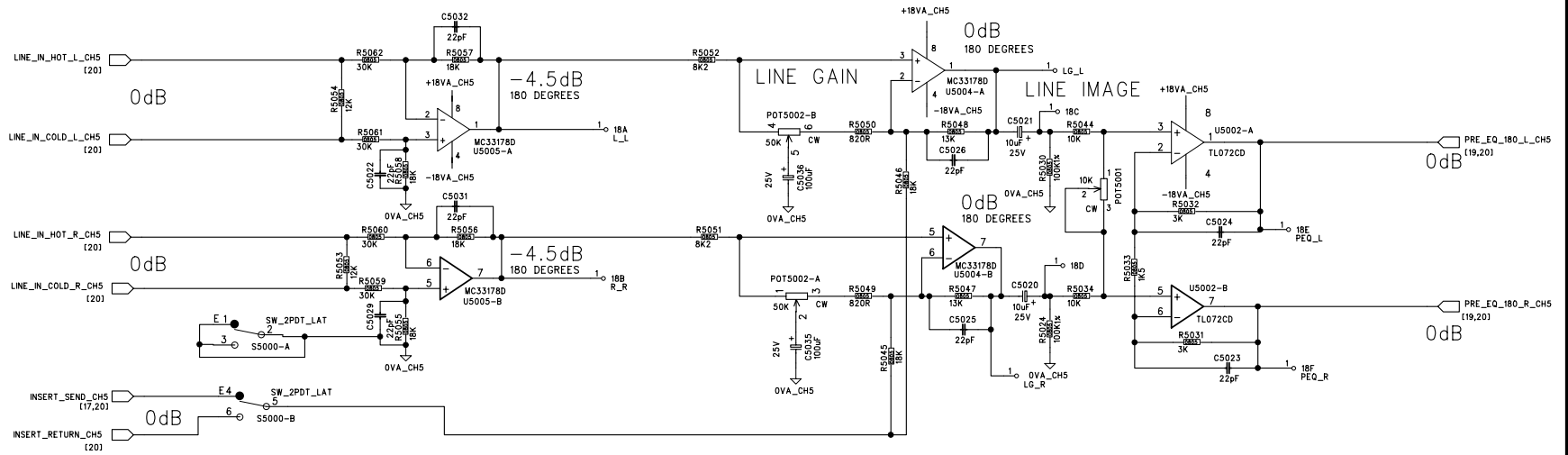
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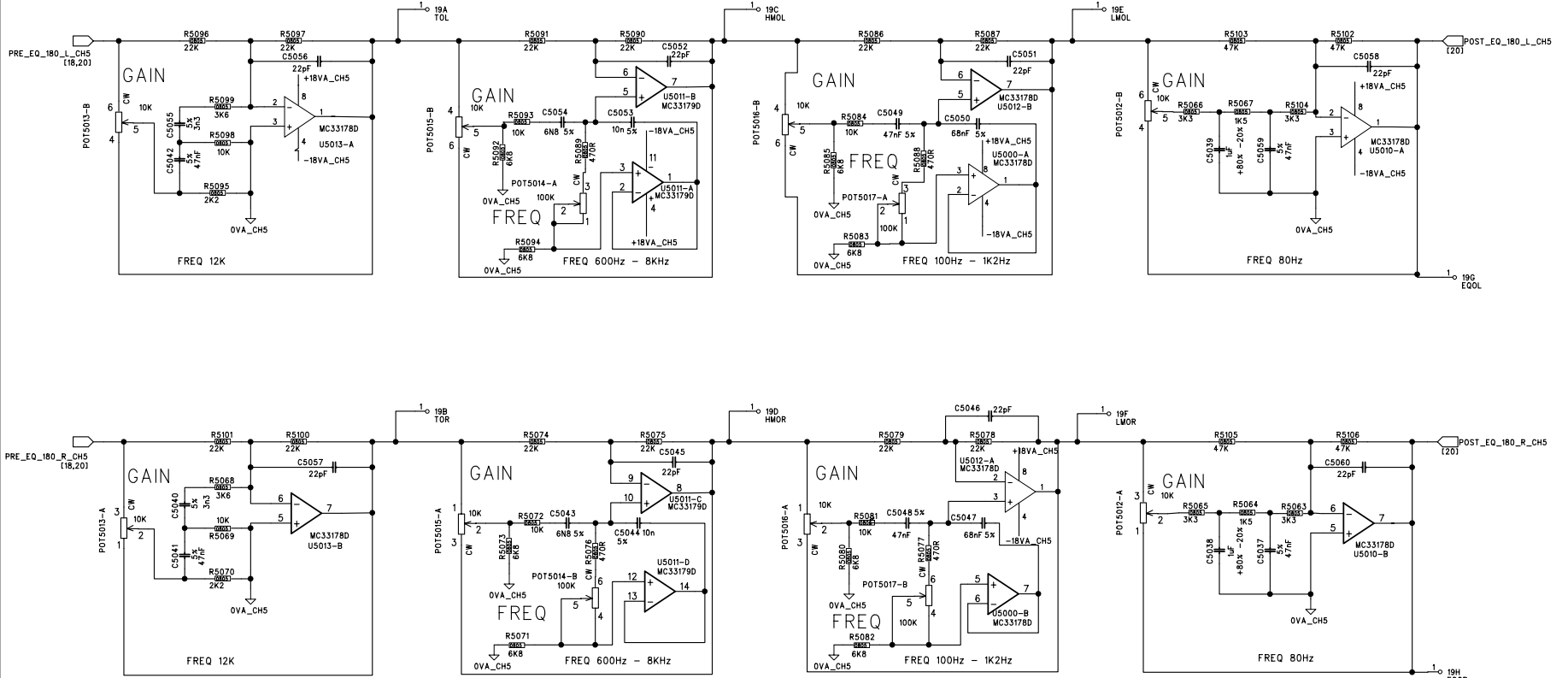
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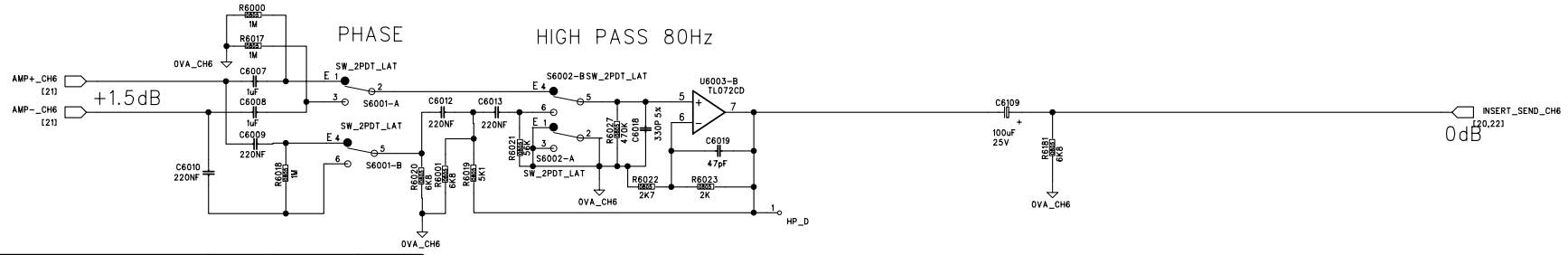
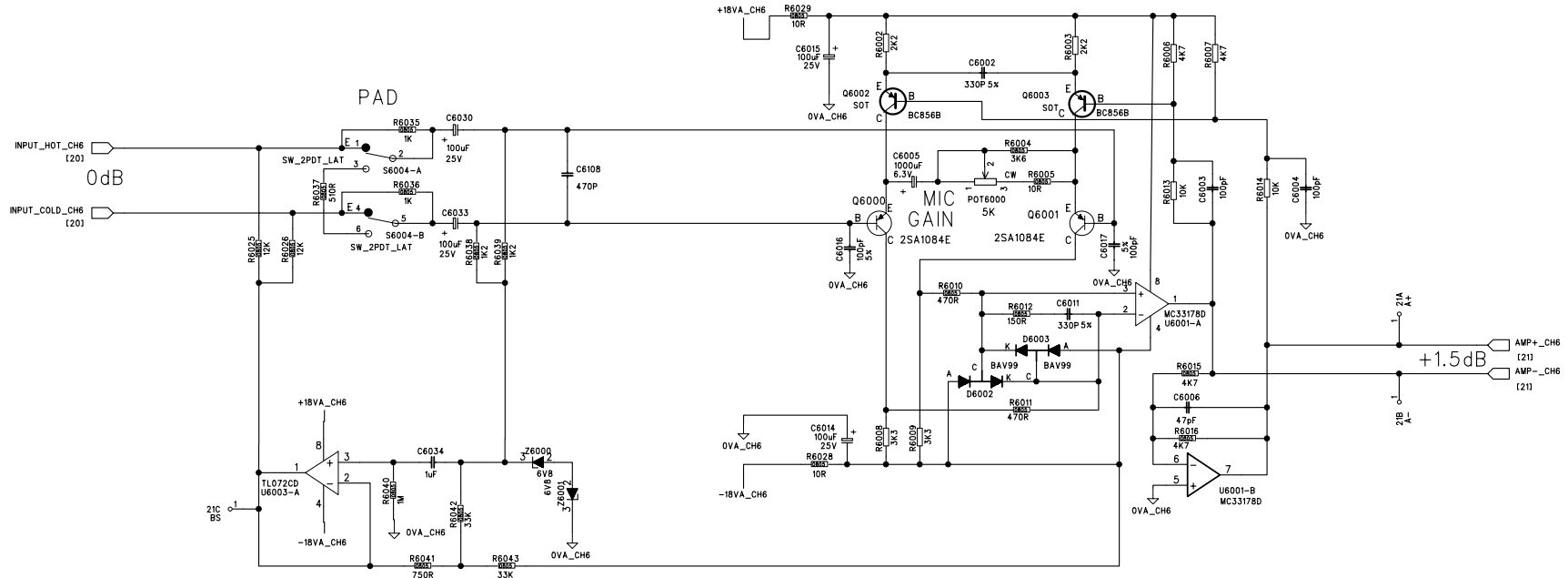
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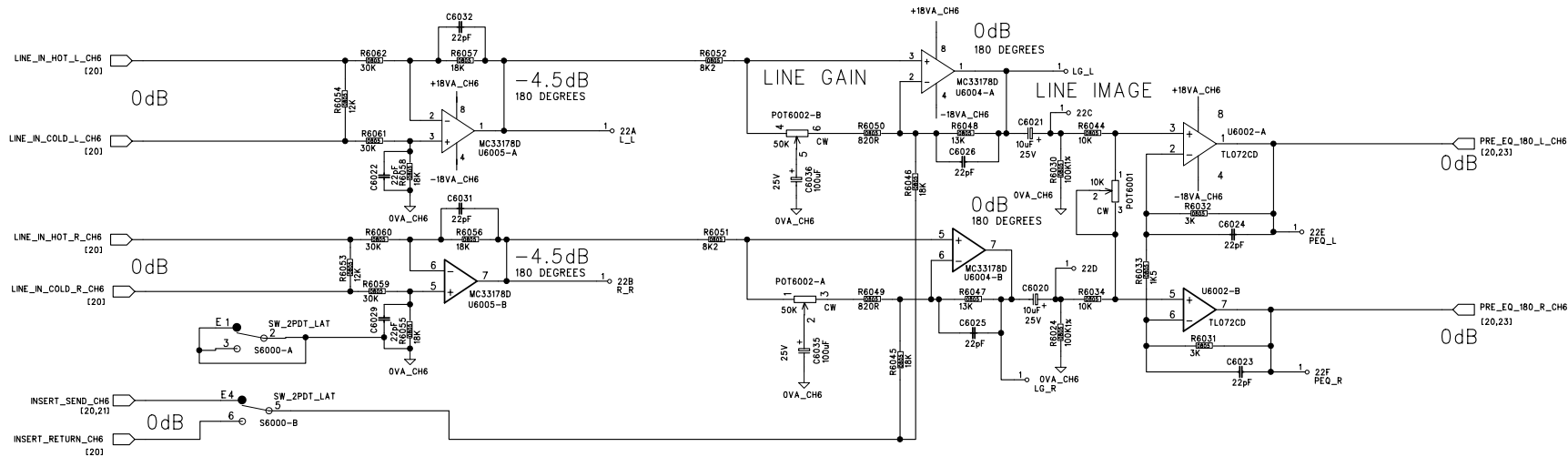
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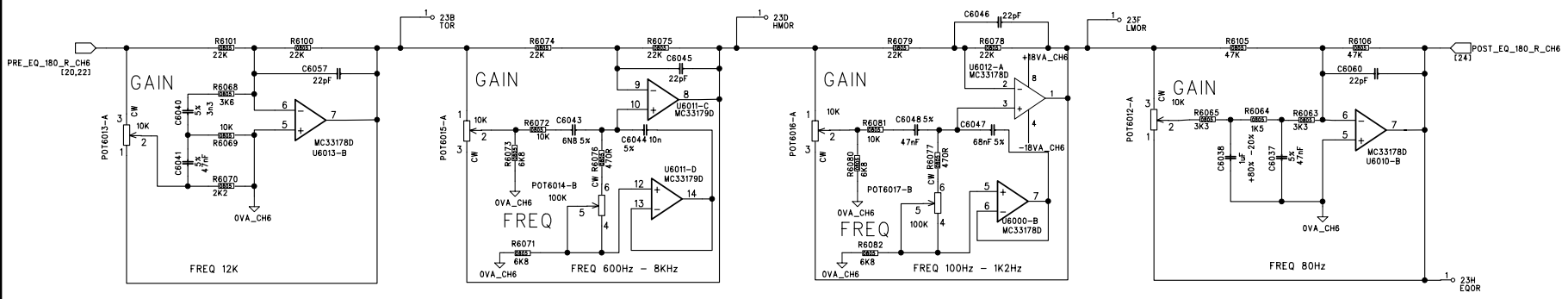
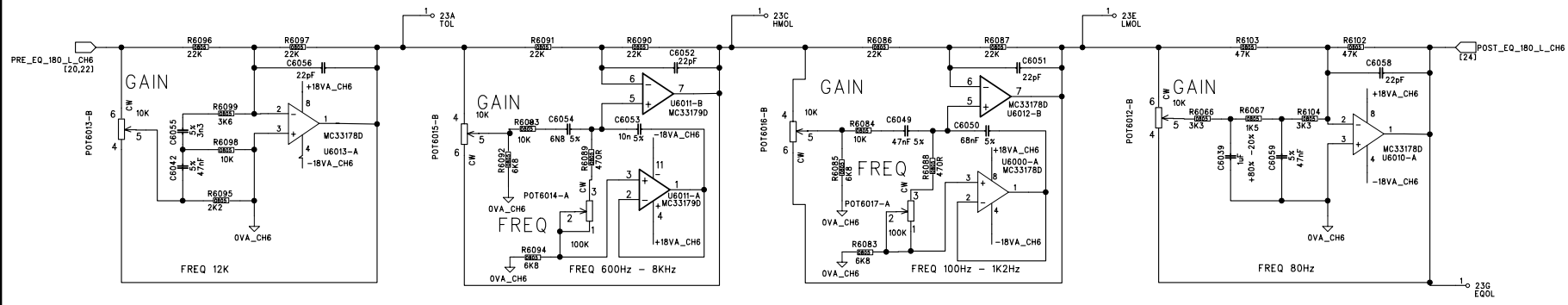
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BOARD No. V0004 BOARD Iss. 1	CHECKED:	SHEET Iss: 1	DRG No.PCX-V0004-1.sch



AMENDMENTS	ISS.	INIT.	DATE.

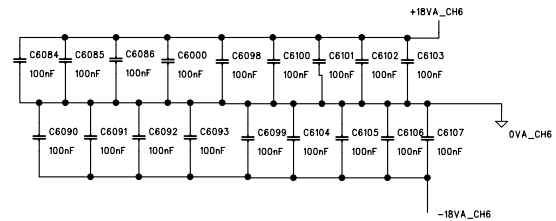
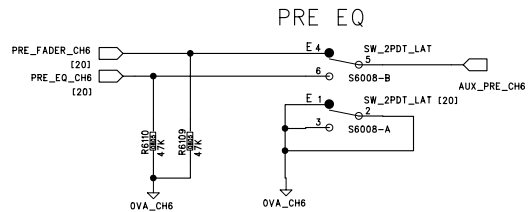
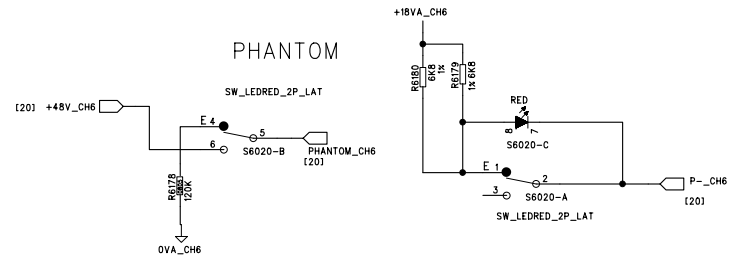
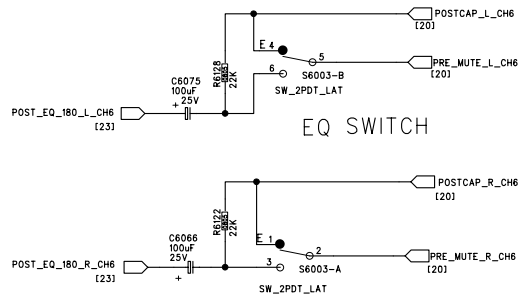


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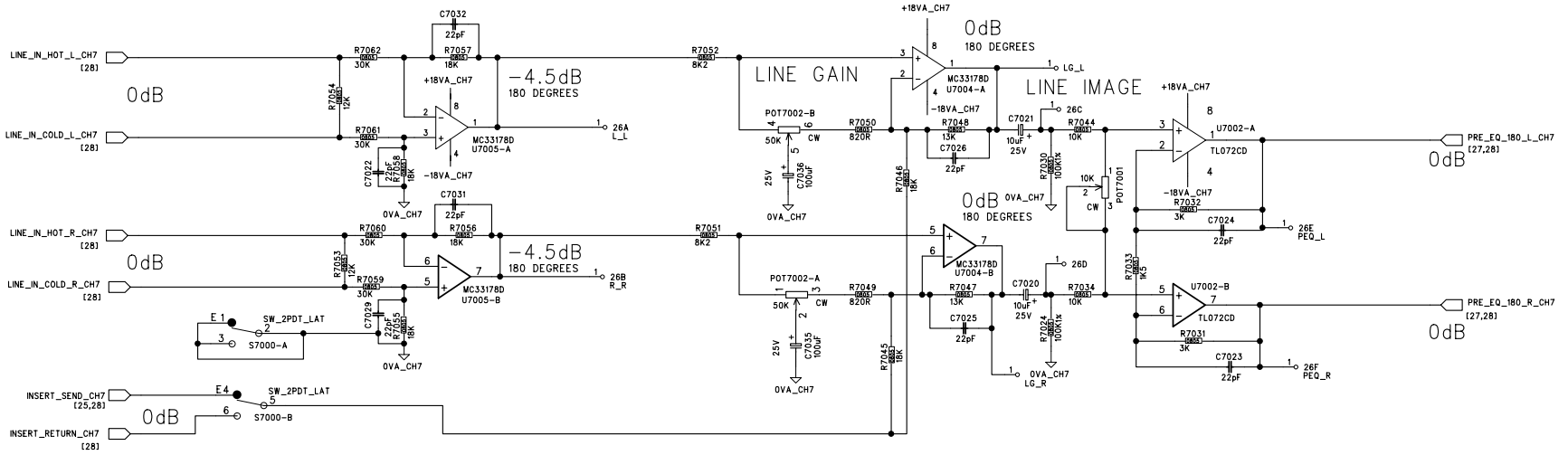


AMENDMENTS	ISS.	INIT.	DATE.

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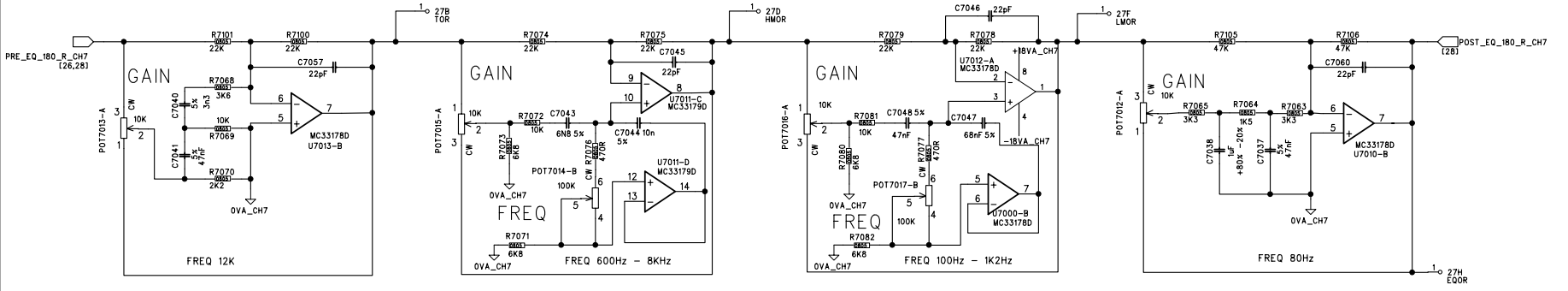
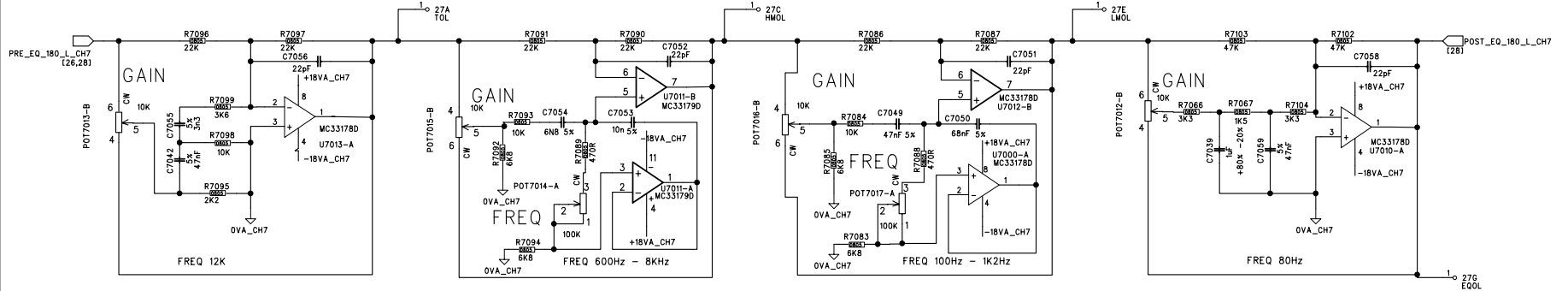


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UNIT: VERONA	MIDAS AUDIO		
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BOARD No. V0004 BOARD Iss. 1	CHECKED:	SHEET Iss: 1	DRG No. PCX-V0004-1.sch

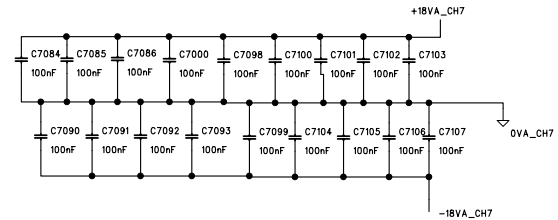
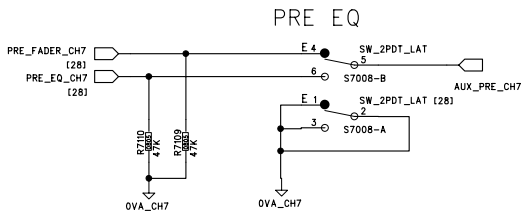
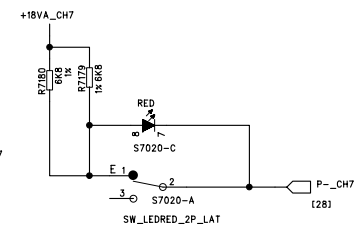
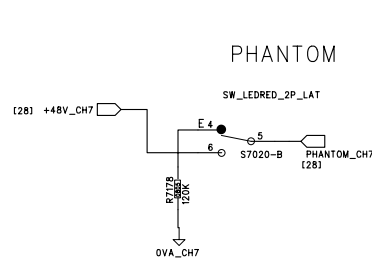
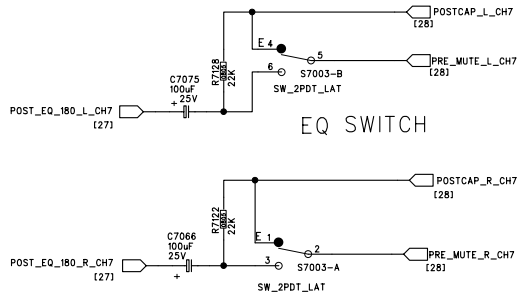
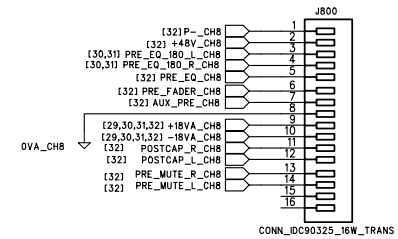
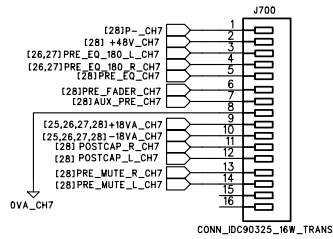
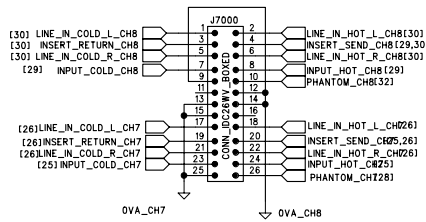
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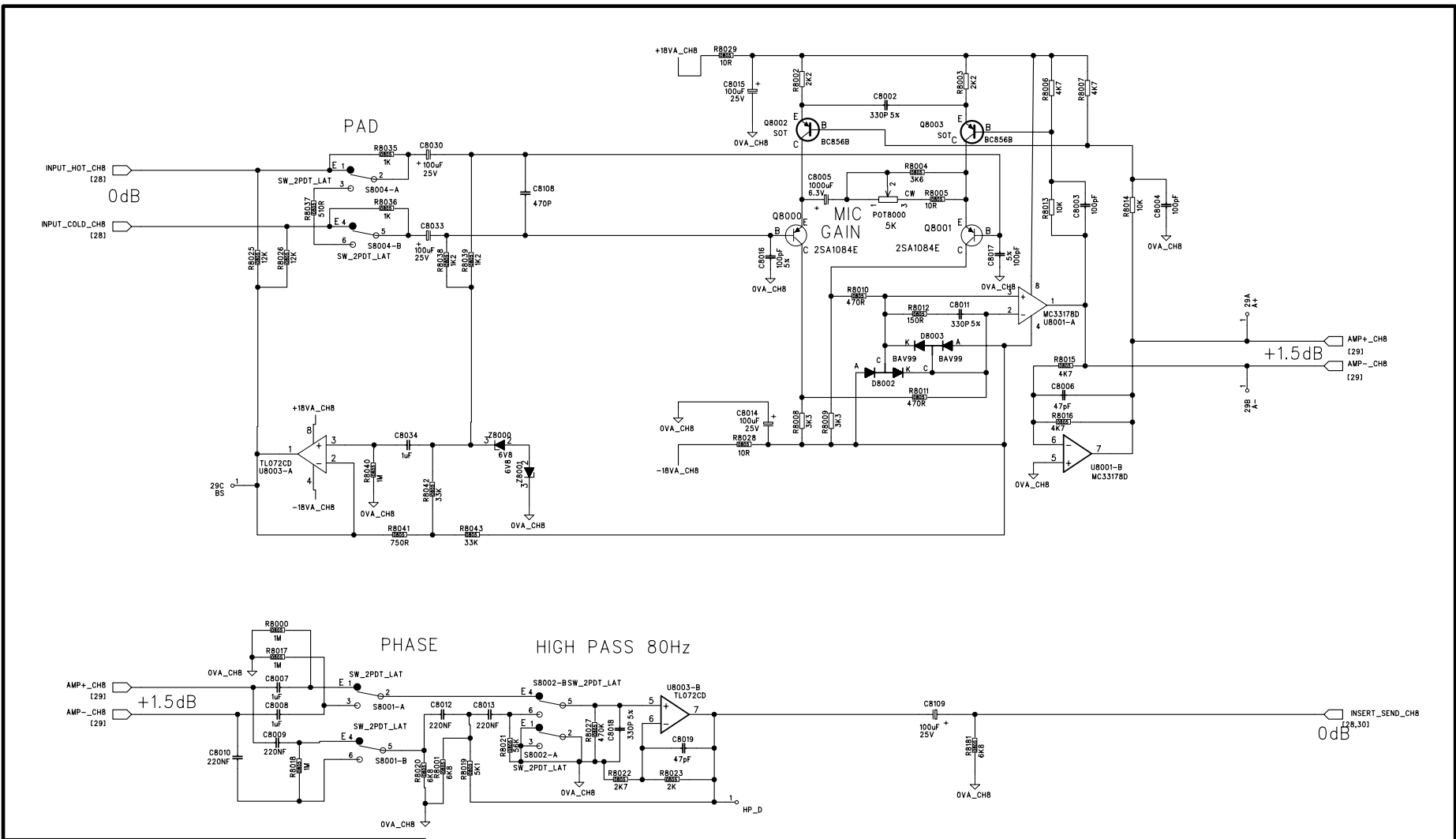
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 BOARD No. V0004 BOARD Iss. 1

MIDAS AUDIO

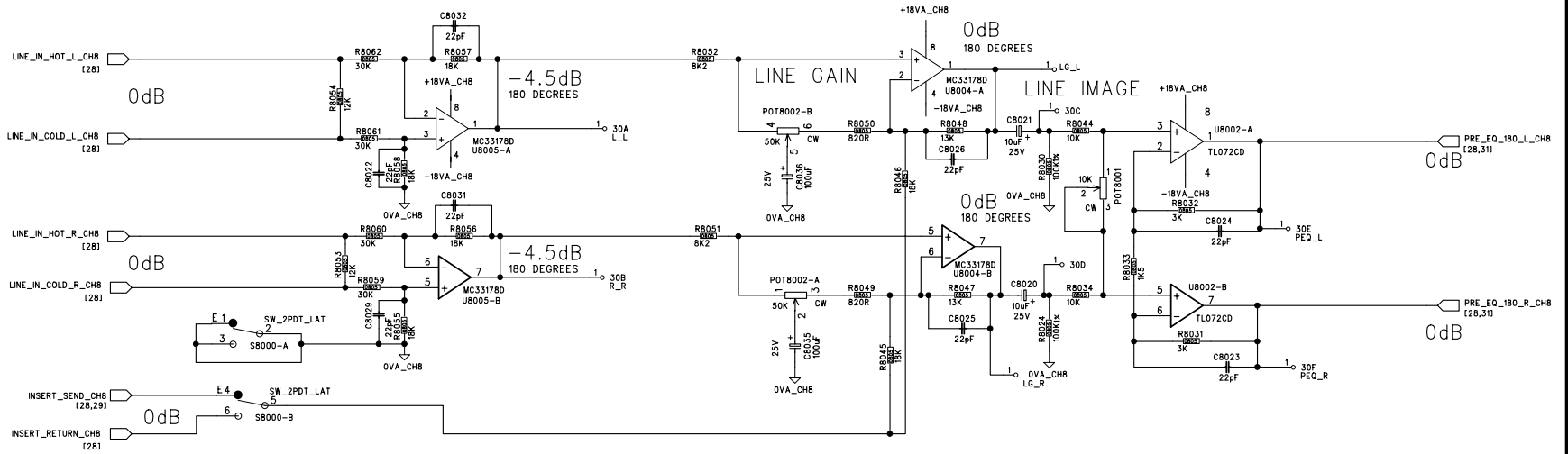
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 CHECKED:
 DATE: AUG 03
 SHEET Iss: 1
 SHEET: 27 OFF 32
 DRG No.PCX-V0004-1.sch



UNIT:	VERONA	MIDAS AUDIO								
TITLE:	STEREO INPUT									
AMENDMENTS	ISS.	INIT.	DATE.	DRAWN:	AC	DATE:	AUG 03	SHEET:	28 OFF 32	
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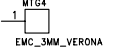
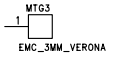
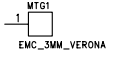
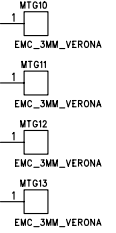
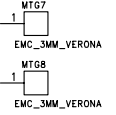
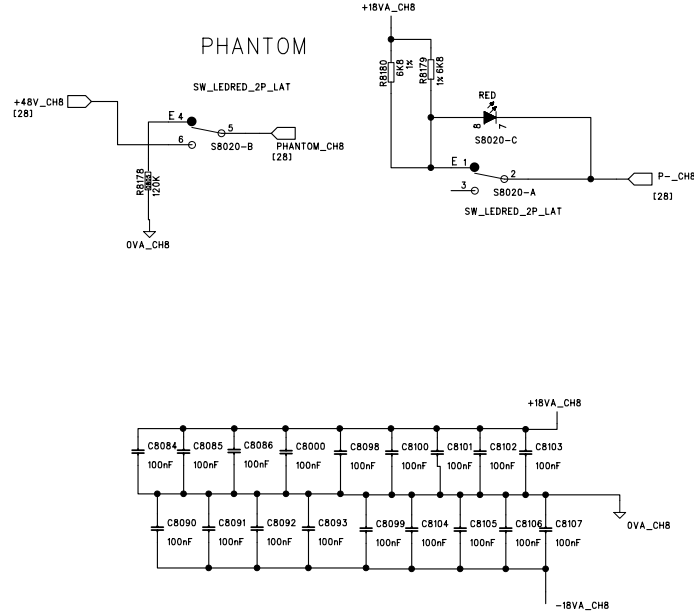
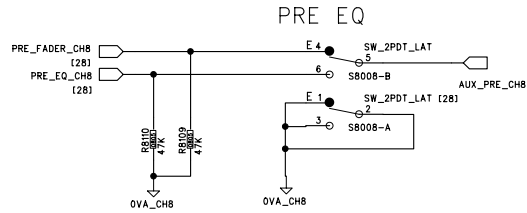
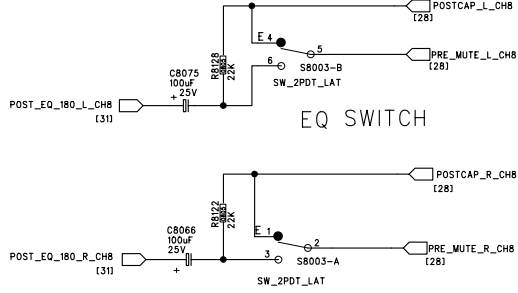


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AMENDMENTS	ISS.	INIT.	DATE.	BOARD No.	V0004	BOARD Iss.	1	CHECKED:	SHEET Iss:	1	DRG No.	PCX-V0004-1.sch



AMENDMENTS	ISS.	INIT.	DATE.

UNIT:	VERONA	MIDAS AUDIO							
TITLE:	STEREO INPUT	DRAWN:	AC	DATE:	AUG 03	SHEET:	30 OFF 32		
BOARD No. V0004		BOARD Iss. 1		CHECKED:		SHEET Iss:	1	DRG No.	PCX-V0004-1.sch



AMENDMENTS	ISS.	INIT.	DATE.

UNIT: VERONA

MIDAS AUDIO

TITLE: STEREO INPUT

DRAWN: AC

DATE: AUG 03

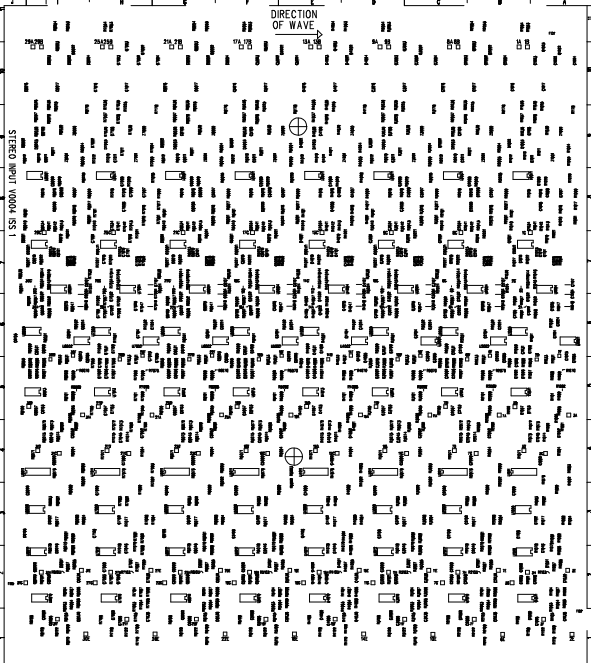
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BOARD No. V0004 BOARD Iss. 1

CHECKED:

SHEET Iss: 1

DRG No.PCX-V0004-1.sch



DIRECTION OF WAVE

Verona

STEREO INPUT V0004 ISS 1

Verona

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
1A	Top	B10
1B	Top	B10
1C	Top	A7
1E	Top	A7
2A	Top	B6
2B	Top	A5
2C	Bottom	B7
2D	Bottom	B7
2E	Top	A1
2F	Top	A5
3A	Top	A5
3B	Top	B5
3C	Top	A4
3D	Top	B4
3E	Top	A2
3F	Top	A1
3G	Top	B2
3H	Top	B2
6A	Top	C6
6B	Top	B5
6C	Bottom	C7
6D	Bottom	C7
6E	Top	B1
6F	Top	B5
7A	Top	B5
7B	Top	C5
7C	Top	B4
7D	Top	C4
7E	Top	B2
7F	Top	B1
7G	Top	C2
7H	Top	C2
8A	Top	C10
8B	Top	C10
8C	Top	C7
9A	Top	D10
9B	Top	D10
9C	Top	D7
10A	Top	D6
10B	Top	D5
10C	Bottom	D7
10D	Bottom	D7
10E	Top	C1
10F	Top	C5
11A	Top	C5
11B	Top	D5
11C	Top	C4
11D	Top	D4
11E	Top	C2
11F	Top	C1
11G	Top	D2
11H	Top	D2
13A	Top	E10
13B	Top	E10
13C	Top	E7

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
14A	Top	E6
14B	Top	E5
14C	Bottom	E7
14D	Bottom	E7
14E	Top	D1
14F	Top	D5
15A	Top	D5
15B	Top	E5
15C	Top	E4
15D	Top	E4
15E	Top	D2
15F	Top	E1
15G	Top	E2
15H	Top	E2
17A	Top	F10
17B	Top	F10
17C	Top	F7
18A	Top	F6
18B	Top	F5
18C	Bottom	F7
18D	Bottom	F7
18E	Top	E1
18F	Top	E5
19A	Top	E5
19B	Top	F5
19C	Top	F4
19D	Top	F4
19E	Top	E2
19F	Top	F1
19G	Top	F2
19H	Top	F2
21A	Top	G10
21B	Top	G10
21C	Top	G7
22A	Top	G6
22B	Top	G5
22C	Bottom	G7
22D	Bottom	G7
22E	Top	F1
22F	Top	G5
23A	Top	F5
23B	Top	G5
23C	Top	G4
23D	Top	G4
23E	Top	F2
23F	Top	G1
23G	Top	G2
23H	Top	G2
25A	Top	H10
25B	Top	H10
25C	Top	H7
26A	Top	H6
26B	Top	H5
26C	Bottom	H7
26D	Bottom	H7

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
26E	Top	G1
26F	Top	H5
27A	Top	G5
27B	Top	H5
27C	Top	H4
27D	Top	H4
27E	Top	H2
27F	Top	H1
27G	Top	H2
27H	Top	H2
29A	Top	I10
29B	Top	I10
29C	Top	I7
30A	Top	I6
30B	Top	I5
30C	Bottom	I7
30D	Bottom	I7
30E	Top	I1
30F	Top	I5
31A	Top	I5
31B	Top	I5
31C	Top	I4
31D	Top	I4
31E	Top	I2
31F	Top	I1
31G	Top	J2
31H	Top	I2
C1000	Bottom	B2
C1002	Bottom	A10
C1003	Bottom	A10
C1004	Bottom	A10
C1005	Top	A9
C1006	Bottom	A8
C1007	Bottom	A8
C1008	Bottom	A8
C1009	Top	A8
C1010	Top	A8
C1011	Bottom	B9
C1012	Top	A8
C1013	Top	A7
C1014	Top	A8
C1015	Top	A8
C1016	Bottom	B10
C1017	Bottom	A10
C1018	Bottom	B7
C1019	Bottom	A7
C1020	Top	B7
C1021	Top	B7
C1022	Bottom	B6
C1023	Bottom	A5
C1024	Bottom	A6
C1025	Bottom	A6
C1026	Bottom	A7
C1029	Bottom	B5
C1030	Top	A9

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
C1031	Bottom	B6
C1032	Bottom	B6
C1033	Top	B9
C1034	Bottom	B8
C1035	Top	A6
C1036	Top	A6
C1037	Top	A1
C1038	Bottom	A1
C1039	Bottom	A2
C1040	Top	A5
C1041	Top	A5
C1042	Top	A5
C1043	Top	B4
C1044	Top	B4
C1045	Bottom	A4
C1046	Bottom	A2
C1047	Top	B3
C1048	Top	A3
C1049	Top	A3
C1050	Top	A3
C1051	Bottom	A2
C1052	Bottom	A4
C1053	Top	A3
C1054	Top	A4
C1055	Top	A5
C1056	Bottom	B5
C1057	Bottom	B5
C1058	Bottom	A2
C1059	Top	A2
C1060	Bottom	B1
C1066	Top	B1
C1075	Top	B2
C1084	Bottom	A6
C1085	Bottom	A5
C1086	Bottom	A1
C1090	Bottom	A4
C1091	Bottom	B7
C1092	Bottom	B5
C1093	Bottom	B2
C1098	Bottom	A8
C1099	Bottom	B3
C1100	Bottom	B6
C1101	Bottom	A7
C1102	Bottom	A3
C1103	Bottom	B5
C1104	Bottom	A6
C1105	Bottom	B6
C1106	Bottom	B3
C1107	Bottom	A7
C1108	Bottom	A9
C1109	Top	B8
C2000	Bottom	C2
C2002	Bottom	B10
C2003	Bottom	C10
C2004	Bottom	B10

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
C2005	Top	B9
C2006	Bottom	B8
C2007	Bottom	B8
C2008	Bottom	B8
C2009	Top	B8
C2010	Top	B8
C2011	Bottom	C9
C2012	Top	B8
C2013	Top	B7
C2014	Top	B8
C2015	Top	C8
C2016	Bottom	C10
C2017	Bottom	B10
C2018	Bottom	C7
C2019	Bottom	B7
C2020	Top	C7
C2021	Top	C7
C2022	Bottom	C6
C2023	Bottom	B5
C2024	Bottom	B6
C2025	Bottom	B6
C2026	Bottom	B7
C2029	Bottom	C5
C2030	Top	B9
C2031	Bottom	C6
C2032	Bottom	C6
C2033	Top	C9
C2034	Bottom	C8
C2035	Top	B6
C2036	Top	B6
C2037	Top	B1
C2038	Bottom	B1
C2039	Bottom	B2
C2040	Top	B5
C2041	Top	B5
C2042	Top	B5
C2043	Top	C4
C2044	Top	C4
C2045	Bottom	C4
C2046	Bottom	B2
C2047	Top	C3
C2048	Top	B3
C2049	Top	B3
C2050	Top	B3
C2051	Bottom	B2
C2052	Bottom	B4
C2053	Top	B3
C2054	Top	B4
C2055	Top	B5
C2056	Bottom	C5
C2057	Bottom	C5
C2058	Bottom	C2
C2059	Top	B2
C2060	Bottom	C1
C2066	Top	C1

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
C2075	Top	C2
C2084	Bottom	B6
C2085	Bottom	B5
C2086	Bottom	C1
C2090	Bottom	B4
C2091	Bottom	C7
C2092	Bottom	C5
C2093	Bottom	C2
C2098	Bottom	B8
C2099	Bottom	C3
C2100	Bottom	C6
C2101	Bottom	B7
C2102	Bottom	B3
C2103	Bottom	C5
C2104	Bottom	B6
C2105	Bottom	C6
C2106	Bottom	C3
C2107	Bottom	B7
C2108	Bottom	C9
C2109	Top	C8
C3000	Bottom	D2
C3002	Bottom	C10
C3003	Bottom	D10
C3004	Bottom	C10
C3005	Top	C9
C3006	Bottom	C8
C3007	Bottom	C8
C3008	Bottom	D8
C3009	Top	C8
C3010	Top	D8
C3011	Bottom	D9
C3012	Top	C8
C3013	Top	C7
C3014	Top	C8
C3015	Top	D8
C3016	Bottom	D10
C3017	Bottom	D10
C3018	Bottom	D7
C3019	Bottom	D7
C3020	Top	D7
C3021	Top	D7
C3022	Bottom	D6
C3023	Bottom	C5
C3024	Bottom	C6
C3025	Bottom	C6
C3026	Bottom	C7
C3029	Bottom	D5
C3030	Top	D9
C3031	Bottom	D6
C3032	Bottom	D6
C3033	Top	D9
C3034	Bottom	D8
C3035	Top	C6
C3036	Top	C6
C3037	Top	C1

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
C3038	Bottom	C1
C3039	Bottom	C2
C3040	Top	C5
C3041	Top	C5
C3042	Top	C5
C3043	Top	D4
C3044	Top	D4
C3045	Bottom	D4
C3046	Bottom	C2
C3047	Top	D3
C3048	Top	C3
C3049	Top	C3
C3050	Top	C3
C3051	Bottom	C2
C3052	Bottom	C4
C3053	Top	C3
C3054	Top	C4
C3055	Top	C5
C3056	Bottom	D5
C3057	Bottom	D5
C3058	Bottom	D2
C3059	Top	C2
C3060	Bottom	D1
C3066	Top	D1
C3075	Top	D2
C3084	Bottom	C6
C3085	Bottom	C5
C3086	Bottom	D1
C3090	Bottom	C4
C3091	Bottom	D7
C3092	Bottom	D5
C3093	Bottom	D2
C3098	Bottom	D8
C3099	Bottom	D3
C3100	Bottom	D6
C3101	Bottom	C7
C3102	Bottom	D3
C3103	Bottom	D5
C3104	Bottom	C6
C3105	Bottom	D6
C3106	Bottom	D3
C3107	Bottom	C7
C3108	Bottom	D9
C3109	Top	D8
C4000	Bottom	E2
C4002	Bottom	D10
C4003	Bottom	E10
C4004	Bottom	D10
C4005	Top	D9
C4006	Bottom	E8
C4007	Bottom	D8
C4008	Bottom	E8
C4009	Top	D8
C4010	Top	E8
C4011	Bottom	E9

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
C4012	Top	D8
C4013	Top	D7
C4014	Top	D8
C4015	Top	E8
C4016	Bottom	E10
C4017	Bottom	E10
C4018	Bottom	E7
C4019	Bottom	E7
C4020	Top	E7
C4021	Top	E7
C4022	Bottom	E6
C4023	Bottom	D5
C4024	Bottom	D6
C4025	Bottom	E6
C4026	Bottom	E7
C4029	Bottom	E5
C4030	Top	E9
C4031	Bottom	E6
C4032	Bottom	E6
C4033	Top	E9
C4034	Bottom	E8
C4035	Top	D6
C4036	Top	E6
C4037	Top	D1
C4038	Bottom	D1
C4039	Bottom	D2
C4040	Top	E5
C4041	Top	D5
C4042	Top	D5
C4043	Top	E4
C4044	Top	E4
C4045	Bottom	E4
C4046	Bottom	E2
C4047	Top	E3
C4048	Top	D3
C4049	Top	D3
C4050	Top	D3
C4051	Bottom	D2
C4052	Bottom	D4
C4053	Top	D3
C4054	Top	D4
C4055	Top	E5
C4056	Bottom	E5
C4057	Bottom	E5
C4058	Bottom	E2
C4059	Top	E2
C4060	Bottom	E1
C4066	Top	E1
C4075	Top	E2
C4084	Bottom	D6
C4085	Bottom	D5
C4086	Bottom	E1
C4090	Bottom	E4
C4091	Bottom	E7
C4092	Bottom	E5

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
C4093	Bottom	E2
C4098	Bottom	E8
C4099	Bottom	E3
C4100	Bottom	E6
C4101	Bottom	E7
C4102	Bottom	E3
C4103	Bottom	E5
C4104	Bottom	D6
C4105	Bottom	E6
C4106	Bottom	E3
C4107	Bottom	D7
C4108	Bottom	E9
C4109	Top	E8
C5000	Bottom	F2
C5002	Bottom	F10
C5003	Bottom	F10
C5004	Bottom	E10
C5005	Top	E9
C5006	Bottom	F8
C5007	Bottom	E8
C5008	Bottom	F8
C5009	Top	E8
C5010	Top	F8
C5011	Bottom	F9
C5012	Top	E8
C5013	Top	E7
C5014	Top	E8
C5015	Top	F8
C5016	Bottom	F10
C5017	Bottom	F10
C5018	Bottom	F7
C5019	Bottom	F7
C5020	Top	F7
C5021	Top	F7
C5022	Bottom	F6
C5023	Bottom	E5
C5024	Bottom	E6
C5025	Bottom	F6
C5026	Bottom	F7
C5029	Bottom	F5
C5030	Top	F9
C5031	Bottom	F6
C5032	Bottom	F6
C5033	Top	F9
C5034	Bottom	F8
C5035	Top	E6
C5036	Top	F6
C5037	Top	E1
C5038	Bottom	E1
C5039	Bottom	E2
C5040	Top	F5
C5041	Top	E5
C5042	Top	E5
C5043	Top	F4
C5044	Top	F4

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
C5045	Bottom	F4
C5046	Bottom	F2
C5047	Top	F3
C5048	Top	F3
C5049	Top	E3
C5050	Top	E3
C5051	Bottom	F2
C5052	Bottom	F4
C5053	Top	E3
C5054	Top	E4
C5055	Top	F5
C5056	Bottom	F5
C5057	Bottom	F5
C5058	Bottom	F2
C5059	Top	F2
C5060	Bottom	F1
C5066	Top	F1
C5075	Top	F2
C5084	Bottom	E6
C5085	Bottom	E5
C5086	Bottom	F1
C5090	Bottom	F4
C5091	Bottom	F7
C5092	Bottom	F5
C5093	Bottom	F2
C5098	Bottom	F8
C5099	Bottom	F3
C5100	Bottom	F6
C5101	Bottom	F7
C5102	Bottom	F3
C5103	Bottom	F5
C5104	Bottom	F6
C5105	Bottom	F6
C5106	Bottom	F3
C5107	Bottom	E7
C5108	Bottom	F9
C5109	Top	F8
C6000	Bottom	G2
C6002	Bottom	G10
C6003	Bottom	G10
C6004	Bottom	F10
C6005	Top	F9
C6006	Bottom	G8
C6007	Bottom	G8
C6008	Bottom	G8
C6009	Top	G8
C6010	Top	G8
C6011	Bottom	G9
C6012	Top	G8
C6013	Top	G7
C6014	Top	G8
C6015	Top	G8
C6016	Bottom	G10
C6017	Bottom	G10
C6018	Bottom	G7

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
C6019	Bottom	G7
C6020	Top	G7
C6021	Top	G7
C6022	Bottom	G6
C6023	Bottom	F5
C6024	Bottom	F6
C6025	Bottom	G6
C6026	Bottom	G7
C6029	Bottom	G5
C6030	Top	G9
C6031	Bottom	G6
C6032	Bottom	G6
C6033	Top	G9
C6034	Bottom	G8
C6035	Top	F6
C6036	Top	G6
C6037	Top	G1
C6038	Bottom	G1
C6039	Bottom	G2
C6040	Top	G5
C6041	Top	F5
C6042	Top	G5
C6043	Top	G4
C6044	Top	G4
C6045	Bottom	G4
C6046	Bottom	G2
C6047	Top	G3
C6048	Top	G3
C6049	Top	F3
C6050	Top	G3
C6051	Bottom	G2
C6052	Bottom	G4
C6053	Top	G3
C6054	Top	G4
C6055	Top	G5
C6056	Bottom	G5
C6057	Bottom	G5
C6058	Bottom	G2
C6059	Top	G2
C6060	Bottom	G1
C6066	Top	G1
C6075	Top	G2
C6084	Bottom	G6
C6085	Bottom	F5
C6086	Bottom	G1
C6090	Bottom	G4
C6091	Bottom	G7
C6092	Bottom	G5
C6093	Bottom	G2
C6098	Bottom	G8
C6099	Bottom	G3
C6100	Bottom	G6
C6101	Bottom	G7
C6102	Bottom	G3
C6103	Bottom	G5

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
C6104	Bottom	G6
C6105	Bottom	G6
C6106	Bottom	G3
C6107	Bottom	G7
C6108	Bottom	G9
C6109	Top	G8
C7000	Bottom	H2
C7002	Bottom	H10
C7003	Bottom	H10
C7004	Bottom	G10
C7005	Top	H9
C7006	Bottom	H8
C7007	Bottom	H8
C7008	Bottom	H8
C7009	Top	H8
C7010	Top	H8
C7011	Bottom	H9
C7012	Top	H8
C7013	Top	H7
C7014	Top	H8
C7015	Top	H8
C7016	Bottom	H10
C7017	Bottom	H10
C7018	Bottom	H7
C7019	Bottom	H7
C7020	Top	H7
C7021	Top	H7
C7022	Bottom	H6
C7023	Bottom	H5
C7024	Bottom	G6
C7025	Bottom	H6
C7026	Bottom	H7
C7029	Bottom	H5
C7030	Top	H9
C7031	Bottom	H6
C7032	Bottom	H6
C7033	Top	H9
C7034	Bottom	H8
C7035	Top	H6
C7036	Top	H6
C7037	Top	H1
C7038	Bottom	H1
C7039	Bottom	H2
C7040	Top	H5
C7041	Top	H5
C7042	Top	H5
C7043	Top	H4
C7044	Top	H4
C7045	Bottom	H4
C7046	Bottom	H2
C7047	Top	H3
C7048	Top	H3
C7049	Top	H3
C7050	Top	H3
C7051	Bottom	H2

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
C7052	Bottom	H4
C7053	Top	H3
C7054	Top	H4
C7055	Top	H5
C7056	Bottom	H5
C7057	Bottom	H5
C7058	Bottom	H2
C7059	Top	H2
C7060	Bottom	H1
C7066	Top	H1
C7075	Top	H2
C7084	Bottom	H6
C7085	Bottom	G5
C7086	Bottom	H1
C7090	Bottom	H4
C7091	Bottom	H7
C7092	Bottom	H5
C7093	Bottom	H2
C7098	Bottom	H8
C7099	Bottom	H3
C7100	Bottom	H6
C7101	Bottom	H7
C7102	Bottom	H3
C7103	Bottom	H5
C7104	Bottom	H6
C7105	Bottom	H6
C7106	Bottom	H3
C7107	Bottom	H7
C7108	Bottom	H9
C7109	Top	H8
C8000	Bottom	I2
C8002	Bottom	I10
C8003	Bottom	I10
C8004	Bottom	I10
C8005	Top	I9
C8006	Bottom	I8
C8007	Bottom	I8
C8008	Bottom	I8
C8009	Top	I8
C8010	Top	I8
C8011	Bottom	I9
C8012	Top	I8
C8013	Top	I7
C8014	Top	I8
C8015	Top	I8
C8016	Bottom	I10
C8017	Bottom	I10
C8018	Bottom	I7
C8019	Bottom	I7
C8020	Top	I7
C8021	Top	I7
C8022	Bottom	I6
C8023	Bottom	I5
C8024	Bottom	I6
C8025	Bottom	I6

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
C8026	Bottom	I7
C8029	Bottom	I5
C8030	Top	I9
C8031	Bottom	I6
C8032	Bottom	I6
C8033	Top	I9
C8034	Bottom	I8
C8035	Top	I6
C8036	Top	I6
C8037	Top	I1
C8038	Bottom	I1
C8039	Bottom	I2
C8040	Top	I5
C8041	Top	I5
C8042	Top	I5
C8043	Top	I4
C8044	Top	J4
C8045	Bottom	I4
C8046	Bottom	I2
C8047	Top	I3
C8048	Top	I3
C8049	Top	I3
C8050	Top	I3
C8051	Bottom	I2
C8052	Bottom	I4
C8053	Top	I3
C8054	Top	I4
C8055	Top	I5
C8056	Bottom	I5
C8057	Bottom	I5
C8058	Bottom	I2
C8059	Top	I2
C8060	Bottom	I1
C8066	Top	J1
C8075	Top	I2
C8084	Bottom	I6
C8085	Bottom	I5
C8086	Bottom	I1
C8090	Bottom	I4
C8091	Bottom	I7
C8092	Bottom	I5
C8093	Bottom	I2
C8098	Bottom	I8
C8099	Bottom	J3
C8100	Bottom	I6
C8101	Bottom	I7
C8102	Bottom	I3
C8103	Bottom	I5
C8104	Bottom	I6
C8105	Bottom	J6
C8106	Bottom	I3
C8107	Bottom	I7
C8108	Bottom	I9
C8109	Top	I8
D1002	Bottom	B9

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
D1003	Bottom	B9
D2002	Bottom	C9
D2003	Bottom	C9
D3002	Bottom	D9
D3003	Bottom	D9
D4002	Bottom	E9
D4003	Bottom	E9
D5002	Bottom	F9
D5003	Bottom	F9
D6002	Bottom	G9
D6003	Bottom	G9
D7002	Bottom	H9
D7003	Bottom	H9
D8002	Bottom	I9
D8003	Bottom	I9
FID1	Bottom	A11
FID2	Bottom	A1
FID3	Bottom	J2
HP_D1	Top	B7
HP_D2	Top	D7
HP_D3	Top	E7
HP_D4	Top	F7
HP_D5	Top	G7
HP_D6	Top	H7
HP_D7	Top	I7
J100	Top	A1
J200	Top	B1
J300	Top	D1
J400	Top	E1
J500	Top	F1
J600	Top	G1
J700	Top	H1
J800	Top	I1
J1000	Top	B11
J3000	Top	D11
J5000	Top	F11
J7000	Top	H11
LG_L	Top	A7
LG_L1	Top	B7
LG_L2	Top	C7
LG_L3	Top	D7
LG_L4	Top	F7
LG_L5	Top	G7
LG_L6	Top	H7
LG_L7	Top	I7
LG_R	Top	A6
LG_R1	Top	B6
LG_R2	Top	D6
LG_R3	Top	E6
LG_R4	Top	F6
LG_R5	Top	G6
LG_R6	Top	H6
LG_R7	Top	I6
MTG1	Top	C1
MTG3	Top	E1

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
MTG4	Top	G1
MTG7	Top	A11
MTG8	Top	C11
MTG10	Top	G11
MTG11	Top	J11
MTG12	Top	A6
MTG13	Top	J6
POT1000	Top	A9
POT1001	Top	A6
POT1002	Top	A7
POT1012	Top	A2
POT1013	Top	A5
POT1014	Top	A4
POT1015	Top	A4
POT1016	Top	A2
POT1017	Top	A3
POT2000	Top	B9
POT2001	Top	B6
POT2002	Top	B7
POT2012	Top	B2
POT2013	Top	B5
POT2014	Top	C4
POT2015	Top	B4
POT2016	Top	B2
POT2017	Top	C3
POT3000	Top	C9
POT3001	Top	C6
POT3002	Top	C7
POT3012	Top	C2
POT3013	Top	C5
POT3014	Top	D4
POT3015	Top	C4
POT3016	Top	C2
POT3017	Top	D3
POT4000	Top	E9
POT4001	Top	E6
POT4002	Top	E7
POT4012	Top	E2
POT4013	Top	E5
POT4014	Top	E4
POT4015	Top	E4
POT4016	Top	E2
POT4017	Top	E3
POT5000	Top	F9
POT5001	Top	F6
POT5002	Top	F7
POT5012	Top	F2
POT5013	Top	F5
POT5014	Top	F4
POT5015	Top	F4
POT5016	Top	F2
POT5017	Top	F3
POT6000	Top	G9
POT6001	Top	G6
POT6002	Top	G7

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
POT6012	Top	G2
POT6013	Top	G5
POT6014	Top	G4
POT6015	Top	G4
POT6016	Top	G2
POT6017	Top	G3
POT7000	Top	H9
POT7001	Top	H6
POT7002	Top	H7
POT7012	Top	H2
POT7013	Top	H5
POT7014	Top	H4
POT7015	Top	H4
POT7016	Top	H2
POT7017	Top	H3
POT8000	Top	I9
POT8001	Top	I6
POT8002	Top	I7
POT8012	Top	I2
POT8013	Top	I5
POT8014	Top	I4
POT8015	Top	I4
POT8016	Top	I2
POT8017	Top	I3
Q1000	Top	B10
Q1001	Top	B10
Q1002	Bottom	A10
Q1003	Bottom	A10
Q2000	Top	C10
Q2001	Top	C10
Q2002	Bottom	B10
Q2003	Bottom	B10
Q3000	Top	D10
Q3001	Top	D10
Q3002	Bottom	C10
Q3003	Bottom	D10
Q4000	Top	E10
Q4001	Top	E10
Q4002	Bottom	D10
Q4003	Bottom	E10
Q5000	Top	F10
Q5001	Top	F10
Q5002	Bottom	E10
Q5003	Bottom	F10
Q6000	Top	G10
Q6001	Top	G10
Q6002	Bottom	G10
Q6003	Bottom	G10
Q7000	Top	H10
Q7001	Top	H10
Q7002	Bottom	H10
Q7003	Bottom	H10
Q8000	Top	I10
Q8001	Top	I10
Q8002	Bottom	I10

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
Q8003	Bottom	I10
R1000	Bottom	A8
R1001	Bottom	A8
R1002	Top	A10
R1003	Top	A10
R1004	Bottom	A9
R1005	Bottom	A9
R1006	Top	A10
R1007	Top	A10
R1008	Top	B10
R1009	Top	A10
R1010	Bottom	B9
R1011	Bottom	A9
R1012	Bottom	B9
R1013	Top	B10
R1014	Top	B10
R1015	Bottom	B8
R1016	Bottom	A8
R1017	Bottom	A8
R1018	Bottom	A8
R1019	Bottom	A7
R1020	Bottom	A8
R1021	Bottom	A7
R1022	Bottom	B7
R1023	Bottom	A7
R1024	Bottom	B7
R1025	Bottom	A9
R1026	Bottom	A9
R1027	Bottom	B7
R1028	Bottom	A8
R1029	Bottom	A8
R1030	Bottom	B7
R1031	Bottom	A5
R1032	Bottom	A6
R1033	Bottom	A5
R1034	Bottom	B7
R1035	Bottom	A9
R1036	Bottom	B9
R1037	Bottom	B9
R1038	Bottom	B9
R1039	Bottom	A9
R1040	Bottom	B8
R1041	Bottom	A8
R1042	Bottom	A8
R1043	Bottom	A8
R1044	Bottom	B7
R1045	Bottom	A7
R1046	Bottom	A7
R1047	Bottom	A6
R1048	Bottom	A7
R1049	Bottom	A6
R1050	Bottom	A7
R1051	Bottom	A6
R1052	Bottom	A6
R1053	Bottom	A11

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R1054	Bottom	B11
R1055	Bottom	B5
R1056	Bottom	A5
R1057	Bottom	B6
R1058	Bottom	A6
R1059	Bottom	B6
R1060	Bottom	B5
R1061	Bottom	B6
R1062	Bottom	B6
R1063	Bottom	A2
R1064	Bottom	A2
R1065	Bottom	A2
R1066	Bottom	A2
R1067	Bottom	A2
R1068	Bottom	A5
R1069	Bottom	A5
R1070	Bottom	A5
R1071	Bottom	B4
R1072	Bottom	B4
R1073	Bottom	A4
R1074	Bottom	A4
R1075	Bottom	B4
R1076	Bottom	A4
R1077	Bottom	A3
R1078	Bottom	A2
R1079	Bottom	A2
R1080	Bottom	A3
R1081	Bottom	A3
R1082	Bottom	A3
R1083	Bottom	A3
R1084	Bottom	A3
R1085	Bottom	A2
R1086	Bottom	A2
R1087	Bottom	A2
R1088	Bottom	A3
R1089	Bottom	A3
R1090	Bottom	A4
R1091	Bottom	A4
R1092	Bottom	A4
R1093	Bottom	A4
R1094	Bottom	A4
R1095	Bottom	A5
R1096	Bottom	A5
R1097	Bottom	B5
R1098	Bottom	A5
R1099	Bottom	A5
R1100	Bottom	B5
R1101	Bottom	A5
R1102	Bottom	B2
R1103	Bottom	A2
R1104	Bottom	A2
R1105	Bottom	A1
R1106	Bottom	B1
R1109	Bottom	A1
R1110	Bottom	A1

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R1122	Bottom	A1
R1128	Bottom	B1
R1178	Bottom	A9
R1179	Top	A10
R1180	Top	A10
R1181	Bottom	B8
R2000	Bottom	B8
R2001	Bottom	B8
R2002	Top	B10
R2003	Top	B10
R2004	Bottom	B9
R2005	Bottom	B9
R2006	Top	C10
R2007	Top	B10
R2008	Top	C10
R2009	Top	B10
R2010	Bottom	C9
R2011	Bottom	C9
R2012	Bottom	C9
R2013	Top	C10
R2014	Top	C10
R2015	Bottom	C8
R2016	Bottom	B8
R2017	Bottom	B8
R2018	Bottom	B8
R2019	Bottom	B7
R2020	Bottom	B8
R2021	Bottom	B7
R2022	Bottom	C7
R2023	Bottom	C7
R2024	Bottom	C7
R2025	Bottom	B9
R2026	Bottom	B9
R2027	Bottom	C7
R2028	Bottom	B8
R2029	Bottom	B8
R2030	Bottom	C7
R2031	Bottom	B5
R2032	Bottom	B6
R2033	Bottom	B5
R2034	Bottom	C7
R2035	Bottom	B9
R2036	Bottom	C9
R2037	Bottom	C9
R2038	Bottom	C9
R2039	Bottom	B9
R2040	Bottom	C8
R2041	Bottom	C8
R2042	Bottom	B8
R2043	Bottom	B8
R2044	Bottom	C7
R2045	Bottom	C7
R2046	Bottom	C7
R2047	Bottom	B6
R2048	Bottom	B7

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R2049	Bottom	B6
R2050	Bottom	B7
R2051	Bottom	C6
R2052	Bottom	C6
R2053	Bottom	B11
R2054	Bottom	B11
R2055	Bottom	C5
R2056	Bottom	C5
R2057	Bottom	C6
R2058	Bottom	C6
R2059	Bottom	C6
R2060	Bottom	C5
R2061	Bottom	C6
R2062	Bottom	C6
R2063	Bottom	B2
R2064	Bottom	B2
R2065	Bottom	B2
R2066	Bottom	B2
R2067	Bottom	B2
R2068	Bottom	B5
R2069	Bottom	B5
R2070	Bottom	B5
R2071	Bottom	C4
R2072	Bottom	C4
R2073	Bottom	C4
R2074	Bottom	B4
R2075	Bottom	C4
R2076	Bottom	B4
R2077	Bottom	B3
R2078	Bottom	B2
R2079	Bottom	B2
R2080	Bottom	B3
R2081	Bottom	B3
R2082	Bottom	B3
R2083	Bottom	B3
R2084	Bottom	B3
R2085	Bottom	B2
R2086	Bottom	B2
R2087	Bottom	B2
R2088	Bottom	B3
R2089	Bottom	B3
R2090	Bottom	B4
R2091	Bottom	B4
R2092	Bottom	B4
R2093	Bottom	B4
R2094	Bottom	B4
R2095	Bottom	B5
R2096	Bottom	B5
R2097	Bottom	C5
R2098	Bottom	B5
R2099	Bottom	B5
R2100	Bottom	C5
R2101	Bottom	B5
R2102	Bottom	C2
R2103	Bottom	B2

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R2104	Bottom	B2
R2105	Bottom	B1
R2106	Bottom	C1
R2109	Bottom	B1
R2110	Bottom	B1
R2122	Bottom	B1
R2128	Bottom	C1
R2178	Bottom	B9
R2179	Top	B10
R2180	Top	B10
R2181	Bottom	C8
R3000	Bottom	C8
R3001	Bottom	C8
R3002	Top	C10
R3003	Top	D10
R3004	Bottom	C9
R3005	Bottom	C9
R3006	Top	D10
R3007	Top	C10
R3008	Top	D10
R3009	Top	D10
R3010	Bottom	D9
R3011	Bottom	D9
R3012	Bottom	D9
R3013	Top	D10
R3014	Top	D10
R3015	Bottom	D8
R3016	Bottom	D8
R3017	Bottom	C8
R3018	Bottom	C8
R3019	Bottom	C7
R3020	Bottom	C8
R3021	Bottom	C7
R3022	Bottom	D7
R3023	Bottom	D7
R3024	Bottom	D7
R3025	Bottom	C9
R3026	Bottom	D9
R3027	Bottom	D7
R3028	Bottom	C8
R3029	Bottom	C8
R3030	Bottom	D7
R3031	Bottom	C5
R3032	Bottom	C6
R3033	Bottom	C5
R3034	Bottom	D7
R3035	Bottom	D9
R3036	Bottom	D9
R3037	Bottom	D9
R3038	Bottom	D9
R3039	Bottom	C9
R3040	Bottom	D8
R3041	Bottom	D8
R3042	Bottom	D8
R3043	Bottom	C8

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R3044	Bottom	D7
R3045	Bottom	D7
R3046	Bottom	D7
R3047	Bottom	C6
R3048	Bottom	C7
R3049	Bottom	C6
R3050	Bottom	C7
R3051	Bottom	D6
R3052	Bottom	D6
R3053	Bottom	D11
R3054	Bottom	D11
R3055	Bottom	D5
R3056	Bottom	D5
R3057	Bottom	D6
R3058	Bottom	D6
R3059	Bottom	D6
R3060	Bottom	D5
R3061	Bottom	D6
R3062	Bottom	D6
R3063	Bottom	C2
R3064	Bottom	C2
R3065	Bottom	C2
R3066	Bottom	C2
R3067	Bottom	C2
R3068	Bottom	C5
R3069	Bottom	C5
R3070	Bottom	C5
R3071	Bottom	D4
R3072	Bottom	D4
R3073	Bottom	D4
R3074	Bottom	D4
R3075	Bottom	D4
R3076	Bottom	C4
R3077	Bottom	C3
R3078	Bottom	D2
R3079	Bottom	C2
R3080	Bottom	C3
R3081	Bottom	C3
R3082	Bottom	C3
R3083	Bottom	D3
R3084	Bottom	C3
R3085	Bottom	C2
R3086	Bottom	C2
R3087	Bottom	C2
R3088	Bottom	C3
R3089	Bottom	C3
R3090	Bottom	C4
R3091	Bottom	C4
R3092	Bottom	C4
R3093	Bottom	C4
R3094	Bottom	C4
R3095	Bottom	C5
R3096	Bottom	C5
R3097	Bottom	D5
R3098	Bottom	C5

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R3099	Bottom	C5
R3100	Bottom	D5
R3101	Bottom	C5
R3102	Bottom	D2
R3103	Bottom	C2
R3104	Bottom	C2
R3105	Bottom	C1
R3106	Bottom	D1
R3109	Bottom	C1
R3110	Bottom	C1
R3122	Bottom	D1
R3128	Bottom	D1
R3178	Bottom	C9
R3179	Top	C10
R3180	Top	C10
R3181	Bottom	D8
R4000	Bottom	D8
R4001	Bottom	D8
R4002	Top	D10
R4003	Top	E10
R4004	Bottom	D9
R4005	Bottom	D9
R4006	Top	E10
R4007	Top	E10
R4008	Top	E10
R4009	Top	E10
R4010	Bottom	E9
R4011	Bottom	E9
R4012	Bottom	E9
R4013	Top	E10
R4014	Top	E10
R4015	Bottom	E8
R4016	Bottom	E8
R4017	Bottom	D8
R4018	Bottom	D8
R4019	Bottom	E7
R4020	Bottom	D8
R4021	Bottom	D7
R4022	Bottom	E7
R4023	Bottom	E7
R4024	Bottom	E7
R4025	Bottom	E9
R4026	Bottom	E9
R4027	Bottom	E7
R4028	Bottom	D8
R4029	Bottom	E8
R4030	Bottom	E7
R4031	Bottom	D5
R4032	Bottom	D6
R4033	Bottom	E5
R4034	Bottom	E7
R4035	Bottom	E9
R4036	Bottom	E9
R4037	Bottom	E9
R4038	Bottom	E9

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R4039	Bottom	E9
R4040	Bottom	E8
R4041	Bottom	E8
R4042	Bottom	E8
R4043	Bottom	E8
R4044	Bottom	E7
R4045	Bottom	E7
R4046	Bottom	E7
R4047	Bottom	D6
R4048	Bottom	D7
R4049	Bottom	D6
R4050	Bottom	D7
R4051	Bottom	E6
R4052	Bottom	E6
R4053	Bottom	D11
R4054	Bottom	E11
R4055	Bottom	E5
R4056	Bottom	E5
R4057	Bottom	E6
R4058	Bottom	E6
R4059	Bottom	E6
R4060	Bottom	E5
R4061	Bottom	E6
R4062	Bottom	E6
R4063	Bottom	E2
R4064	Bottom	D2
R4065	Bottom	D2
R4066	Bottom	D2
R4067	Bottom	D2
R4068	Bottom	E5
R4069	Bottom	D5
R4070	Bottom	D5
R4071	Bottom	E4
R4072	Bottom	E4
R4073	Bottom	E4
R4074	Bottom	E4
R4075	Bottom	E4
R4076	Bottom	E4
R4077	Bottom	E3
R4078	Bottom	E2
R4079	Bottom	D2
R4080	Bottom	D3
R4081	Bottom	D3
R4082	Bottom	E3
R4083	Bottom	E3
R4084	Bottom	D3
R4085	Bottom	D2
R4086	Bottom	D2
R4087	Bottom	D2
R4088	Bottom	D3
R4089	Bottom	D3
R4090	Bottom	E4
R4091	Bottom	D4
R4092	Bottom	D4
R4093	Bottom	D4

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R4094	Bottom	D4
R4095	Bottom	D5
R4096	Bottom	D5
R4097	Bottom	E5
R4098	Bottom	D5
R4099	Bottom	D5
R4100	Bottom	E5
R4101	Bottom	E5
R4102	Bottom	E2
R4103	Bottom	E2
R4104	Bottom	E2
R4105	Bottom	E1
R4106	Bottom	E1
R4109	Bottom	D1
R4110	Bottom	D1
R4122	Bottom	E1
R4128	Bottom	E1
R4178	Bottom	D9
R4179	Top	D10
R4180	Top	D10
R4181	Bottom	E8
R5000	Bottom	E8
R5001	Bottom	E8
R5002	Top	F10
R5003	Top	F10
R5004	Bottom	E9
R5005	Bottom	E9
R5006	Top	F10
R5007	Top	F10
R5008	Top	F10
R5009	Top	F10
R5010	Bottom	F9
R5011	Bottom	F9
R5012	Bottom	F9
R5013	Top	F10
R5014	Top	F10
R5015	Bottom	F8
R5016	Bottom	F8
R5017	Bottom	E8
R5018	Bottom	E8
R5019	Bottom	F7
R5020	Bottom	E8
R5021	Bottom	E7
R5022	Bottom	F7
R5023	Bottom	F7
R5024	Bottom	F7
R5025	Bottom	F9
R5026	Bottom	F9
R5027	Bottom	F7
R5028	Bottom	E8
R5029	Bottom	F8
R5030	Bottom	F7
R5031	Bottom	E5
R5032	Bottom	E6
R5033	Bottom	F5

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R5034	Bottom	F7
R5035	Bottom	F9
R5036	Bottom	F9
R5037	Bottom	F9
R5038	Bottom	F9
R5039	Bottom	F9
R5040	Bottom	F8
R5041	Bottom	F8
R5042	Bottom	F8
R5043	Bottom	F8
R5044	Bottom	F7
R5045	Bottom	F7
R5046	Bottom	F7
R5047	Bottom	F6
R5048	Bottom	E7
R5049	Bottom	E6
R5050	Bottom	E7
R5051	Bottom	F6
R5052	Bottom	F6
R5053	Bottom	F11
R5054	Bottom	F11
R5055	Bottom	F5
R5056	Bottom	F5
R5057	Bottom	F6
R5058	Bottom	F6
R5059	Bottom	F6
R5060	Bottom	F5
R5061	Bottom	F6
R5062	Bottom	F6
R5063	Bottom	F2
R5064	Bottom	F2
R5065	Bottom	E2
R5066	Bottom	E2
R5067	Bottom	F2
R5068	Bottom	F5
R5069	Bottom	E5
R5070	Bottom	E5
R5071	Bottom	F4
R5072	Bottom	F4
R5073	Bottom	F4
R5074	Bottom	F4
R5075	Bottom	F4
R5076	Bottom	F4
R5077	Bottom	F3
R5078	Bottom	F2
R5079	Bottom	F2
R5080	Bottom	E3
R5081	Bottom	F3
R5082	Bottom	F3
R5083	Bottom	F3
R5084	Bottom	E3
R5085	Bottom	E2
R5086	Bottom	E2
R5087	Bottom	E2
R5088	Bottom	E3

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R5089	Bottom	E3
R5090	Bottom	F4
R5091	Bottom	E4
R5092	Bottom	E3
R5093	Bottom	E4
R5094	Bottom	F4
R5095	Bottom	E5
R5096	Bottom	E5
R5097	Bottom	F5
R5098	Bottom	F5
R5099	Bottom	F5
R5100	Bottom	F5
R5101	Bottom	F5
R5102	Bottom	F2
R5103	Bottom	F2
R5104	Bottom	F2
R5105	Bottom	F1
R5106	Bottom	F1
R5109	Bottom	E1
R5110	Bottom	E1
R5122	Bottom	F1
R5128	Bottom	F1
R5178	Bottom	E9
R5179	Top	E10
R5180	Top	E10
R5181	Bottom	F8
R6000	Bottom	F8
R6001	Bottom	F8
R6002	Top	G10
R6003	Top	G10
R6004	Bottom	F9
R6005	Bottom	F9
R6006	Top	G10
R6007	Top	G10
R6008	Top	G10
R6009	Top	G10
R6010	Bottom	G9
R6011	Bottom	G9
R6012	Bottom	G9
R6013	Top	G10
R6014	Top	G10
R6015	Bottom	G8
R6016	Bottom	G8
R6017	Bottom	F8
R6018	Bottom	G8
R6019	Bottom	G7
R6020	Bottom	G8
R6021	Bottom	G7
R6022	Bottom	G7
R6023	Bottom	G7
R6024	Bottom	G7
R6025	Bottom	G9
R6026	Bottom	G9
R6027	Bottom	G7
R6028	Bottom	F8

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R6029	Bottom	G8
R6030	Bottom	G7
R6031	Bottom	G5
R6032	Bottom	F6
R6033	Bottom	G5
R6034	Bottom	G7
R6035	Bottom	G9
R6036	Bottom	G9
R6037	Bottom	G9
R6038	Bottom	G9
R6039	Bottom	G9
R6040	Bottom	G8
R6041	Bottom	G8
R6042	Bottom	G8
R6043	Bottom	G8
R6044	Bottom	G7
R6045	Bottom	G7
R6046	Bottom	G7
R6047	Bottom	G6
R6048	Bottom	G7
R6049	Bottom	G6
R6050	Bottom	G7
R6051	Bottom	G6
R6052	Bottom	G6
R6053	Bottom	G11
R6054	Bottom	G11
R6055	Bottom	G5
R6056	Bottom	G5
R6057	Bottom	G6
R6058	Bottom	G6
R6059	Bottom	G6
R6060	Bottom	G5
R6061	Bottom	G6
R6062	Bottom	G6
R6063	Bottom	G2
R6064	Bottom	G2
R6065	Bottom	G2
R6066	Bottom	G2
R6067	Bottom	G2
R6068	Bottom	G5
R6069	Bottom	G5
R6070	Bottom	F5
R6071	Bottom	G4
R6072	Bottom	G4
R6073	Bottom	G4
R6074	Bottom	G4
R6075	Bottom	G4
R6076	Bottom	G4
R6077	Bottom	G3
R6078	Bottom	G2
R6079	Bottom	G2
R6080	Bottom	F3
R6081	Bottom	G3
R6082	Bottom	G3
R6083	Bottom	G3

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R6084	Bottom	F3
R6085	Bottom	F2
R6086	Bottom	F2
R6087	Bottom	G2
R6088	Bottom	G3
R6089	Bottom	G3
R6090	Bottom	G4
R6091	Bottom	G4
R6092	Bottom	F4
R6093	Bottom	F4
R6094	Bottom	G4
R6095	Bottom	G5
R6096	Bottom	F5
R6097	Bottom	G5
R6098	Bottom	G5
R6099	Bottom	G5
R6100	Bottom	G5
R6101	Bottom	G5
R6102	Bottom	G2
R6103	Bottom	G2
R6104	Bottom	G2
R6105	Bottom	G1
R6106	Bottom	G1
R6109	Bottom	G1
R6110	Bottom	G1
R6122	Bottom	G1
R6128	Bottom	G1
R6178	Bottom	F9
R6179	Top	F10
R6180	Top	F10
R6181	Bottom	G8
R7000	Bottom	G8
R7001	Bottom	G8
R7002	Top	H10
R7003	Top	H10
R7004	Bottom	H9
R7005	Bottom	H9
R7006	Top	H10
R7007	Top	H10
R7008	Top	H10
R7009	Top	H10
R7010	Bottom	H9
R7011	Bottom	H9
R7012	Bottom	H9
R7013	Top	H10
R7014	Top	H10
R7015	Bottom	H8
R7016	Bottom	H8
R7017	Bottom	G8
R7018	Bottom	H8
R7019	Bottom	H7
R7020	Bottom	H8
R7021	Bottom	H7
R7022	Bottom	H7
R7023	Bottom	H7

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R7024	Bottom	H7
R7025	Bottom	H9
R7026	Bottom	H9
R7027	Bottom	H7
R7028	Bottom	H8
R7029	Bottom	H8
R7030	Bottom	H7
R7031	Bottom	H5
R7032	Bottom	H6
R7033	Bottom	H5
R7034	Bottom	H7
R7035	Bottom	H9
R7036	Bottom	H9
R7037	Bottom	H9
R7038	Bottom	H9
R7039	Bottom	H9
R7040	Bottom	H8
R7041	Bottom	H8
R7042	Bottom	H8
R7043	Bottom	H8
R7044	Bottom	H7
R7045	Bottom	H7
R7046	Bottom	H7
R7047	Bottom	H6
R7048	Bottom	H7
R7049	Bottom	H6
R7050	Bottom	H7
R7051	Bottom	H6
R7052	Bottom	H6
R7053	Bottom	H11
R7054	Bottom	H11
R7055	Bottom	H5
R7056	Bottom	H5
R7057	Bottom	H6
R7058	Bottom	H6
R7059	Bottom	H6
R7060	Bottom	H5
R7061	Bottom	H6
R7062	Bottom	H6
R7063	Bottom	H2
R7064	Bottom	H2
R7065	Bottom	H2
R7066	Bottom	H2
R7067	Bottom	H2
R7068	Bottom	H5
R7069	Bottom	H5
R7070	Bottom	H5
R7071	Bottom	H4
R7072	Bottom	H4
R7073	Bottom	H4
R7074	Bottom	H4
R7075	Bottom	H4
R7076	Bottom	H4
R7077	Bottom	H3
R7078	Bottom	H2

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R7079	Bottom	H2
R7080	Bottom	H3
R7081	Bottom	H3
R7082	Bottom	H3
R7083	Bottom	H3
R7084	Bottom	H3
R7085	Bottom	H2
R7086	Bottom	H2
R7087	Bottom	H2
R7088	Bottom	H3
R7089	Bottom	H3
R7090	Bottom	H4
R7091	Bottom	H4
R7092	Bottom	H4
R7093	Bottom	H4
R7094	Bottom	H4
R7095	Bottom	H5
R7096	Bottom	H5
R7097	Bottom	H5
R7098	Bottom	H5
R7099	Bottom	H5
R7100	Bottom	H5
R7101	Bottom	H5
R7102	Bottom	H2
R7103	Bottom	H2
R7104	Bottom	H2
R7105	Bottom	H1
R7106	Bottom	H1
R7109	Bottom	H1
R7110	Bottom	H1
R7122	Bottom	H1
R7128	Bottom	H1
R7178	Bottom	G9
R7179	Top	H10
R7180	Top	G10
R7181	Bottom	H8
R8000	Bottom	I8
R8001	Bottom	I8
R8002	Top	I10
R8003	Top	I10
R8004	Bottom	I9
R8005	Bottom	I9
R8006	Top	I10
R8007	Top	I10
R8008	Top	I10
R8009	Top	I10
R8010	Bottom	I9
R8011	Bottom	I9
R8012	Bottom	I9
R8013	Top	I10
R8014	Top	I10
R8015	Bottom	I8
R8016	Bottom	I8
R8017	Bottom	I8
R8018	Bottom	I8

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R8019	Bottom	I7
R8020	Bottom	I8
R8021	Bottom	I7
R8022	Bottom	I7
R8023	Bottom	I7
R8024	Bottom	J7
R8025	Bottom	I9
R8026	Bottom	I9
R8027	Bottom	J7
R8028	Bottom	I8
R8029	Bottom	I8
R8030	Bottom	J7
R8031	Bottom	I5
R8032	Bottom	I6
R8033	Bottom	I5
R8034	Bottom	I7
R8035	Bottom	I9
R8036	Bottom	I9
R8037	Bottom	I9
R8038	Bottom	I9
R8039	Bottom	I9
R8040	Bottom	I8
R8041	Bottom	I8
R8042	Bottom	I8
R8043	Bottom	I8
R8044	Bottom	I7
R8045	Bottom	I7
R8046	Bottom	I7
R8047	Bottom	I6
R8048	Bottom	I7
R8049	Bottom	I6
R8050	Bottom	I7
R8051	Bottom	I6
R8052	Bottom	I6
R8053	Bottom	I11
R8054	Bottom	I11
R8055	Bottom	I5
R8056	Bottom	I5
R8057	Bottom	I6
R8058	Bottom	I6
R8059	Bottom	I6
R8060	Bottom	I5
R8061	Bottom	I6
R8062	Bottom	J6
R8063	Bottom	I2
R8064	Bottom	I2
R8065	Bottom	I2
R8066	Bottom	I2
R8067	Bottom	I2
R8068	Bottom	I5
R8069	Bottom	I5
R8070	Bottom	I5
R8071	Bottom	I4
R8072	Bottom	I4
R8073	Bottom	I4

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R8074	Bottom	I4
R8075	Bottom	I4
R8076	Bottom	I4
R8077	Bottom	I3
R8078	Bottom	I2
R8079	Bottom	I2
R8080	Bottom	I3
R8081	Bottom	I3
R8082	Bottom	I3
R8083	Bottom	I3
R8084	Bottom	I3
R8085	Bottom	I2
R8086	Bottom	I2
R8087	Bottom	I2
R8088	Bottom	I3
R8089	Bottom	I3
R8090	Bottom	I4
R8091	Bottom	I4
R8092	Bottom	I4
R8093	Bottom	I4
R8094	Bottom	I4
R8095	Bottom	I5
R8096	Bottom	I5
R8097	Bottom	I5
R8098	Bottom	I5
R8099	Bottom	I5
R8100	Bottom	J5
R8101	Bottom	I5
R8102	Bottom	I2
R8103	Bottom	I2
R8104	Bottom	I2
R8105	Bottom	I1
R8106	Bottom	I1
R8109	Bottom	I1
R8110	Bottom	I1
R8122	Bottom	I1
R8128	Bottom	I1
R8178	Bottom	I9
R8179	Top	I10
R8180	Top	I10
R8181	Bottom	I8
S1000	Top	B8
S1001	Top	A8
S1002	Top	A7
S1003	Top	B1
S1004	Top	B9
S1008	Top	A1
S1020	Top	A10
S2000	Top	C8
S2001	Top	B8
S2002	Top	B7
S2003	Top	C1
S2004	Top	C9
S2008	Top	B1
S2020	Top	B10

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
S3000	Top	D8
S3001	Top	C8
S3002	Top	C7
S3003	Top	D1
S3004	Top	D9
S3008	Top	C1
S3020	Top	C10
S4000	Top	E8
S4001	Top	D8
S4002	Top	D7
S4003	Top	E1
S4004	Top	E9
S4008	Top	D1
S4020	Top	D10
S5000	Top	F8
S5001	Top	E8
S5002	Top	E7
S5003	Top	F1
S5004	Top	F9
S5008	Top	E1
S5020	Top	E10
S6000	Top	G8
S6001	Top	G8
S6002	Top	G7
S6003	Top	G1
S6004	Top	G9
S6008	Top	G1
S6020	Top	G10
S7000	Top	H8
S7001	Top	H8
S7002	Top	H7
S7003	Top	H1
S7004	Top	H9
S7008	Top	H1
S7020	Top	H10
S8000	Top	I8
S8001	Top	I8
S8002	Top	I7
S8003	Top	I1
S8004	Top	I9
S8008	Top	I1
S8020	Top	I10
T1	Top	A1
T2	Top	A1
T3	Top	J1
T6	Top	A11
T7	Top	J11
U1000	Bottom	B3
U1001	Bottom	B8
U1002	Bottom	A6
U1003	Bottom	B7
U1004	Bottom	A7
U1005	Bottom	B6
U1010	Bottom	B2
U1011	Bottom	B4

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
U1012	Bottom	B2
U1013	Bottom	B5
U2000	Bottom	C3
U2001	Bottom	C8
U2002	Bottom	B6
U2003	Bottom	C7
U2004	Bottom	B7
U2005	Bottom	C6
U2010	Bottom	C2
U2011	Bottom	C4
U2012	Bottom	C2
U2013	Bottom	C5
U3000	Bottom	D3
U3001	Bottom	D8
U3002	Bottom	C6
U3003	Bottom	D7
U3004	Bottom	C7
U3005	Bottom	D6
U3010	Bottom	D2
U3011	Bottom	D4
U3012	Bottom	D2
U3013	Bottom	D5
U4000	Bottom	E3
U4001	Bottom	E8
U4002	Bottom	D6
U4003	Bottom	E7
U4004	Bottom	E7
U4005	Bottom	E6
U4010	Bottom	E2
U4011	Bottom	E4
U4012	Bottom	E2
U4013	Bottom	E5
U5000	Bottom	F3
U5001	Bottom	F8
U5002	Bottom	E6
U5003	Bottom	F7
U5004	Bottom	F7
U5005	Bottom	F6
U5010	Bottom	F2
U5011	Bottom	F4
U5012	Bottom	F2
U5013	Bottom	F5
U6000	Bottom	G3
U6001	Bottom	G8
U6002	Bottom	F6
U6003	Bottom	G7
U6004	Bottom	G7
U6005	Bottom	G6
U6010	Bottom	G2
U6011	Bottom	G4
U6012	Bottom	G2
U6013	Bottom	G5
U7000	Bottom	H3
U7001	Bottom	H8
U7002	Bottom	H6

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
U7003	Bottom	H7
U7004	Bottom	H7
U7005	Bottom	H6
U7010	Bottom	H2
U7011	Bottom	H4
U7012	Bottom	H2
U7013	Bottom	H5
U8000	Bottom	I3
U8001	Bottom	I8
U8002	Bottom	I6
U8003	Bottom	I7
U8004	Bottom	I7
U8005	Bottom	I6
U8010	Bottom	I2
U8011	Bottom	I4
U8012	Bottom	I2
U8013	Bottom	I5
Z1000	Bottom	A9
Z1001	Bottom	A9
Z2000	Bottom	B9
Z2001	Bottom	B9
Z3000	Bottom	C9
Z3001	Bottom	C9
Z4000	Bottom	D9
Z4001	Bottom	D9
Z5000	Bottom	F9
Z5001	Bottom	F9
Z6000	Bottom	G9
Z6001	Bottom	G9
Z7000	Bottom	H9
Z7001	Bottom	H9
Z8000	Bottom	I9
Z8001	Bottom	I9



KLARK TEKNIK GROUP



Parent Part Identifier Range: V0004-02-1 - V0004-02-1, Effective: 07/01/2004

Part Identifier	Description	Quantity	Reference Text
Verona Multifunction Input Module Upper pcb Assembly			
ACBLX-1838-2	16W LUMBERG RIB CBLE 60MM	8	J100,J200,J300,J400,J500,J600,J700,J800
CAP06-GK510050	100N 0805 SMD CERMIC 10%	144	C1000,C1084,C1085,C1086,C1090,C1091, C1092,C1093,C1098,C1099,C1100,C1101, C1102,C1103,C1104,C1105,C1106,C1107, C2000,C2084,C2085,C2086,C2090,C2091, C2092,C2093,C2098,C2099,C2100,C2101, C2102,C2103,C2104,C2105,C2106,C2107, C3000,C3084,C3085,C3086,C3090,C3091, C3092,C3093,C3098,C3099,C3100,C3101, C3102,C3103,C3104,C3105,C3106,C3107, C4000,C4084,C4085,C4086,C4090,C4091, C4092,C4093,C4098,C4099,C4100,C4101, C4102,C4103,C4104,C4105,C4106,C4107, C5000,C5084,C5085,C5086,C5090,C5091, C5092,C5093,C5098,C5099,C5100,C5101, C5102,C5103,C5104,C5105,C5106,C5107, C6000,C6084,C6085,C6086,C6090,C6091, C6092,C6093,C6098,C6099,C6100,C6101, C6102,C6103,C6104,C6105,C6106,C6107, C7000,C7084,C7085,C7086,C7090,C7091, C7092,C7093,C7098,C7099,C7100,C7101, C7102,C7103,C7104,C7105,C7106,C7107, C8000,C8084,C8085,C8086,C8090,C8091, C8092,C8093,C8098,C8099,C8100,C8101, C8102,C8103,C8104,C8105,C8106,C8107
CAP06-SJ122050	22PF SMD 0805 CERAMIC 5%	128	C1022,C1023,C1024,C1025,C1026,C1029,C1031,C1032, C1045,C1046,C1051,C1052,C1056,C1057,C1058,C1060, C2022,C2023,C2024,C2025,C2026,C2029,C2031,C2032, C2045,C2046,C2051,C2052,C2056,C2057,C2058,C2060, C3022,C3023,C3024,C3025,C3026,C3029,C3031,C3032, C3045,C3046,C3051,C3052,C3056,C3057,C3058,C3060, C4022,C4023,C4024,C4025,C4026,C4029,C4031,C4032, C4045,C4046,C4051,C4052,C4056,C4057,C4058,C4060, C5022,C5023,C5024,C5025,C5026,C5029,C5031,C5032, C5045,C5046,C5051,C5052,C5056,C5057,C5058,C5060,

Part Identifier	Description	Quantity	Reference Text
CAP06-SJ122050	22PF SMD 0805 CERAMIC 5%	128	C6022,C6023,C6024,C6025,C6026,C6029,C6031,C6032, C6045,C6046,C6051,C6052,C6056,C6057,C6058,C6060, C7022,C7023,C7024,C7025,C7026,C7029,C7031,C7032, C7045,C7046,C7051,C7052,C7056,C7057,C7058,C7060, C8022,C8023,C8024,C8025,C8026,C8029,C8031,C8032, C8045,C8046,C8051,C8052,C8056,C8057,C8058,C8060,
CAP06-SJ147100	47P 0805 SMD CERAMIC 5%	16	C1006,C1019,C2006,C2019,C3006,C3019, C4006,C4019,C5006,C5019,C6006,C6019, C7006,C7019,C8006,C8019
CAP06-SJ210100	100P 0805 SMD CERAMIC 5%	32	C1003,C1004,C1016,C1017,C2003,C2004,C2016,C2017, C3003,C3004,C3016,C3017,C4003,C4004,C4016,C4017, C5003,C5004,C5016,C5017,C6003,C6004,C6016,C6017, C7003,C7004,C7016,C7017,C8003,C8004,C8016,C8017
CAP06-SJ233100	330PF 0805 SMD CERAM. 5%	24	C1002,C1011,C1018,C2002,C2011,C2018, C3002,C3011,C3018,C4002,C4011,C4018, C5002,C5011,C5018,C6002,C6011,C6018, C7002,C7011,C7018,C8002,C8011,C8018
CAP06-SJ247050	470PF 50V 0805 SMD CAP	8	C1108,C2108,C3108,C4108, C5108,C6108,C7108,C8108
CAP06-SJ610016	1UF/16V+80%-20% 0805 CMC	40	C1007,C1008,C1034,C1038,C1039, C2007,C2008,C2034,C2038,C2039, C3007,C3008,C3034,C3038,C3039, C4007,C4008,C4034,C4038,C4039, C5007,C5008,C5034,C5038,C5039, C6007,C6008,C6034,C6038,C6039, C7007,C7008,C7034,C7038,C7039, C8007,C8008,C8034,C8038,C8039
CAP12-J133100	3N3 POLYESTER CAP 0.2"	16	C1040,C1055,C2040,C2055,C3040,C3055, C4040,C4055,C5040,C5055,C6040,C6055, C7040,C7055,C8040,C8055
CAP12-J168100	6N8 POLYESTER CAP	16	C1043,C1054,C2043,C2054,C3043,C3054, C4043,C4054,C5043,C5054,C6043,C6054, C7043,C7054,C8043,C8054
CAP12-J210100	10N POLYESTER CAP	16	C1044,C1053,C2044,C2053,C3044,C3053, C4044,C4053,C5044,C5053,C6044,C6053, C7044,C7053,C8044,C8053
CAP12-J247100	47N POLYESTER CAP 0.2"	48	C1037,C1041,C1042,C1048,C1049,C1059, C2037,C2041,C2042,C2048,C2049,C2059, C3037,C3041,C3042,C3048,C3049,C3059, C4037,C4041,C4042,C4048,C4049,C4059, C5037,C5041,C5042,C5048,C5049,C5059,

Part Identifier	Description	Quantity	Reference Text
CAP12-J247100	47N POLYESTER CAP 0.2"	48	C6037,C6041,C6042,C6048,C6049,C6059, C7037,C7041,C7042,C7048,C7049,C7059, C8037,C8041,C8042,C8048,C8049,C8059
CAP12-J268063	68N POLYESTER CAP 0.2"	16	C1047,C1050,C2047,C2050,C3047,C3050, C4047,C4050,C5047,C5050,C6047,C6050, C7047,C7050,C8047,C8050
CAP12-J322100	220N POLYESTER CAP 0.2"	32	C1009,C1010,C1012,C1013,C2009,C2010,C2012,C2013, C1009,C3010,C3012,C3013,C4009,C4010,C4012,C4013, C5009,C5010,C5012,C5013,C6009,C6010,C6012,C6013, C7009,C7010,C7012,C7013,C8009,C8010,C8012,C8013
CAP61-210025B	10UF 25V LP RADCAP 1.5MM	16	C1020,C1021,C2020,C2021,C3020,C3021, C4020,C4021,C5020,C5021,C6020,C6021, C7020,C7021,C8020,C8021
CAP63-310025B	100UF 25V LP RAD 2.5MM	72	C1014,C1015,C1030,C1033,C1035,C1036,C1066,C1075,C1109, C2014,C2015,C2030,C2033,C2035,C2036,C2066,C2075,C2109, C3014,C3015,C3030,C3033,C3035,C3036,C3066,C3075,C3109, C4014,C4015,C4030,C4033,C4035,C4036,C4066,C4075,C4109, C5014,C5015,C5030,C5033,C5035,C5036,C5066,C5075,C5109, C6014,C6015,C6030,C6033,C6035,C6036,C6066,C6075,C6109, C7014,C7015,C7030,C7033,C7035,C7036,C7066,C7075,C7109, C8014,C8015,C8030,C8033,C8035,C8036,C8066,C8075,C8109,
CAP65-4100063A	1000UF 6.3V RAD. 3.5MM	8	C1005,C2005,C3005,C4005,C5005, C6005,C7005,C8005
CON11-26MP	26WY VERT ML BOX HDR LP	4	J1000,J3000,J5000,J7000
CON59-LINKTHRO	PROG LINK	8	J1002,J2002,J3002,J4002,J5002,J6002,J7002,J8002
PCX-V0004-1	STEREO INPUT PCB	1	
POT12-614B02DV1	10KB X 2 6MM D DUAL VERT	32	POT1012,POT1013,POT1015,POT1016, POT2012,POT2013,POT2015,POT2016, POT3012,POT3013,POT3015,POT3016, POT4012,POT4013,POT4015,POT4016, POT5012,POT5013,POT5015,POT5016, POT6012,POT6013,POT6015,POT6016, POT7012,POT7013,POT7015,POT7016, POT8012,POT8013,POT8015,POT8016
POT12-615C01V1	100KCX2 INV LOG VERTICAL	16	POT1014,POT1017,POT2014,POT2017, POT3014,POT3017,POT4014,POT4017, POT5014,POT5017,POT6014,POT6017, POT7014,POT7017,POT8014,POT8017
POT12-654B02V1	50K X 2 6MM DUAL VERTICAL	8	POT1002,POT2002,POT3002,POT4002, POT5002,POT6002,POT7002,POT8002
POT91-614BDV2	10K 6MM D VERT DETENT	8	POT1001,POT2001,POT3001,POT4001,

Part Identifier	Description	Quantity	Reference Text
POT91-614BDV2	10K 6MM D VERT DETENT	8	POT5001,POT6001,POT7001,POT8001
POT91-653D09V	5K 6MM D VERTICAL POT	8	POT1000,POT2000,POT3000,POT4000, POT5000,POT6000,POT7000,POT8000
RES04-3E2R20	2K2 RES.M.FILM 1% 0.4W	16	R1002,R1003,R2002,R2003,R3002,R3003, R4002,R4003,R5002,R5003,R6002,R6003, R7002,R7003,R8002,R8003
RES04-3E3R30	3K3 RES.M.FILM 1% 0.4W	16	R1008,R1009,R2008,R2009,R3008,R3009, R4008,R4009,R5008,R5009,R6008,R6009, R7008,R7009,R8008,R8009
RES04-3E4R70	4K7 RES.M.FILM 1% 0.4W	16	R1006,R1007,R2006,R2007,R3006,R3007, R4006,R4007,R5006,R5007,R6006,R6007, R7006,R7007,R8006,R8007
RES04-3E6R80	6K8 RES.M.FILM 1% 0.4W	16	R1179,R1180,R2179,R2180,R3179,R3180, R4179,R4180,R5179,R5180,R6179,R6180, R7179,R7180,R8179,R8180
RES04-4E1R00	10K RES.M.FILM 1% 0.4W	16	R1013,R1014,R2013,R2014,R3013,R3014, R4013,R4014,R5013,R5014,R6013,R6014, R7013,R7014,R8013,R8014
RES54-1E1R00	10R 0805 SMD 1%	24	R1005,R1028,R1029,R2005,R2028,R2029, R3005,R3028,R3029,R4005,R4028,R4029, R5005,R5028,R5029,R6005,R6028,R6029, R7005,R7028,R7029,R8005,R8028,R8029
RES54-2E1R50	150R 0805 SMD 1%	8	R1012,R2012,R3012,R4012,R5012,R6012, R7012,R8012
RES54-2E4R70	470R 0805 SMD 1%	48	R1010,R1011,R1076,R1077,R1088,R1089, R2010,R2011,R2076,R2077,R2088,R2089, R3010,R3011,R3076,R3077,R3088,R3089, R4010,R4011,R4076,R4077,R4088,R4089, R5010,R5011,R5076,R5077,R5088,R5089, R6010,R6011,R6076,R6077,R6088,R6089, R7010,R7011,R7076,R7077,R7088,R7089, R8010,R8011,R8076,R8077,R8088,R8089
RES54-2E5R10	510R 0805 SMD 1%	8	R1037,R2037,R3037,R4037,R5037, R6037,R7037,R8037
RES54-2E7R50	750R 0805 SMD 1%	8	R1041,R2041,R3041,R4041,R5041, R6041,R7041,R8041
RES54-2E8R20	820R 0805 SMD 1%	16	R1049,R1050,R2049,R2050,R3049,R3050, R4049,R4050,R5049,R5050,R6049,R6050, R7049,R7050,R8049,R8050
RES54-3E1R00	1K 0805 SMD 1%	16	R1035,R1036,R2035,R2036,R3035,R3036, R4035,R4036,R5035,R5036,R6035,R6036,

Part Identifier	Description	Quantity	Reference Text
RES54-3E1R00	1K 0805 SMD 1%	16	R7035,R7036,R8035,R8036
RES54-3E1R20	1K2 0805 SMD 1%	16	R1038,R1039,R2038,R2039,R3038,R3039, R4038,R4039,R5038,R5039,R6038,R6039, R7038,R7039,R8038,R8039
RES54-3E1R50	1K5 0805 SMD 1%	24	R1033,R1064,R1067,R2033,R2064,R2067, R3033,R3064,R3067,R4033,R4064,R4067, R5033,R5064,R5067,R6033,R6064,R6067, R7033,R7064,R7067,R8033,R8064,R8067
RES54-3E2R00	2K 0805 SMD 1%	8	R1023,R2023,R3023,R4023,R5023, R6023,R7023,R8023
RES54-3E2R20	2K2 0805 SMD 1%	16	R1070,R1095,R2070,R2095,R3070, R3095,R4070,R4095,R5070,R5095, R6070,R6095,R7070,R7095,R8070, R8095
RES54-3E2R70	2K7 0805 SMD 1%	8	R1022,R2022,R3022,R4022,R5022, R6022,R7022,R8022
RES54-3E3R00	3K 0805 SMD 1%	16	R1031,R1032,R2031,R2032,R3031,R3032, R4031,R4032,R5031,R5032,R6031,R6032, R7031,R7032,R8031,R8032
RES54-3E3R30	3K3 0805 SMD 1%	32	R1063,R1065,R1066,R1104, R2063,R2065,R2066,R2104, R3063,R3065,R3066,R3104, R4063,R4065,R4066,R4104, R5063,R5065,R5066,R5104, R6063,R6065,R6066,R6104, R7063,R7065,R7066,R7104, R8063,R8065,R8066,R8104
RES54-3E3R60	3K6 0805 SMD 1%	24	R1004,R1068,R1099,R2004,R2068,R2099, R3004,R3068,R3099,R4004,R4068,R4099, R5004,R5068,R5099,R6004,R6068,R6099, R7004,R7068,R7099,R8004,R8068,R8099
RES54-3E4R70	4K7 0805 SMD 1%	16	R1015,R1016,R2015,R2016,R3015,R3016, R4015,R4016,R5015,R5016,R6015,R6016, R7015,R7016,R8015,R8016
RES54-3E5R10	5K1 0805 SMD 1%	8	R1019,R2019,R3019,R4019,R5019, R6019,R7019,R8019
RES54-3E6R80	6K8 0805 SMD 1%	88	R1001,R1020,R1071,R1073,R1080,R1082, R1083,R1085,R1092,R1094,R1181,R2001, R2020,R2071,R2073,R2080,R2082,R2083, R2085,R2092,R2094,R2181,R3001,R3020, R3071,R3073,R3080,R3082,R3083,R3085,

Part Identifier	Description	Quantity	Reference Text
RES54-3E6R80	6K8 0805 SMD 1%	88	R3092,R3094,R3181,R4001,R4020,R4071, R4073,R4080,R4082,R4083,R4085,R4092, R4094,R4181,R5001,R5020,R5071,R5073, R5080,R5082,R5083,R5085,R5092,R5094, R5181,R6001,R6020,R6071,R6073,R6080, R6082,R6083,R6085,R6092,R6094,R6181, R7001,R7020,R7071,R7073,R7080,R7082, R7083,R7085,R7092,R7094,R7181,R8001, R8020,R8071,R8073,R8080,R8082,R8083, R8085,R8092,R8094,R8181
RES54-3E8R20	8K2 0805 SMD 1%	16	R1051,R1052,R2051,R2052,R3051,R3052, R4051,R4052,R5051,R5052,R6051,R6052, R7051,R7052,R8051,R8052
RES54-4E1R00	10K 0805 SMD 1%	64	R1034,R1044,R1069,R1072,R1081,R1084,R1093,R1098, R2034,R2044,R2069,R2072,R2081,R2084,R2093,R2098, R3034,R3044,R3069,R3072,R3081,R3084,R3093,R3098, R4034,R4044,R4069,R4072,R4081,R4084,R4093,R4098, R5034,R5044,R5069,R5072,R5081,R5084,R5093,R5098, R6034,R6044,R6069,R6072,R6081,R6084,R6093,R6098, R7034,R7044,R7069,R7072,R7081,R7084,R7093,R7098, R8034,R8044,R8069,R8072,R8081,R8084,R8093,R8098
RES54-4E1R20	12K 0805 SMD 1%	32	R1025,R1026,R1053,R1054,R2025,R2026,R2053,R2054, R3025,R3026,R3053,R3054,R4025,R4026,R4053,R4054, R5025,R5026,R5053,R5054,R6025,R6026,R6053,R6054, R7025,R7026,R7053,R7054,R8025,R8026,R8053,R8054
RES54-4E1R30	13K 0805 SMD 1%	16	R1047,R1048,R2047,R2048,R3047,R3048, R4047,R4048,R5047,R5048,R6047,R6048, R7047,R7048,R8047,R8048
RES54-4E1R80	18K 0805 SMD 1%	48	R1045,R1046,R1055,R1056,R1057,R1058, R2045,R2046,R2055,R2056,R2057,R2058, R3045,R3046,R3055,R3056,R3057,R3058, R4045,R4046,R4055,R4056,R4057,R4058, R5045,R5046,R5055,R5056,R5057,R5058, R6045,R6046,R6055,R6056,R6057,R6058, R7045,R7046,R7055,R7056,R7057,R7058, R8045,R8046,R8055,R8056,R8057,R8058
RES54-4E2R20	22K 0805 SMD 1%	112	R1074,R1075,R1078,R1079,R1086,R1087,R1090, R1091,R1096,R1097,R1100,R1101,R1122,R1128, R2074,R2075,R2078,R2079,R2086,R2087,R2090, R2091,R2096,R2097,R2100,R2101,R2122,R2128, R3074,R3075,R3078,R3079,R3086,R3087,R3090,

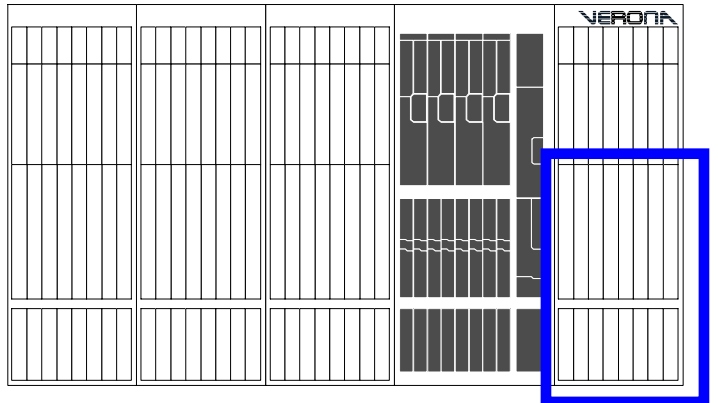
Part Identifier	Description	Quantity	Reference Text
RES54-4E2R20	22K 0805 SMD 1%	112	R3091,R3096,R3097,R3100,R3101,R3122,R3128, R4074,R4075,R4078,R4079,R4086,R4087,R4090, R4091,R4096,R4097,R4100,R4101,R4122,R4128, R5074,R5075,R5078,R5079,R5086,R5087,R5090, R5091,R5096,R5097,R5100,R5101,R5122,R5128, R6074,R6075,R6078,R6079,R6086,R6087,R6090, R6091,R6096,R6097,R6100,R6101,R6122,R6128, R7074,R7075,R7078,R7079,R7086,R7087,R7090, R7091,R7096,R7097,R7100,R7101,R7122,R7128, R8074,R8075,R8078,R8079,R8086,R8087,R8090, R8091,R8096,R8097,R8100,R8101,R8122,R8128
RES54-4E3R00	30K 0805 SMD 1%	32	R1059,R1060,R1061,R1062,R2059,R2060,R2061,R2062, R3059,R3060,R3061,R3062,R4059,R4060,R4061,R4062, R5059,R5060,R5061,R5062,R6059,R6060,R6061,R6062, R7059,R7060,R7061,R7062,R8059,R8060,R8061,R8062
RES54-4E3R30	33K 0805 SMD 1%	16	R1042,R1043,R2042,R2043,R3042,R3043, R4042,R4043,R5042,R5043,R6042,R6043, R7042,R7043,R8042,R8043,
RES54-4E4R70	47K 0805 SMD 1%	48	R1102,R1103,R1105,R1106,R1109,R1110, R2102,R2103,R2105,R2106,R2109,R2110, R3102,R3103,R3105,R3106,R3109,R3110, R4102,R4103,R4105,R4106,R4109,R4110, R5102,R5103,R5105,R5106,R5109,R5110, R6102,R6103,R6105,R6106,R6109,R6110, R7102,R7103,R7105,R7106,R7109,R7110, R8102,R8103,R8105,R8106,R8109,R8110
RES54-4E5R60	56K 0805 SMD 1%	8	R1021,R2021,R3021,R4021,R5021, R6021,R7021,R8021
RES54-5E1R00	100K 0805 SMD 1% RES	16	R1024,R1030,R2024,R2030,R3024,R3030, R4024,R4030,R5024,R5030,R6024,R6030, R7024,R7030,R8024,R8030
RES54-5E1R20	120K 0805 SMD 1% RES	8	R1178,R2178,R3178,R4178, R5178,R6178,R7178,R8178
RES54-5E4R70	470K 0805 SMD 1% RES	8	R1027,R2027,R3027,R4027, R5027,R6027,R7027,R8027
RES54-6E1R00	1M 0805 SMD 1%	32	R1000,R1017,R1018,R1040,R2000,R2017,R2018,R2040, R3000,R3017,R3018,R3040,R4000,R4017,R4018,R4040, R5000,R5017,R5018,R5040,R6000,R6017,R6018,R6040, R7000,R7017,R7018,R7040,R8000,R8017,R8018,R8040
SEM15-BAV99	SMD DUAL DIODE BAV99	16	D1002,D1003,D2002,D2003,D3002,D3003, D4002,D4003,D5002,D5003,D6002,D6003,

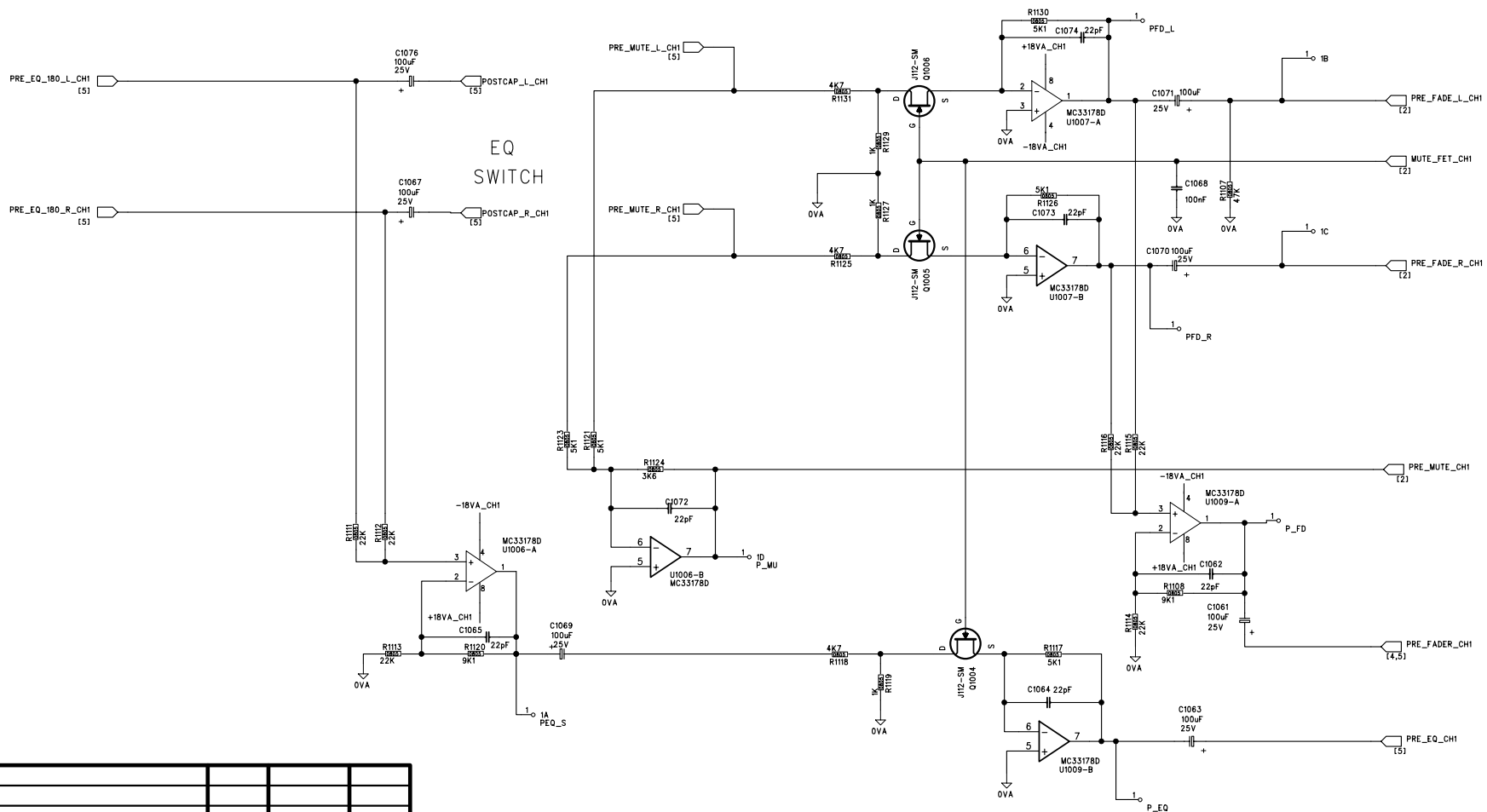
Part Identifier	Description	Quantity	Reference Text
SEM15-BAV99	SMD DUAL DIODE BAV99	16	D7002,D7003,D8002,D8003
SEM16-ZX84C6V2	SMD 6V2 ZENER (SOT23)	14	Z1000,Z2000,Z3000,Z3001,Z4000,Z4001, Z5000,Z5001,Z6000,Z6001,Z7000,Z7001, Z8000,Z8001
SEM16-ZX84C6V8	SMD 6V8 ZENER SOT23	2	Z1001,Z2001
SEM31-2SA1084E	2SA1084E INLINE	16	Q1000,Q1001,Q2000,Q2001,Q3000,Q3001, Q4000,Q4001,Q5000,Q5001,Q6000,Q6001, Q7000,Q7001,Q8000,Q8001
SEM35-BC856B	BC856B SMD PNP TRANSISTR	16	Q1002,Q1003,Q2002,Q2003,Q3002,Q3003, Q4002,Q4003,Q5002,Q5003,Q6002,Q6003, Q7002,Q7003,Q8002,Q8003
SEM51-33178	SMD DUAL OP AMP (SO8)	56	U1000,U1001,U1004,U1005,U1010,U1012,U1013, U2000,U2001,U2004,U2005,U2010,U2012,U2013, U3000,U3001,U3004,U3005,U3010,U3012,U3013, U4000,U4001,U4004,U4005,U4010,U4012,U4013, U5000,U5001,U5004,U5005,U5010,U5012,U5013, U6000,U6001,U6004,U6005,U6010,U6012,U6013, U7000,U7001,U7004,U7005,U7010,U7012,U7013, U8000,U8001,U8004,U8005,U8010,U8012,U8013
SEM51-33179	SMD QUAD OP AMP (SO14)	8	U1011,U2011,U3011,U4011, U5011,U6011,U7011,U8011
SEM51-TL072	SMD LIN'R IC QUAD TL072	16	U1002,U1003,U2002,U2003,U3002,U3003, U4002,U4003,U5002,U5003,U6002,U6003, U7002,U7003,U8002,U2003
SWT01-JPS2LCV	2POLE LATCH VERT JPS2281	48	S1000,S1001,S1002,S1003,S1004,S1008, S2000,S2001,S2002,S2003,S2004,S2008, S3000,S3001,S3002,S3003,S3004,S3008, S4000,S4001,S4002,S4003,S4004,S4008, S5000,S5001,S5002,S5003,S5004,S5008, S6000,S6001,S6002,S6003,S6004,S6008, S7000,S7001,S7002,S7003,S7004,S7008, S8000,S8001,S8002,S8003,S8004,S8008
SWT01-LTV75R01	VERT LATCH SWT & LED RED	8	S1020,S2020,S3020,S4020,S5020, S6020,S7020,S8020



V0006 Multifunctional Input Lower PCB Aux Sends and Faders

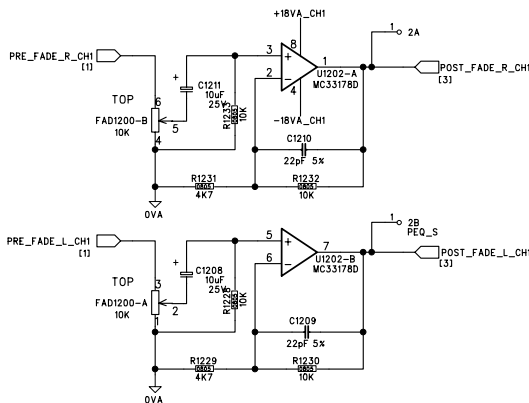
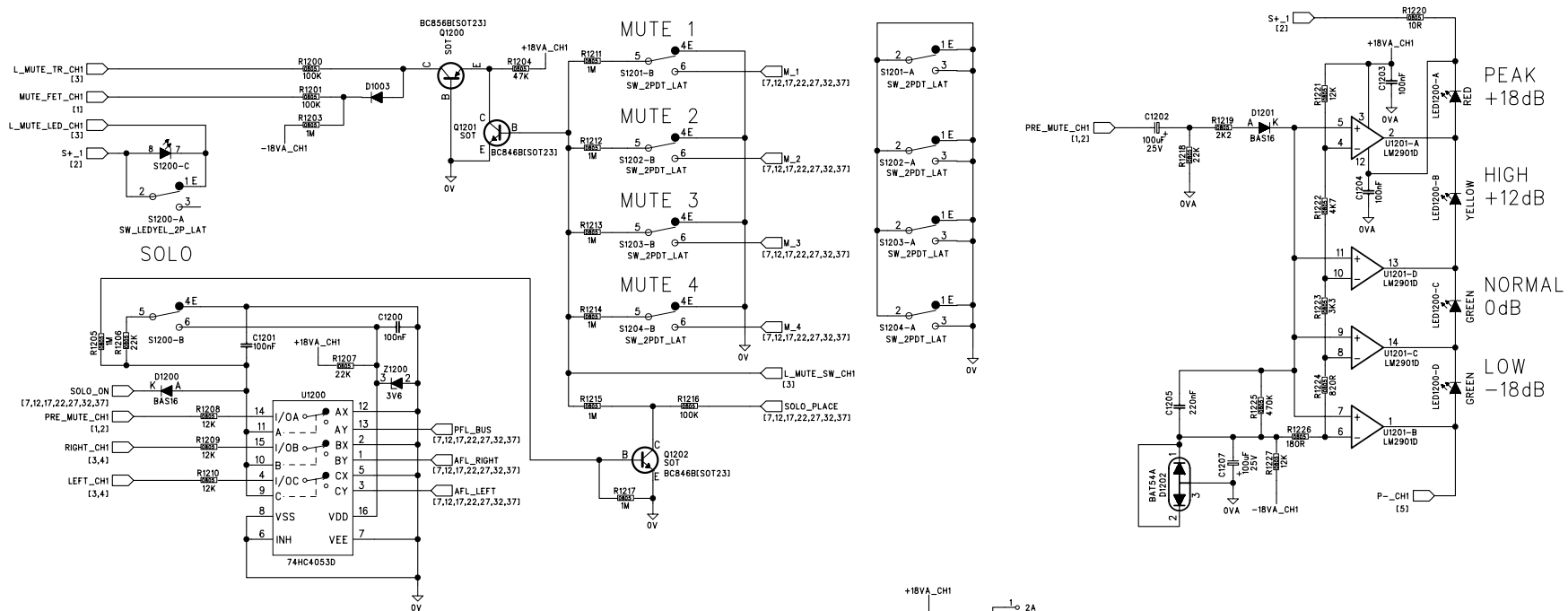
- V0006 Schematics -
- V0006 Board Overlays -
- V0006 Parts Grid Locator -
- V0006 Parts List -





FOR CHANGES SEE ECN4281	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

UNIT: VERONA	MIDAS AUDIO		
TITLE: STEREO FADER	DRAWN: AC/BG	DATE: AUG 03	SHEET: 1 OFF 41
BOARD No. V0006 BOARD Iss. 1	CHECKED:	SHEET Iss: 1	DRG No.PCX-V0006-1.1.SCH



UNIT: VERONA

MIDAS AUDIO

TITLE: STEREO FADER

DRAWN: AC/SM

DATE: AUG 03

SHEET: 2 OFF 41

BOARD No. V0006 BOARD Iss. 1

CHECKED:

SHEET Iss: 1

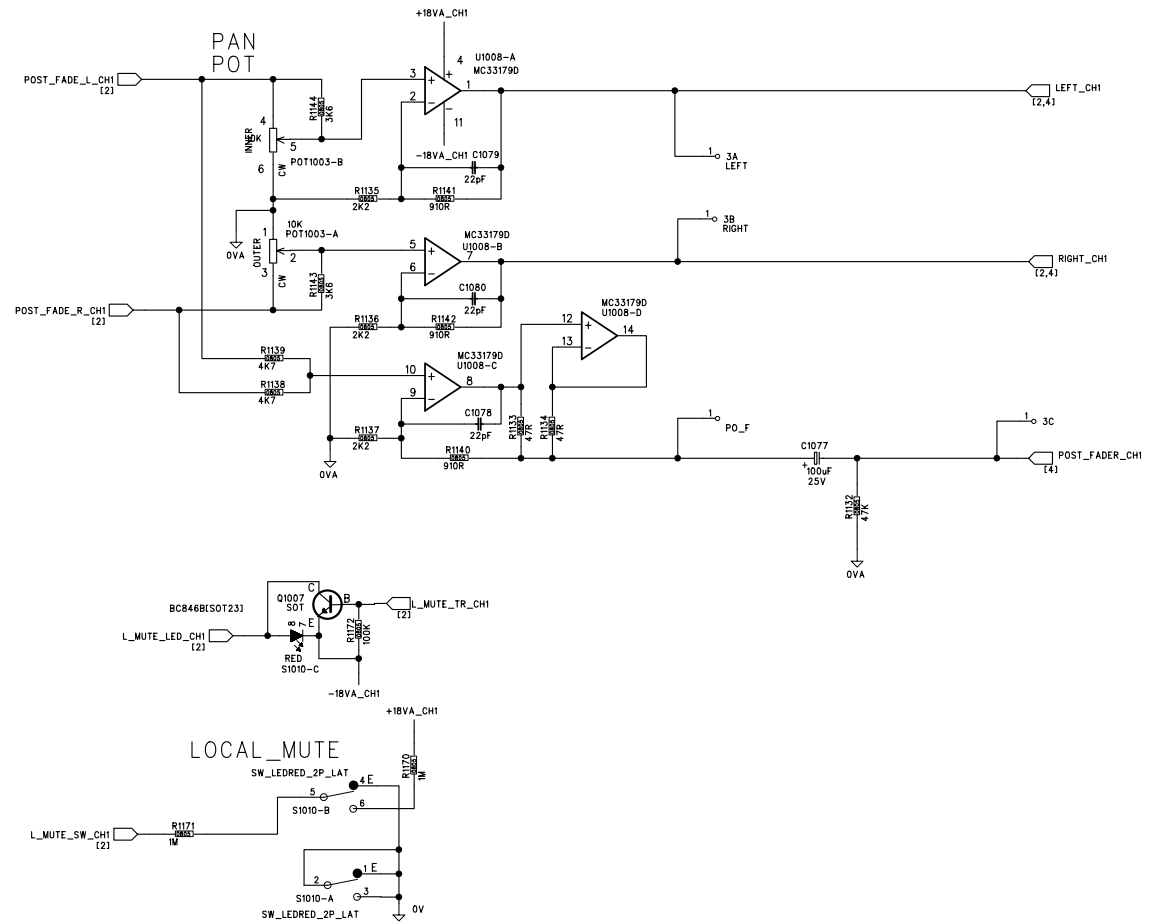
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FOR CHANGES SEE ECN4281

1.1 AA 31-10-03

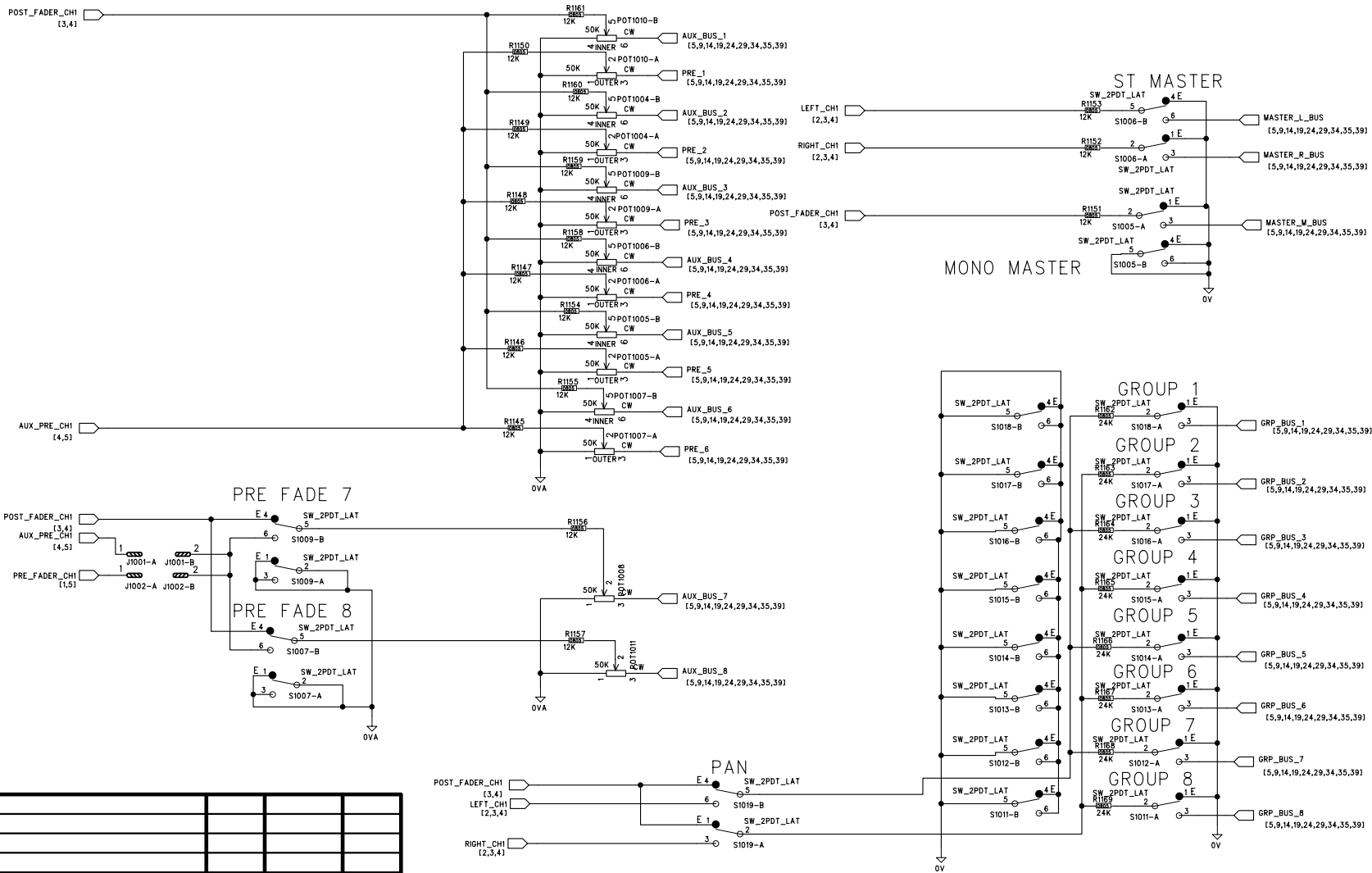
AMENDMENTS

ISS. INIT. DATE.

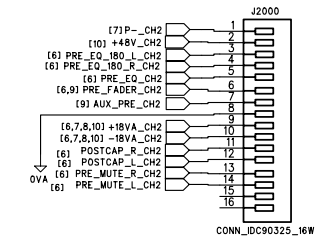
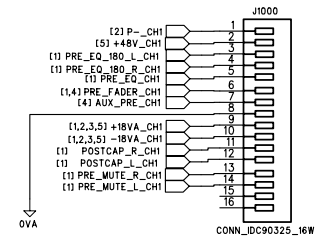
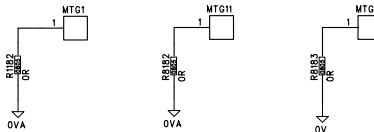
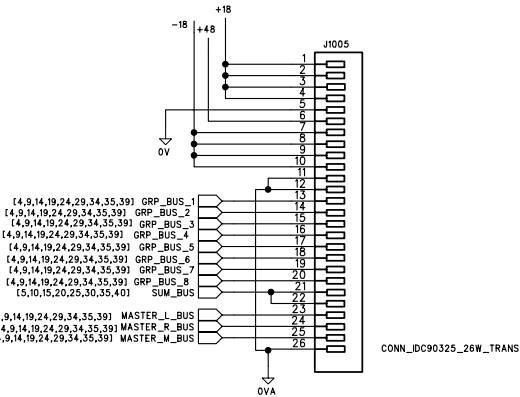
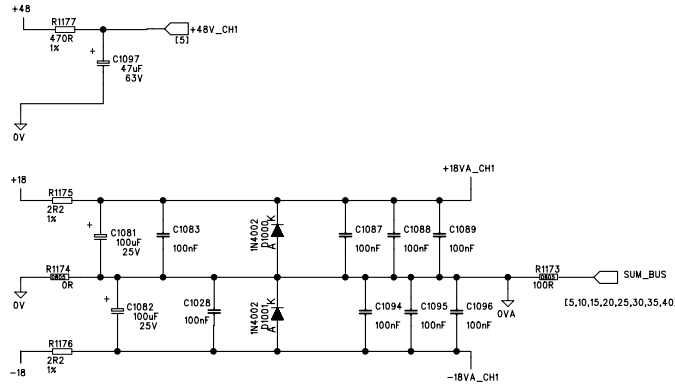
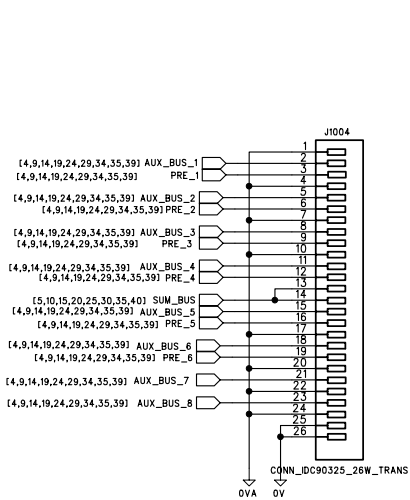


FOR CHANGES SEE ECN4281	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

UNIT: VERONA		MIDAS AUDIO		
TITLE: STEREO FADER		DRAWN: AC	DATE: AUG 03	SHEET: 3 OFF 41
BOARD No. V0006 BOARD Iss. 1		CHECKED:	SHEET Iss: 1	DRG No.Pcx-V0006-1.1.SCH



FOR CHANGES SEE ECN4281	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.



UNIT: VERONA

MIDAS AUDIO

TITLE: STEREO FADER

DRAWN: AC

DATE: AUG 03

SHEET: 5 OFF 41

FOR CHANGES SEE ECN4281

1.1

AA

31-10-03

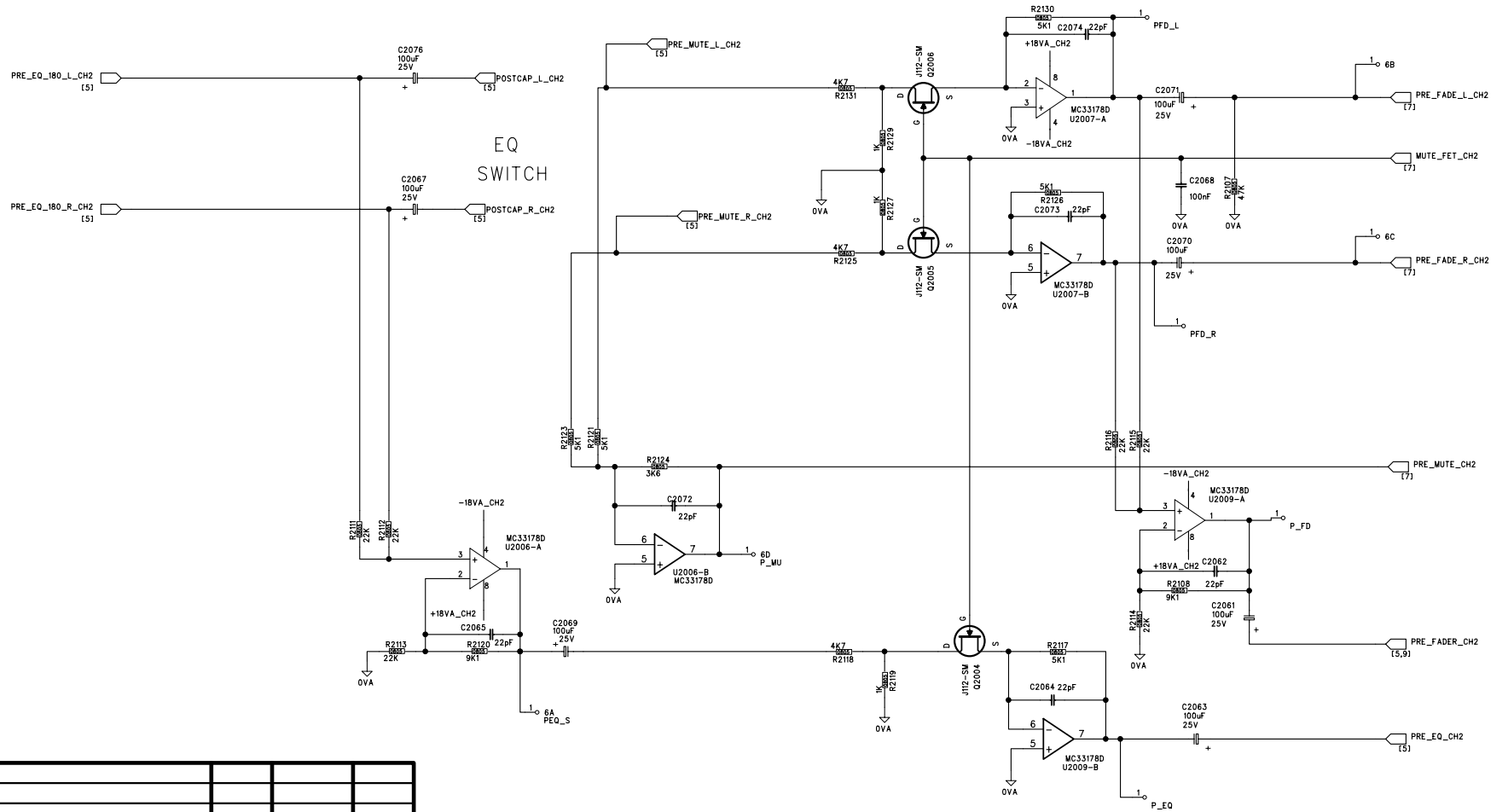
BOARD No. V0006 BOARD Iss. 1

CHECKED:

SHEET Iss: 1

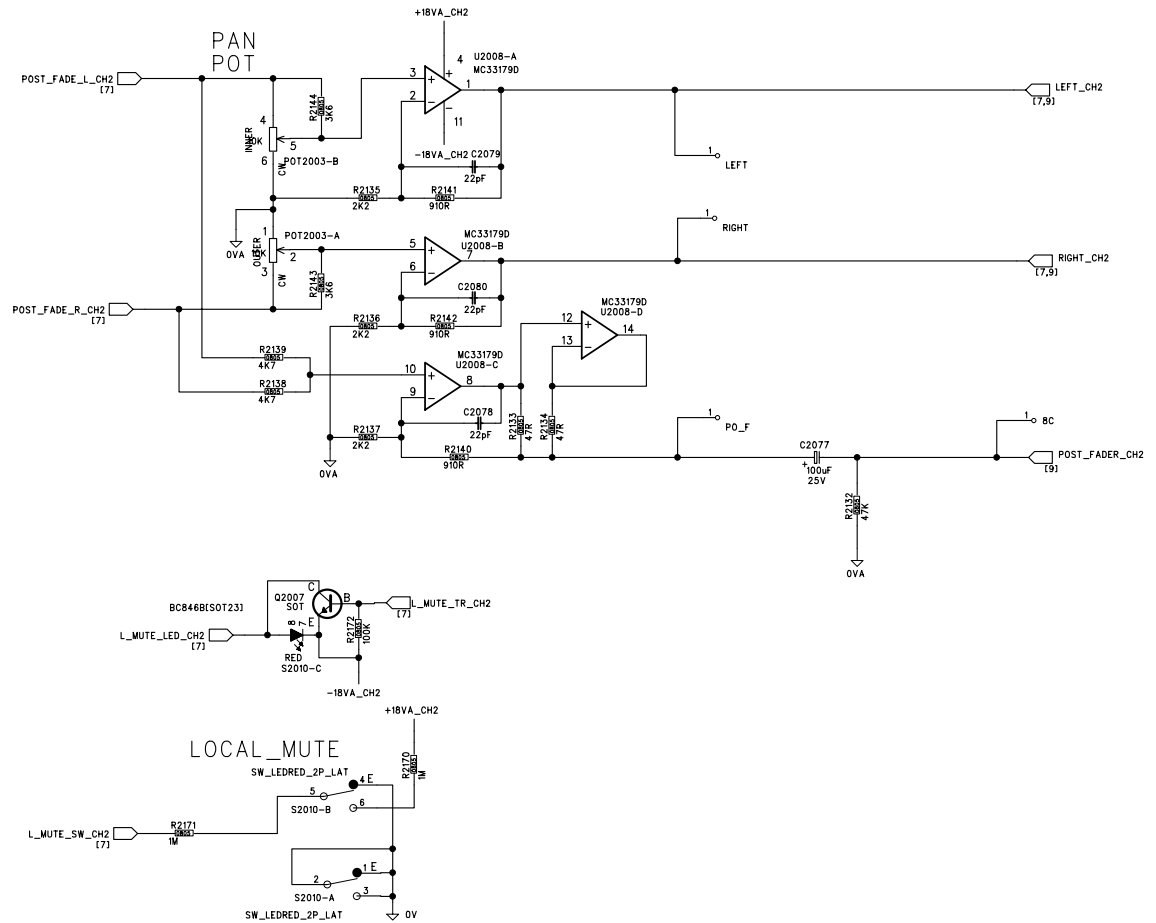
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AMENDMENTS	ISS.	INIT.	DATE.
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FOR CHANGES SEE ECN4281	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

UNIT: M2004	MIDAS AUDIO		
TITLE: STEREO FADER	DRAWN: AC	DATE: AUG 03	SHEET: 6 OFF 41
BOARD No. V0006 BOARD Iss. 1	CHECKED:	SHEET Iss: 1	DRG No.PCX-V0006-1.1.SCH



FOR CHANGES SEE ECN4281	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

UNIT: VERONA

MIDAS AUDIO

TITLE: STEREO FADER

DRAWN: AC

DATE: AUG 03

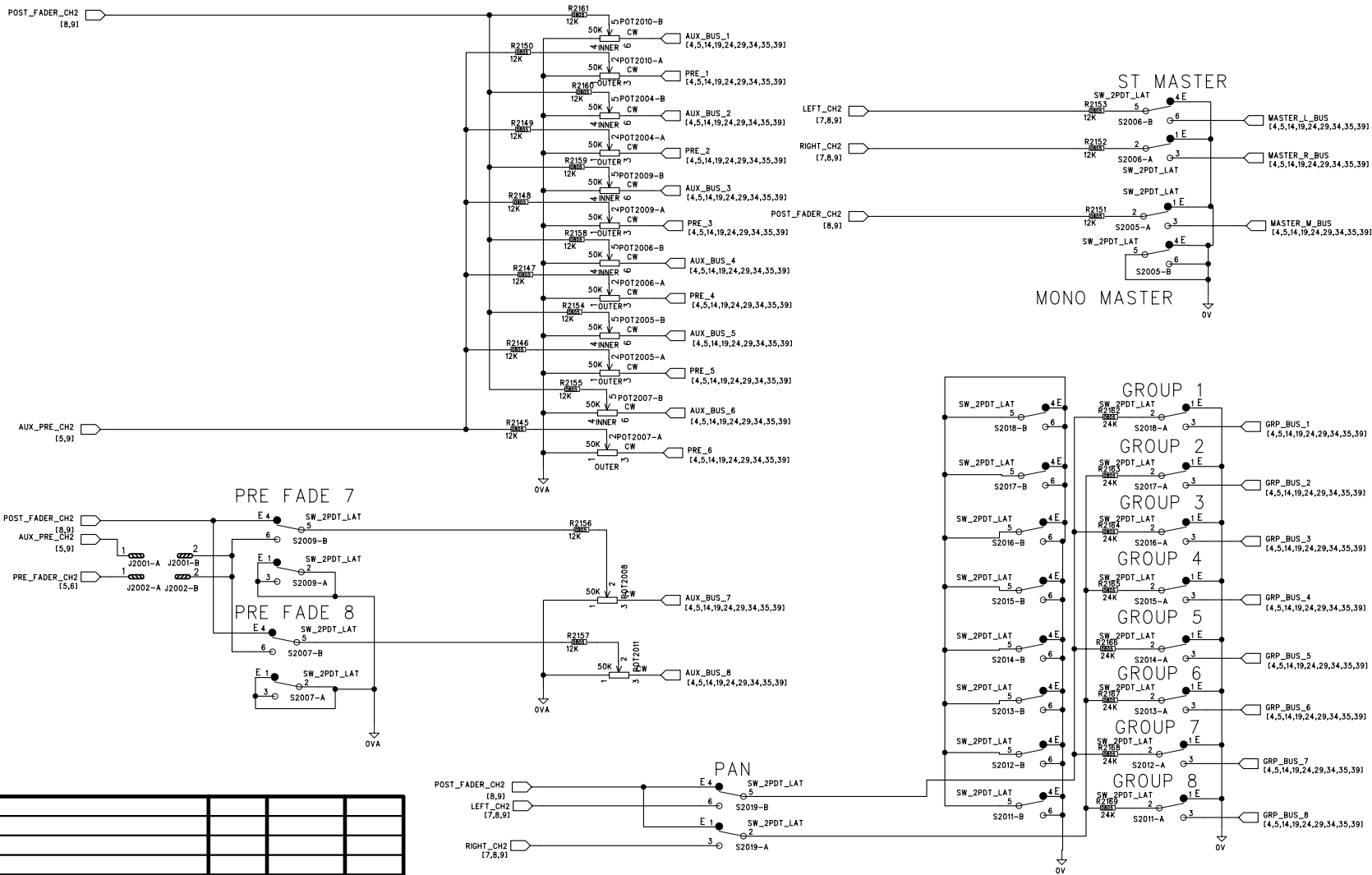
SHEET: 8 OFF 41

BOARD No. V0006 BOARD Iss. 1

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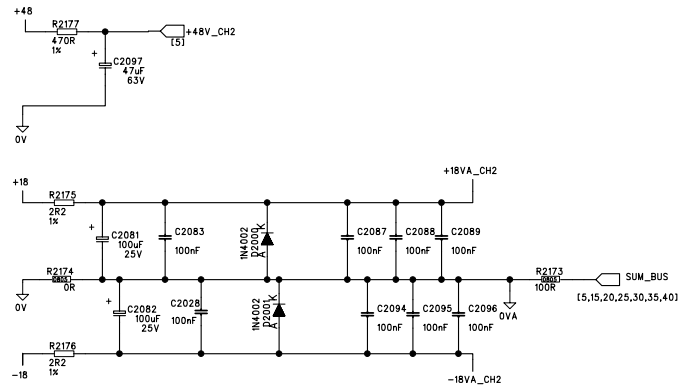
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DRG No.PCX-V0006-1.1.SCH



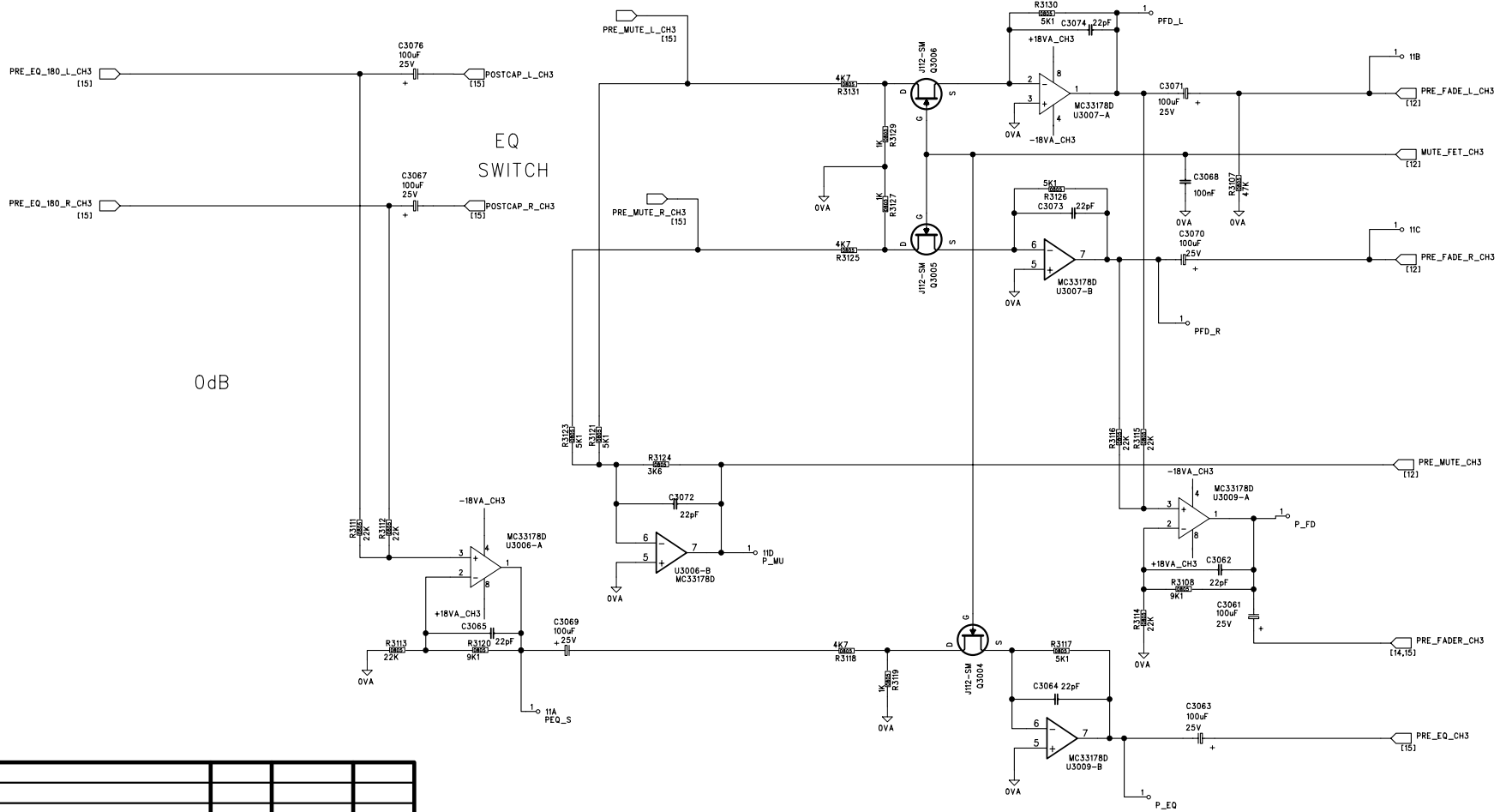
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AMENDMENTS	ISS.	INIT.	DATE.

UNIT: VERONA	MIDAS AUDIO		
TITLE: STEREO FADER	DRAWN: AC	DATE: AUG 03	SHEET: 9 OFF 41
BOARD No. V0006 BOARD Iss. 1	CHECKED:	SHEET Iss: 1	DRG No.PCX-V0006-1.1.SCH



FOR CHANGES SEE ECN4281	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

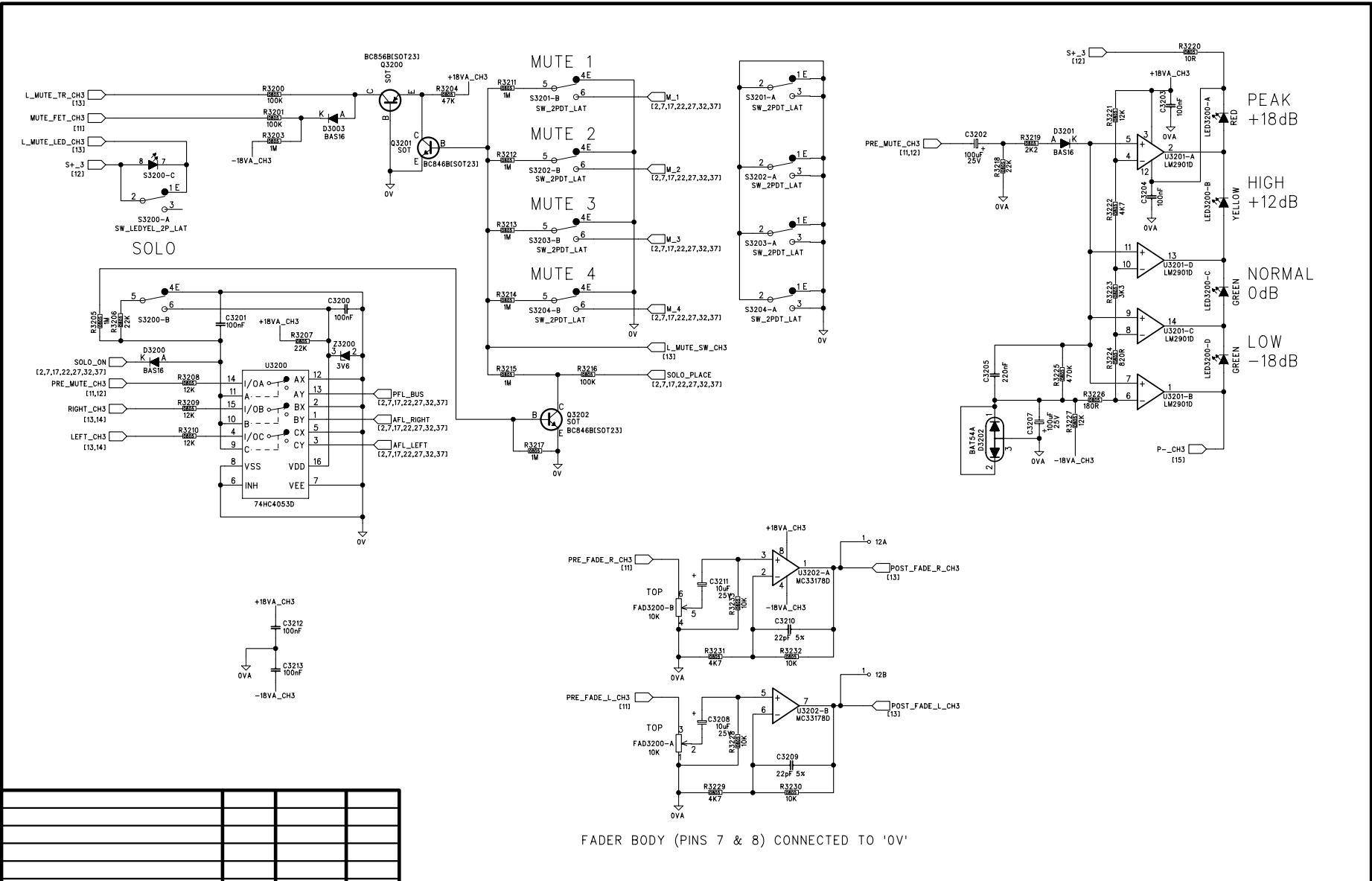
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TITLE: STEREO FADER	DRAWN: AC	DATE: AUG 03	SHEET: 10 OFF 41
BOARD No. V0006 BOARD Iss. 1	CHECKED:	SHEET Iss: 1	DRG No.PCX-V0006-1.1.SCH



0dB

FOR CHANGES SEE ECN4281	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

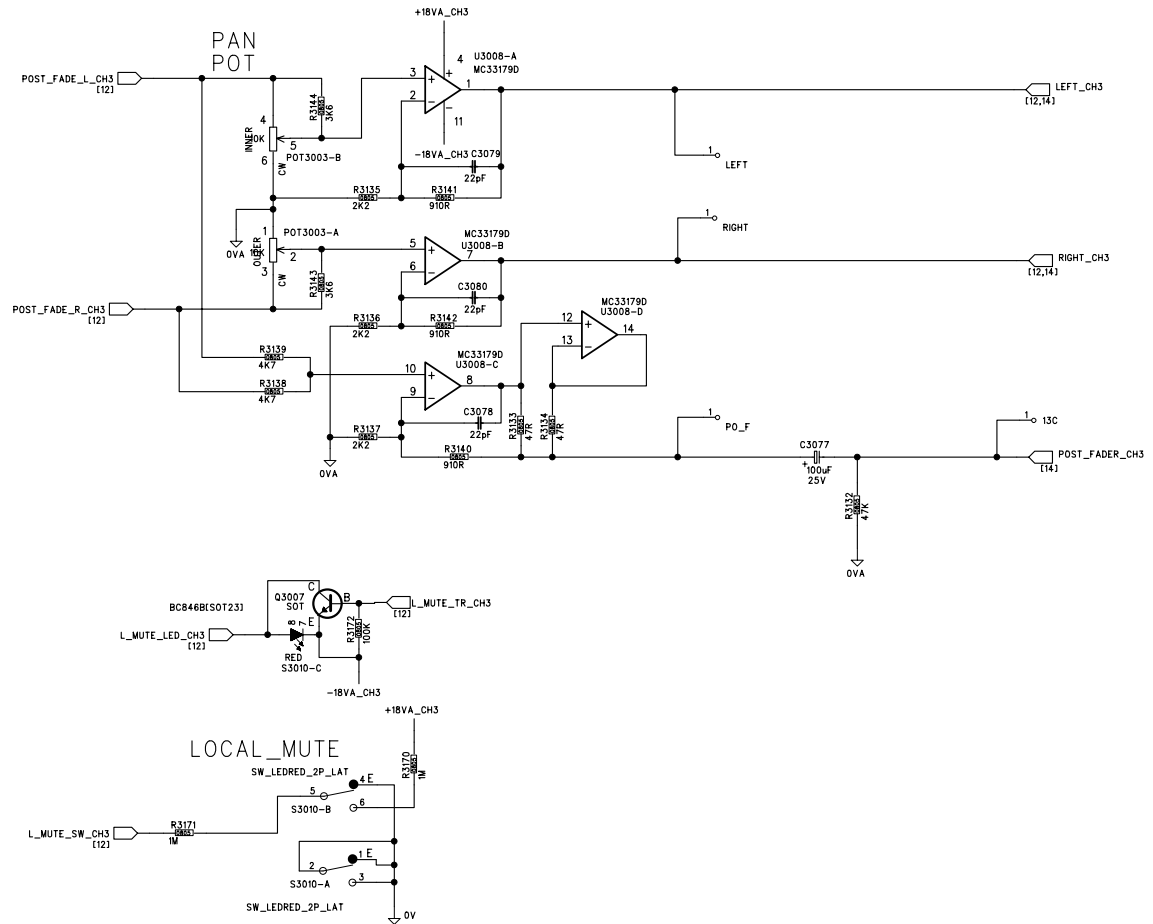
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BOARD No. V0006 BOARD Iss. 1	CHECKED:	SHEET Iss: 1	DRG No. PCX-V0006-1.1.SCH



FADER BODY (PINS 7 & 8) CONNECTED TO '0V'

FOR CHANGES SEE ECN4281	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

UNIT: VERONA	<h1>MIDAS AUDIO</h1>			
TITLE: STEREO FADER				
BOARD No. V0006	BOARD Iss. 1	DRAWN: AC/SM	DATE: AUG 03	SHEET: 12 OFF 41
		CHECKED:	SHEET Iss: 1	DRG No. PCX-V0006-1.1.SCH



FOR CHANGES SEE ECN4281	I.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

UNIT: VERONA

MIDAS AUDIO

TITLE: STEREO FADER

DRAWN: AC

DATE: AUG 03

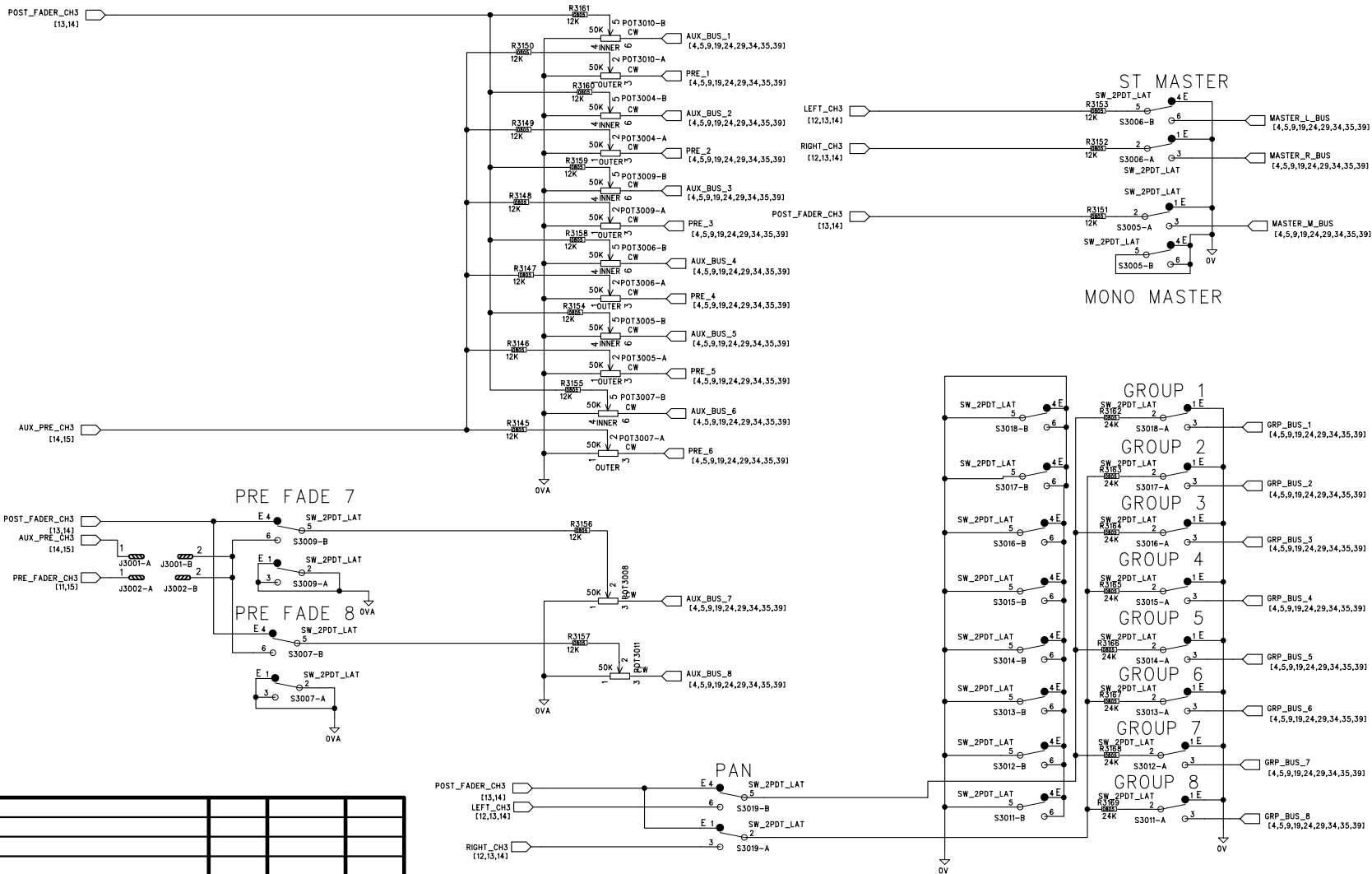
SHEET: 13 OFF 41

BOARD No. V0006 BOARD Iss. 1

CHECKED:

SHEET Iss: 1

DRG No.Pcx-V0006-1.1.SCH



FOR CHANGES SEE ECN4281	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

UNIT: VERONA

MIDAS AUDIO

TITLE: STEREO FADER

DRAWN: AC

DATE: AUG 03

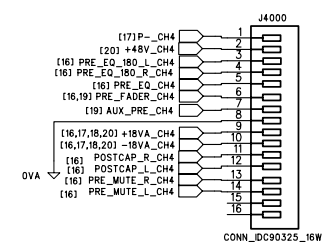
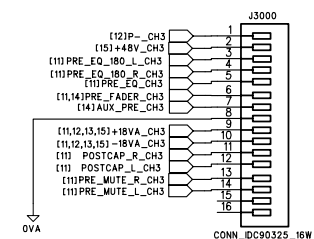
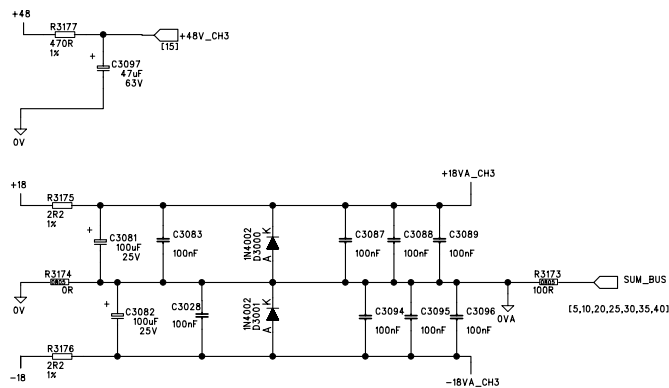
SHEET: 14 OFF 41

BOARD No. V0006 BOARD Iss. 1

CHECKED:

SHEET Iss: 1

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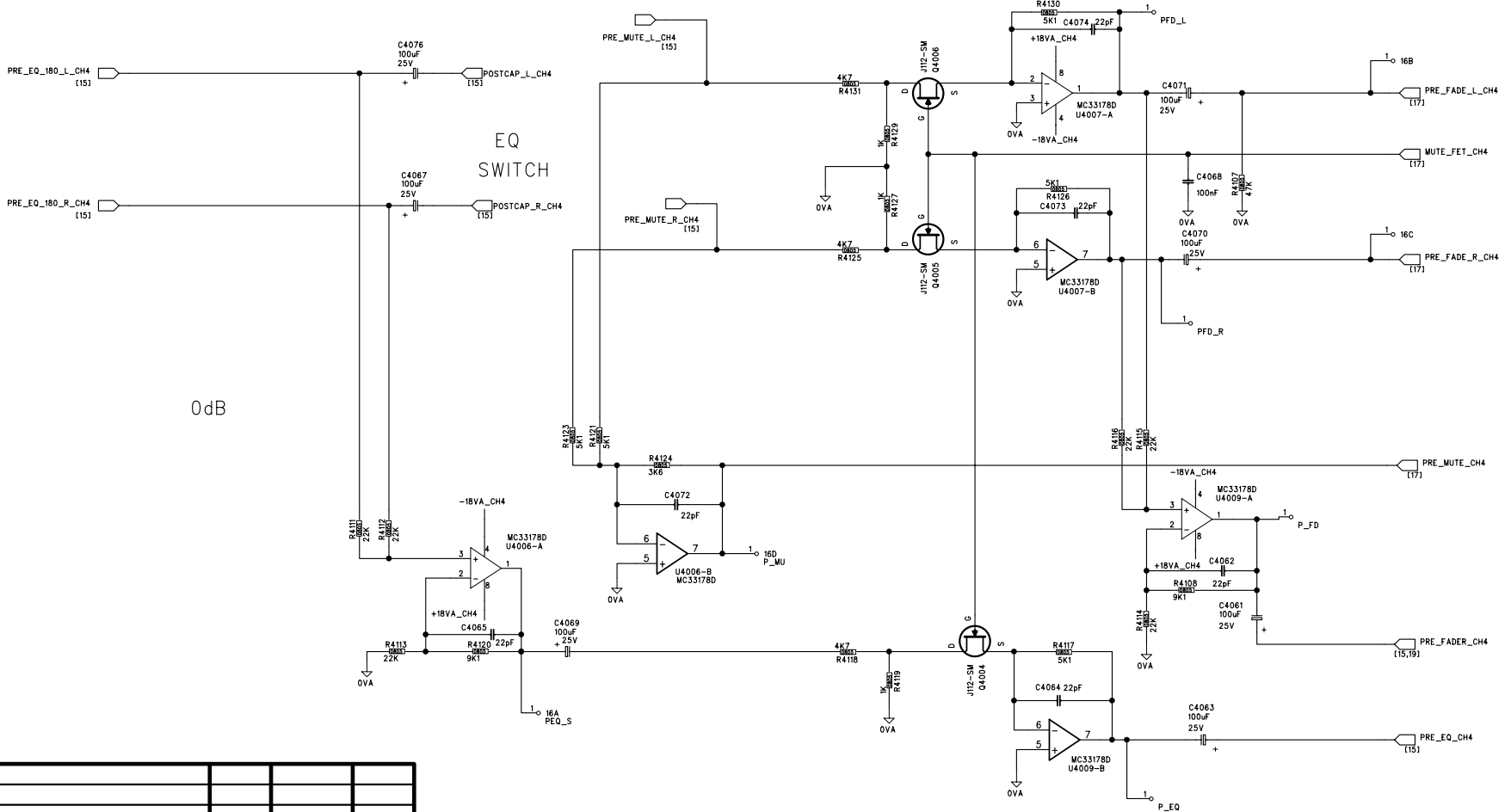


FOR CHANGES SEE ECN4281	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

UNIT: VERONA
 TITLE: CONNECTORS CH3 & CH4
 BOARD No. V0006 BOARD Iss. 1

MIDAS AUDIO

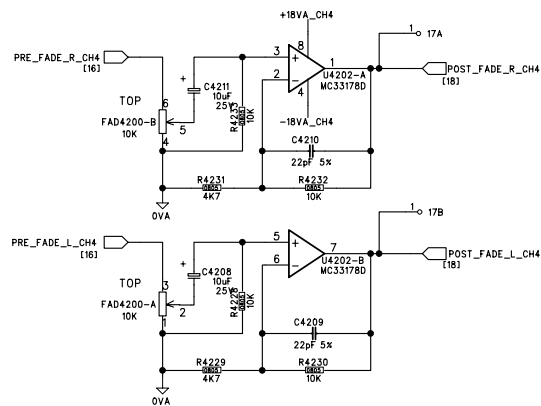
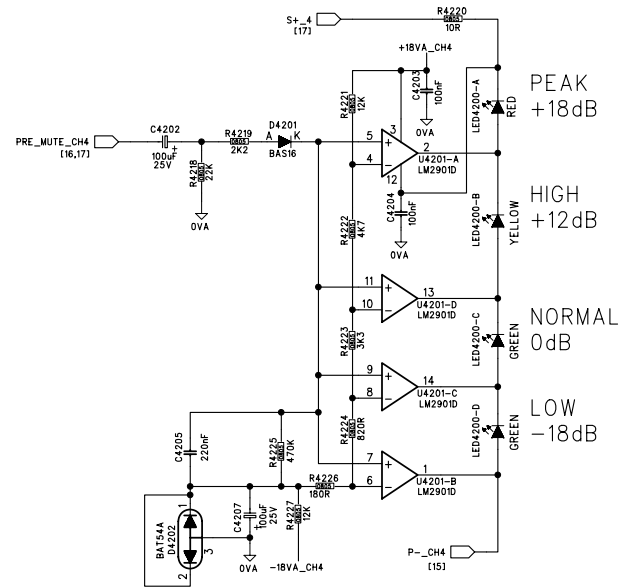
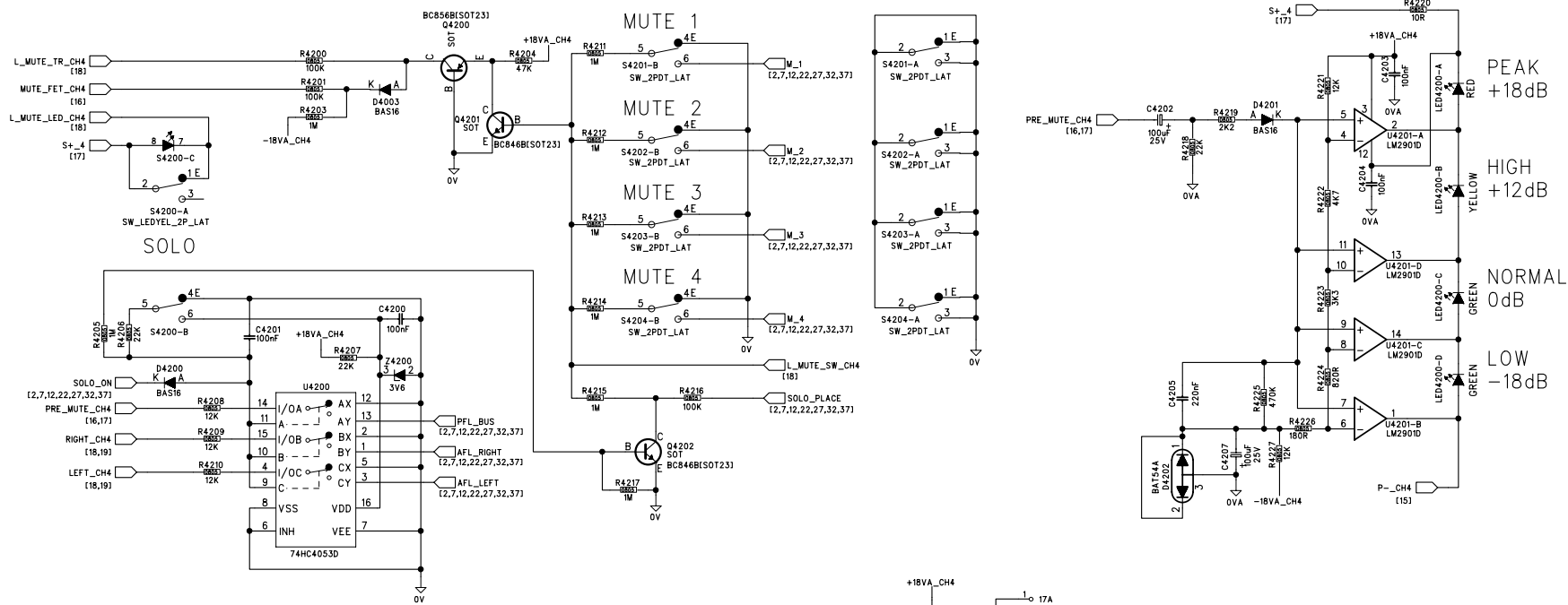
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 CHECKED: SHEET Iss: 1 DRG No.PCX-V0006-1.1.SCH



0dB

FOR CHANGES SEE ECN4281	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

UNIT: M2004	MIDAS AUDIO		
TITLE: STEREO FADER	DRAWN: AC	DATE: AUG 03	SHEET: 16 OFF 41
BOARD No. V0006 BOARD Iss. 1	CHECKED:	SHEET Iss: 1	DRG No.PCX-V0006-1.1.SCH



FADER BODY (PINS 7 & 8) CONNECTED TO '0V'

FOR CHANGES SEE ECN#281	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

UNIT: VERONA

TITLE: STEREO FADER

BOARD No. V0006 BOARD Iss. 1

MIDAS AUDIO

DRAWN: AC/SM

DATE: AUG 03

SHEET: 17 OFF 41

CHECKED:

SHEET Iss: 1

DRG No. PCX-V0006-1.1.SCH

POST_FADER_CH4
[18,19]

AUX_PRE_CH4
[15,16]

POST_FADER_CH4
[18,19]

AUX_PRE_CH4
[15,16]

PRE_FADER_CH4
[15,16]

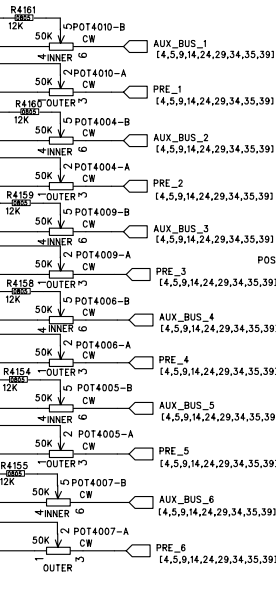
PRE FADE 7

PRE FADE 8

POST_FADER_CH4
[18,19]

LEFT_CH4
[17,18,19]

RIGHT_CH4
[17,18,19]



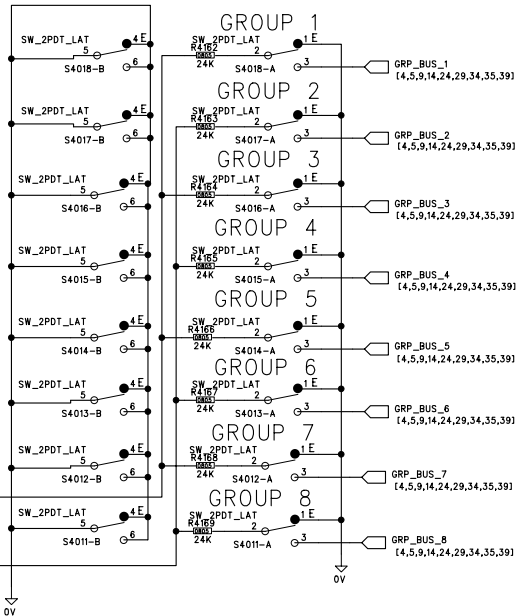
LEFT_CH4
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RIGHT_CH4
[17,18,19]

POST_FADER_CH4
[18,19]

ST MASTER

MONO MASTER



UNIT: VERONA

MIDAS AUDIO

TITLE: STEREO FADER

DRAWN: AC

DATE: AUG 03

SHEET: 19 OFF 41

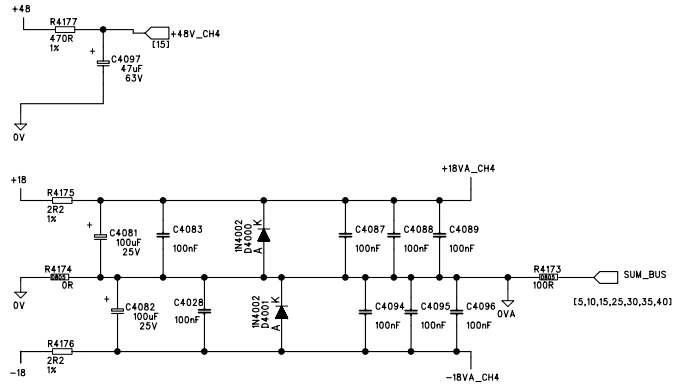
BOARD No. V0006 BOARD Iss. 1

CHECKED:

SHEET Iss: 1

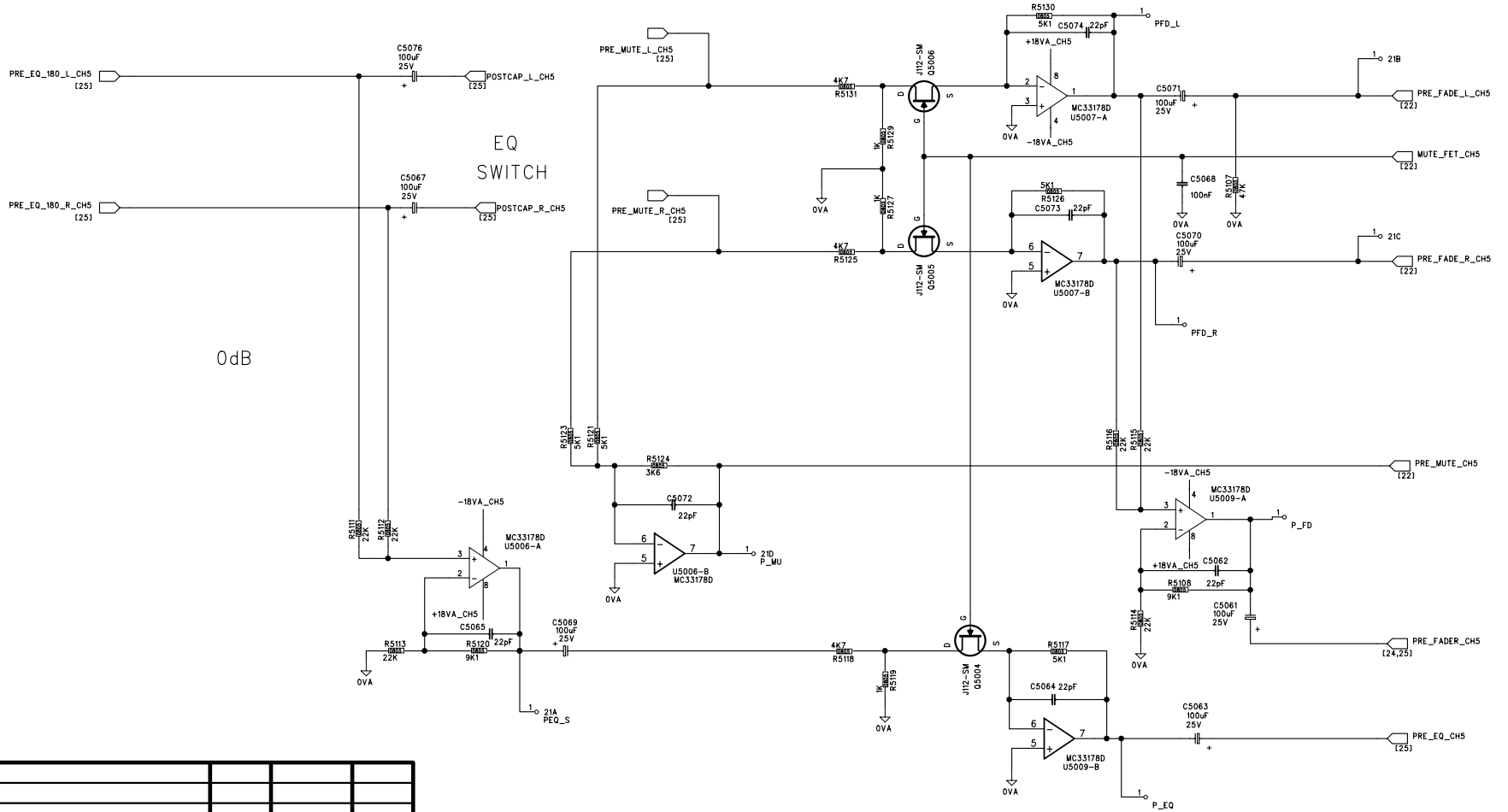
DRG No.PCX-V0006-1.1.SCH

FOR CHANGES SEE ECN4281	I.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.



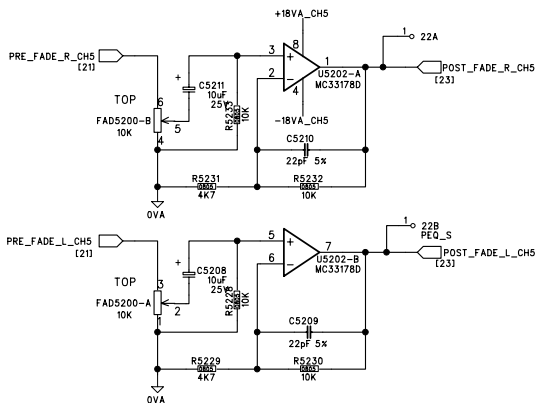
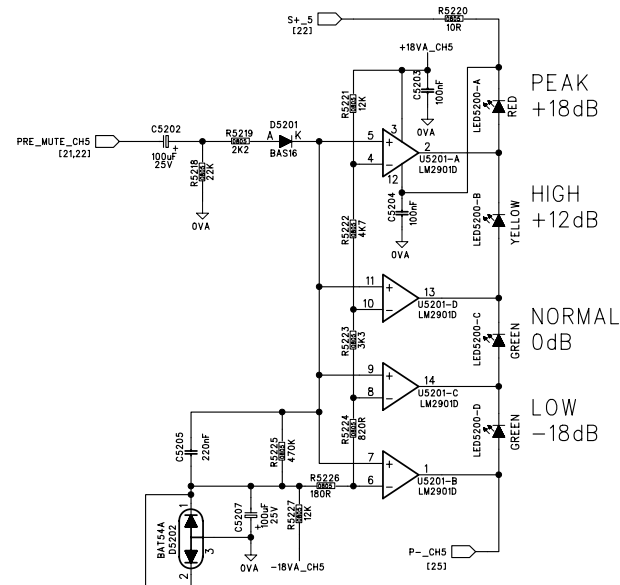
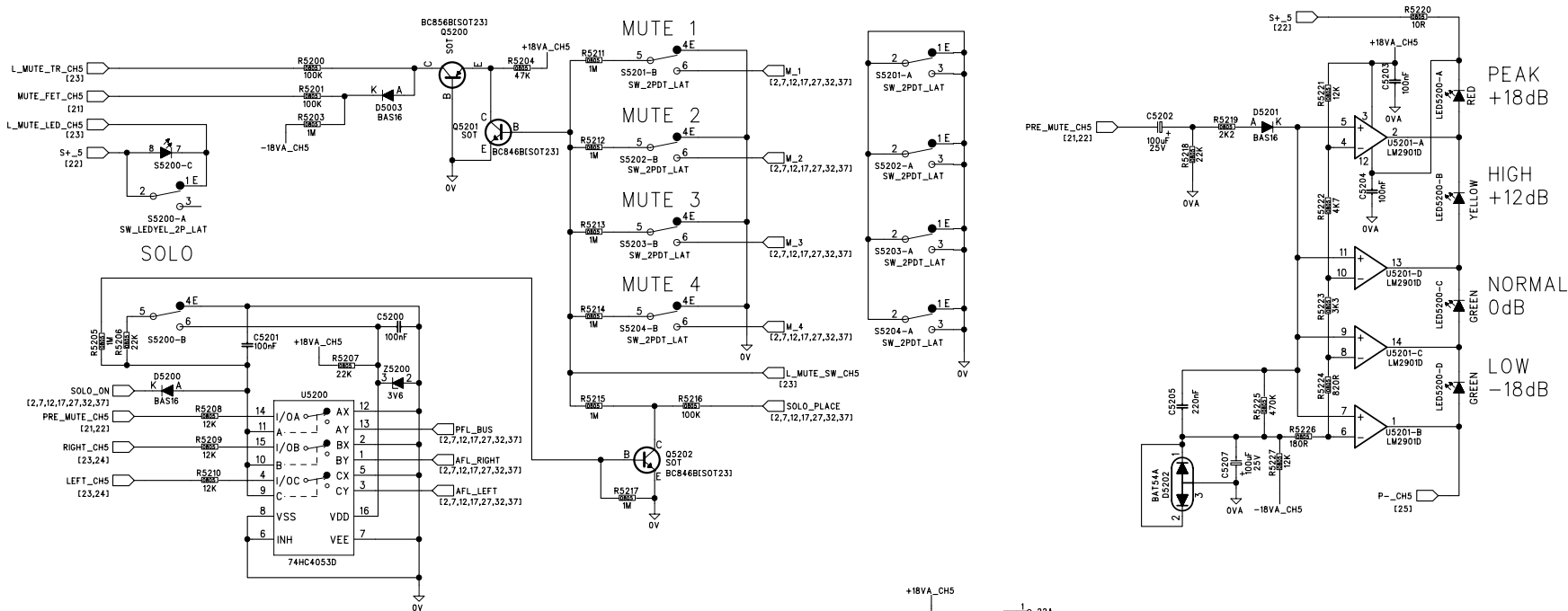
FOR CHANGES SEE ECN4281	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

UNIT: VERONA	MIDAS AUDIO		
TITLE: STEREO FADER	DRAWN: AC	DATE: AUG 03	SHEET: 20 OFF 41
BOARD No. V0006 BOARD Iss. 1	CHECKED:	SHEET Iss: 1	DRG No.PCX-V0006-1.1.SCH



FOR CHANGES SEE ECN4281	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

UNIT: M2004	MIDAS AUDIO		
TITLE: STEREO FADER	DRAWN: AC	DATE: AUG 03	SHEET: 21 OFF 41
BOARD No. V0006 BOARD Iss. 1	CHECKED:	SHEET Iss: 1	DRG No.PCX-V0006-1.1.SCH



FADER BODY (PINS 7 & 8) CONNECTED TO '0V'

UNIT: VERONA

MIDAS AUDIO

TITLE: STEREO FADER

DRAWN: AC

DATE: AUG 03

SHEET: 22 OFF 41

FOR CHANGES SEE ECN4281
AMENDMENTS

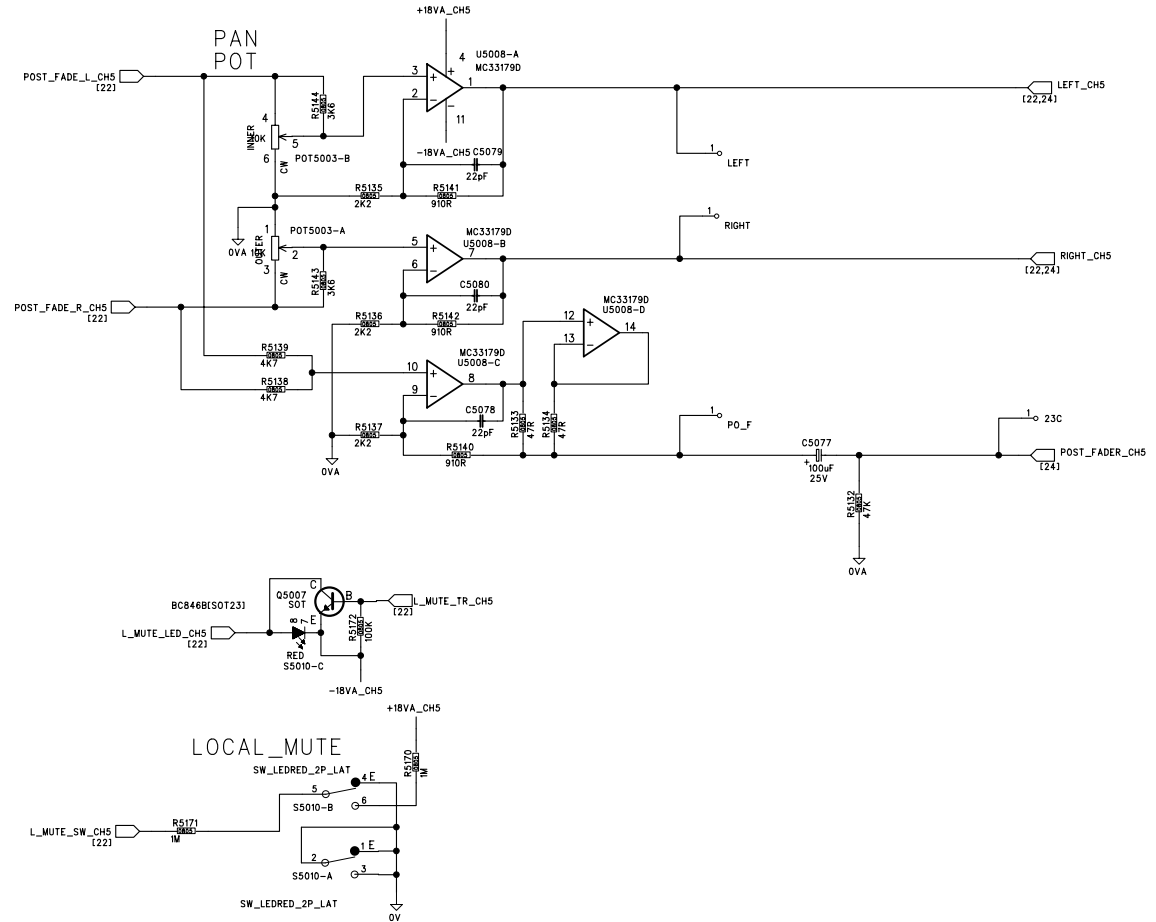
1.1	AA	31-10-03
ISS.	INIT.	DATE.

BOARD No. V0006 BOARD Iss. 1

CHECKED:

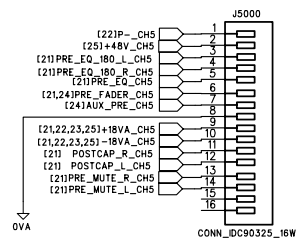
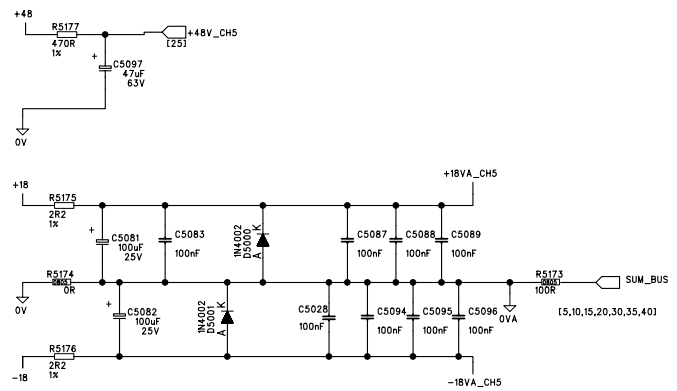
SHEET Iss: 1

DRG No.PCX-V0006-1.1.SCH

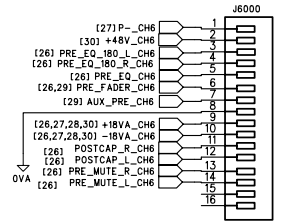


FOR CHANGES SEE ECN4281	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

UNIT: VERONA	MIDAS AUDIO		
TITLE: STEREO FADER	DRAWN: AC	DATE: AUG 03	SHEET: 23 OFF 41
BOARD No. V0006 BOARD Iss. 1	CHECKED:	SHEET Iss: 1	DRG No.PCX-V0006-1.1.SCH



CONN_DC90325_16W



CONN_DC90325_16W

FOR CHANGES SEE ECN4281	I.I	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

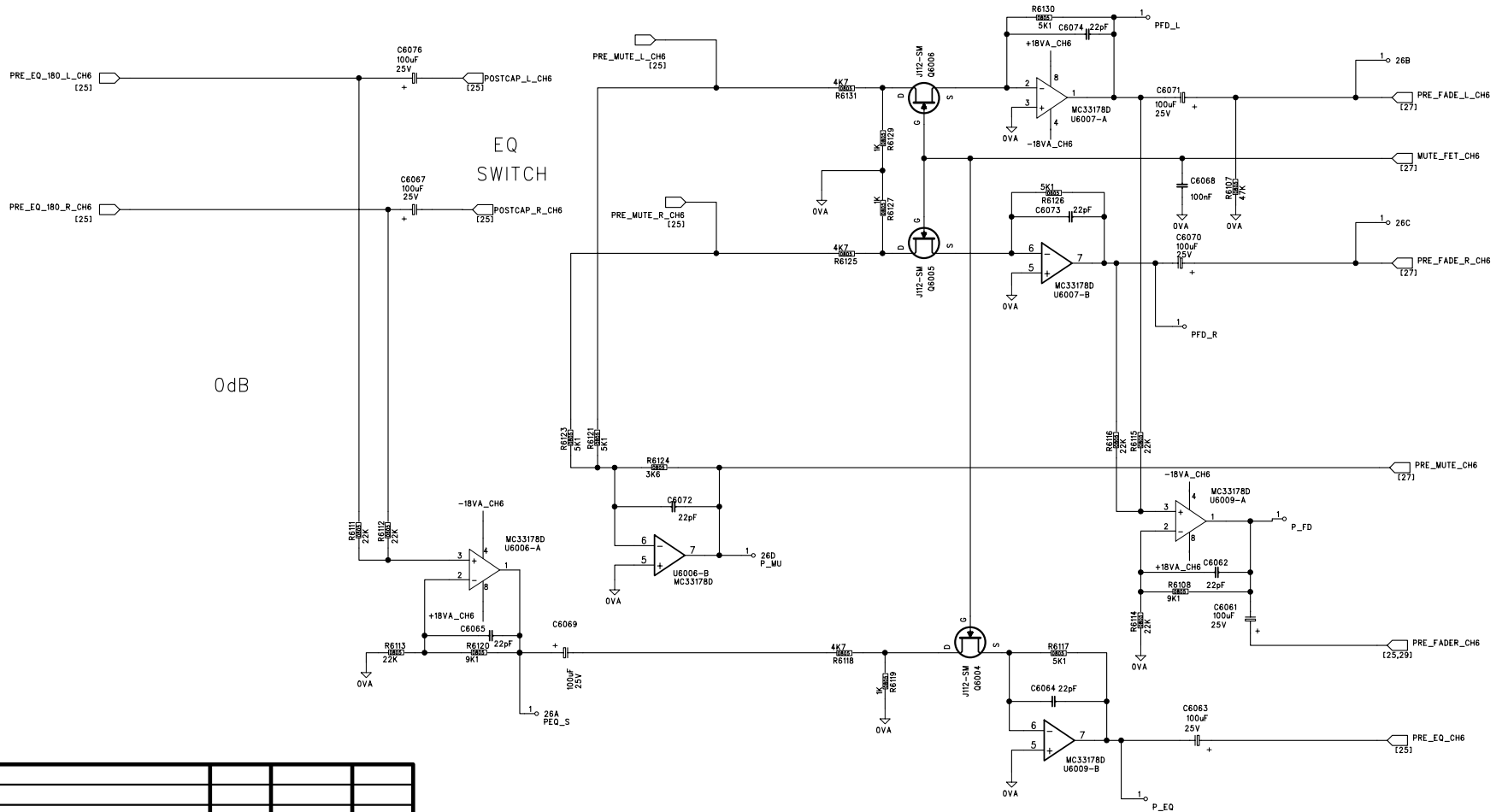
UNIT: VERONA

MIDAS AUDIO

TITLE: STEREO FADER

BOARD No. V0006 BOARD Iss. 1

DRAWN: AC	DATE: AUG 03	SHEET: 25 OFF 41
CHECKED:	SHEET Iss: 1	DRG No.PCX-V0006-1.1.SCH



0dB

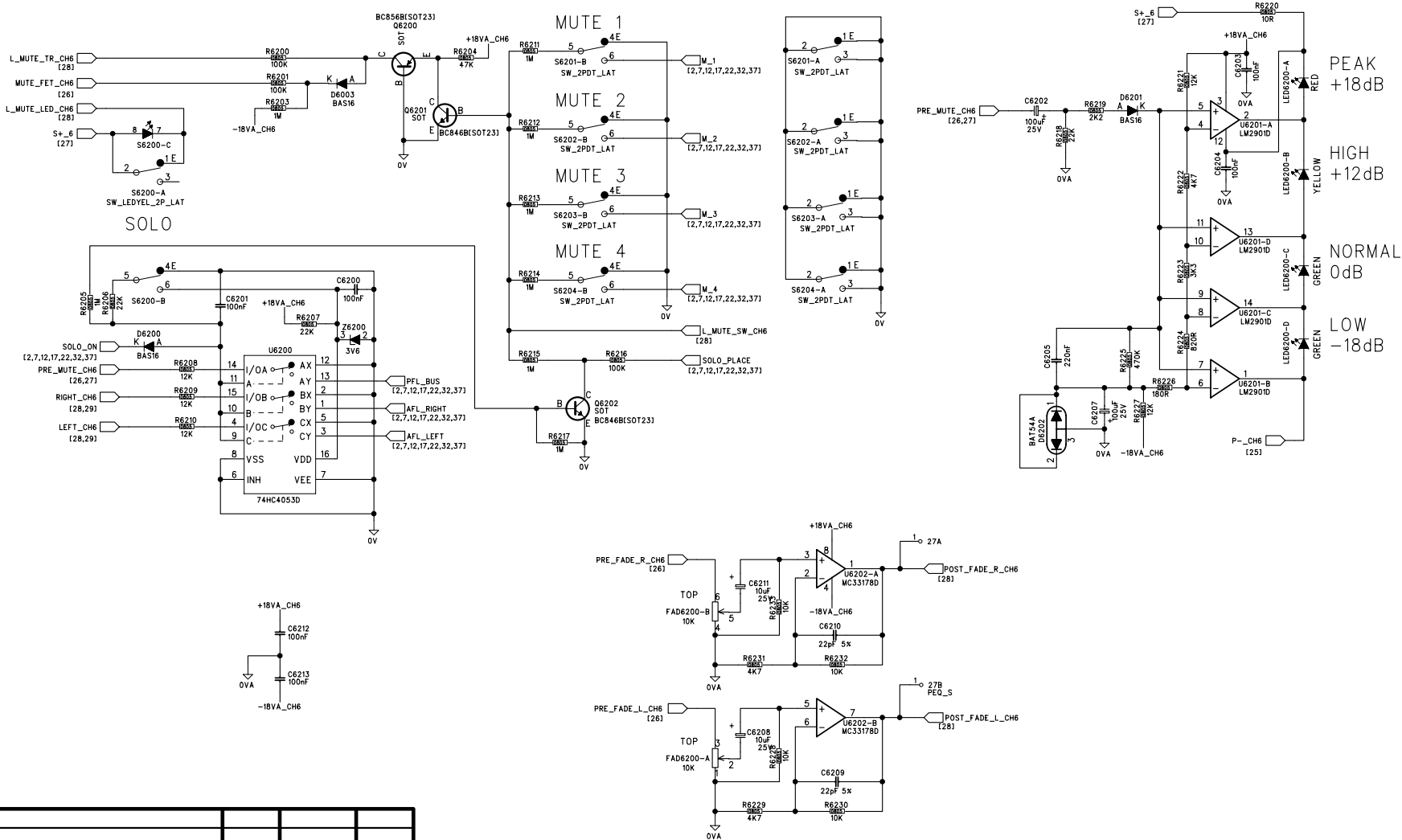
EQ SWITCH

UNIT: M2004
 TITLE: STEREO FADER
 BOARD No. V0006 BOARD Iss. 1

MIDAS AUDIO

FOR CHANGES SEE ECN4281	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

DRAWN: AC	DATE: AUG 03	SHEET: 26 OFF 41
CHECKED:	SHEET Iss: 1	DRG No.PCX-V0006-1.1.SCH



FADER BODY (PINS 7 & 8) CONNECTED TO '0V'

UNIT: VERONA

MIDAS AUDIO

TITLE: STEREO FADER

DRAWN: AC/SM

DATE: AUG 03

SHEET: 27 OFF 41

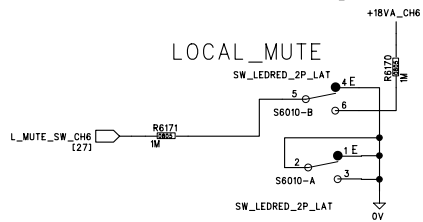
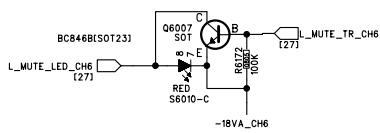
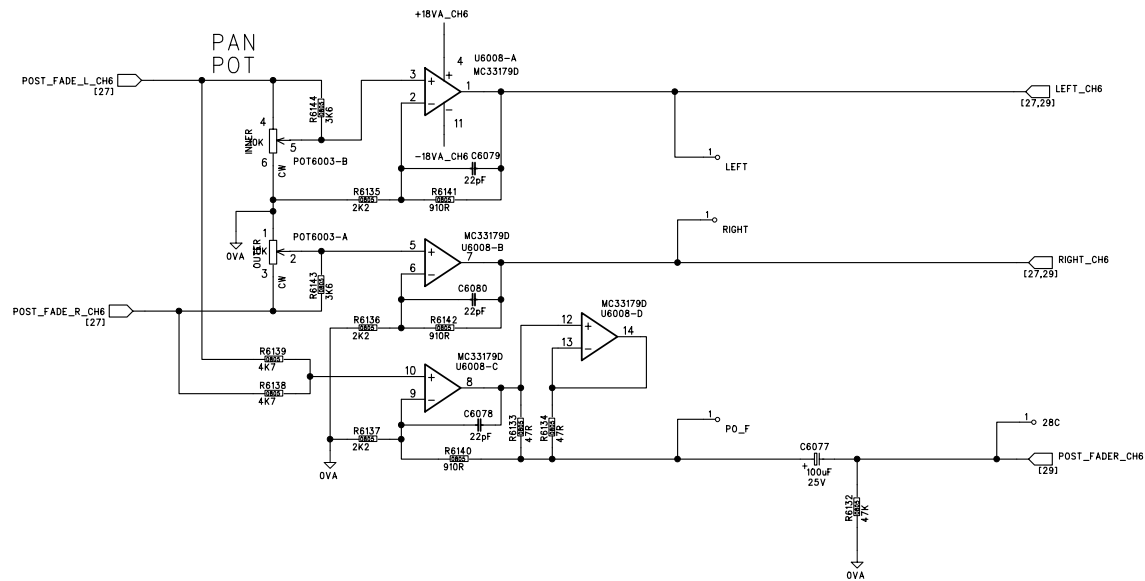
BOARD No. V0006 BOARD Iss. 1

CHECKED:

SHEET Iss: 1

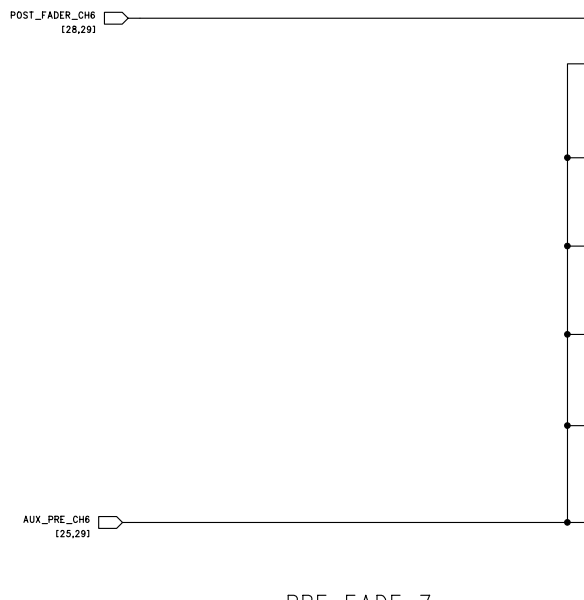
DRG No. PCX-V0006-1.1.SCH

FOR CHANGES SEE ECN#281	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.



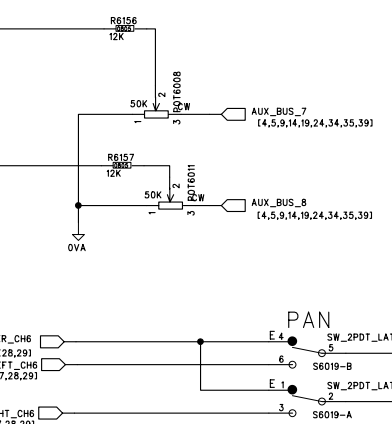
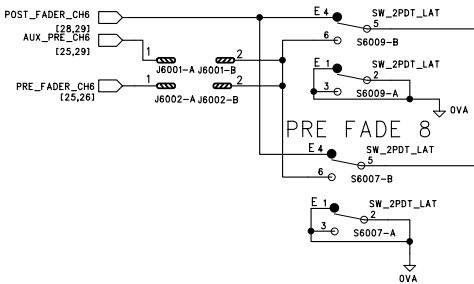
FOR CHANGES SEE ECN4281	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

UNIT:	VERONA	MIDAS AUDIO					
TITLE:	STEREO FADER	DRAWN:	AC	DATE:	AUG 03	SHEET:	28 OFF 41
BOARD No. V0006		BOARD Iss. 1		CHECKED:	SHEET Iss: 1	DRG No.PCX-V0006-1.1.SCH	

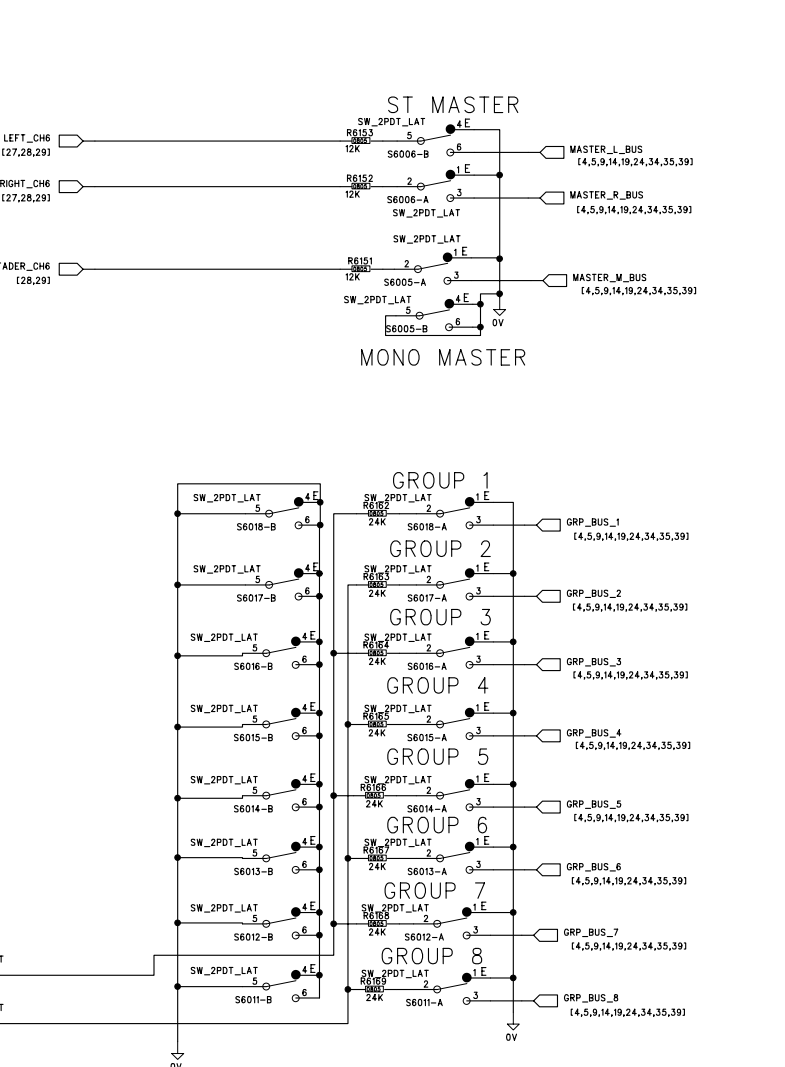


PRE FADE 7

PRE FADE 8

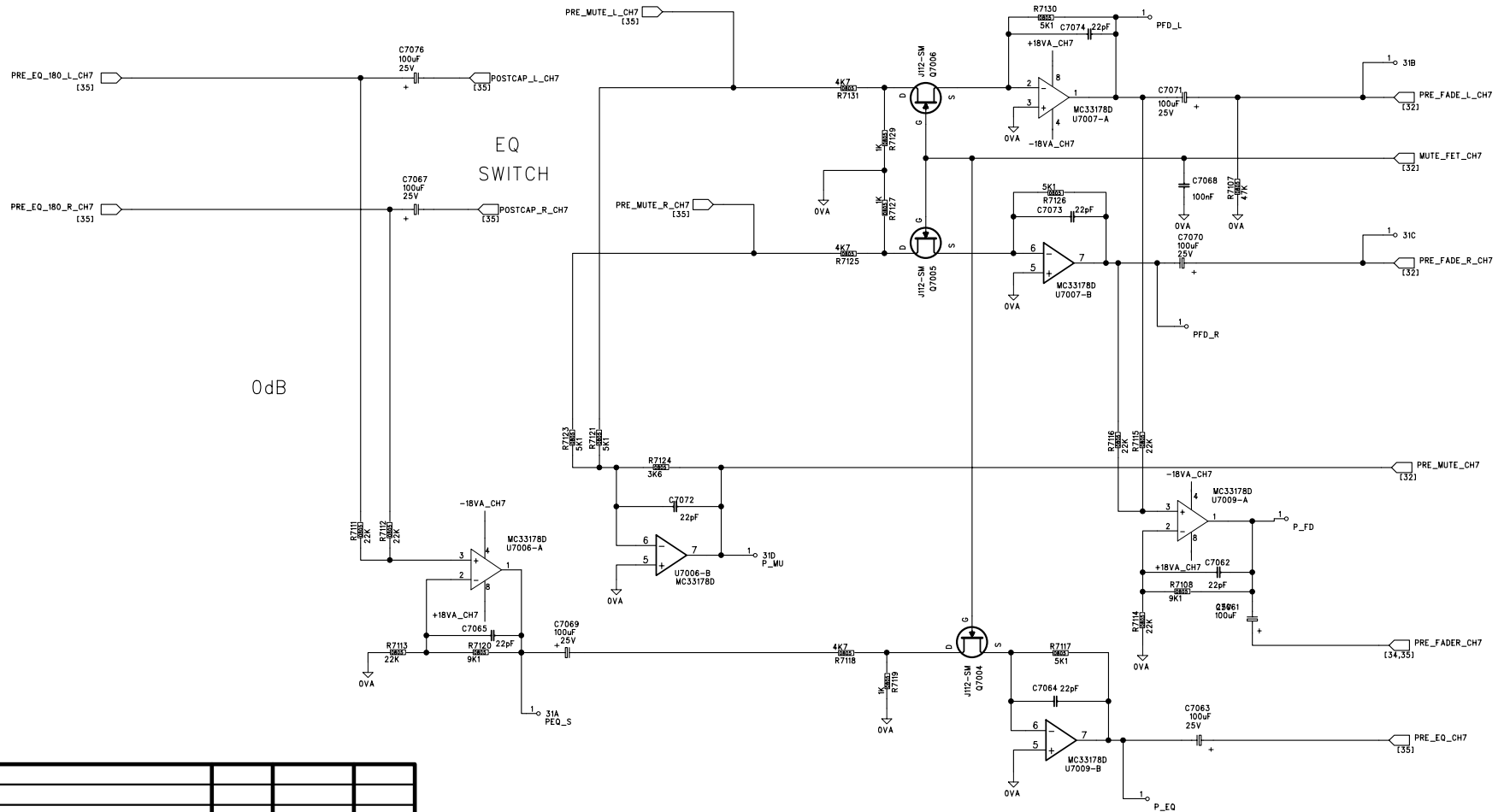


PAN



FOR CHANGES SEE ECN4281	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

UNIT: VERONA	MIDAS AUDIO		
TITLE: STEREO FADER	DRAWN: AC	DATE: AUG 03	SHEET: 29 OFF 41
BOARD No. V0006 BOARD Iss. 1	CHECKED:	SHEET Iss: 1	DRG No.PCX-V0006-1.1.SCH



0dB

FOR CHANGES SEE ECN4281	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

UNIT: M2004

MIDAS AUDIO

TITLE: STEREO FADER

DRAWN: AC

DATE: AUG 03

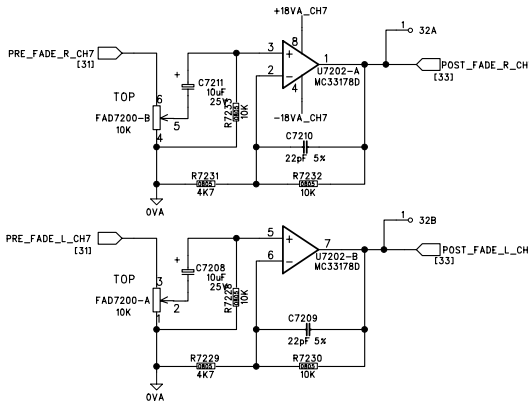
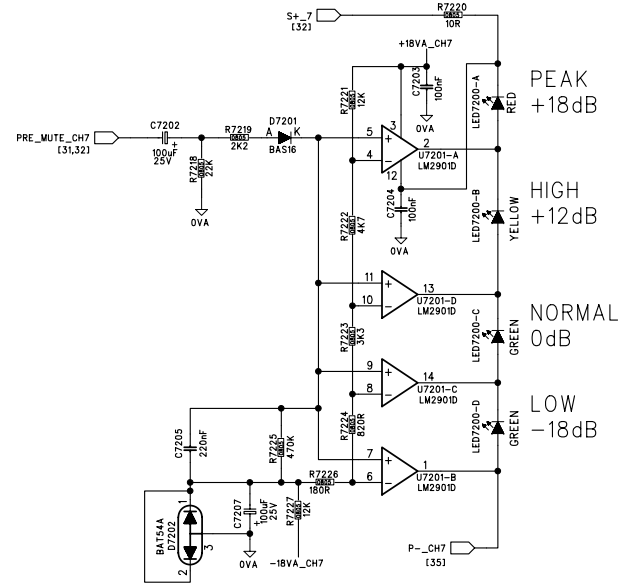
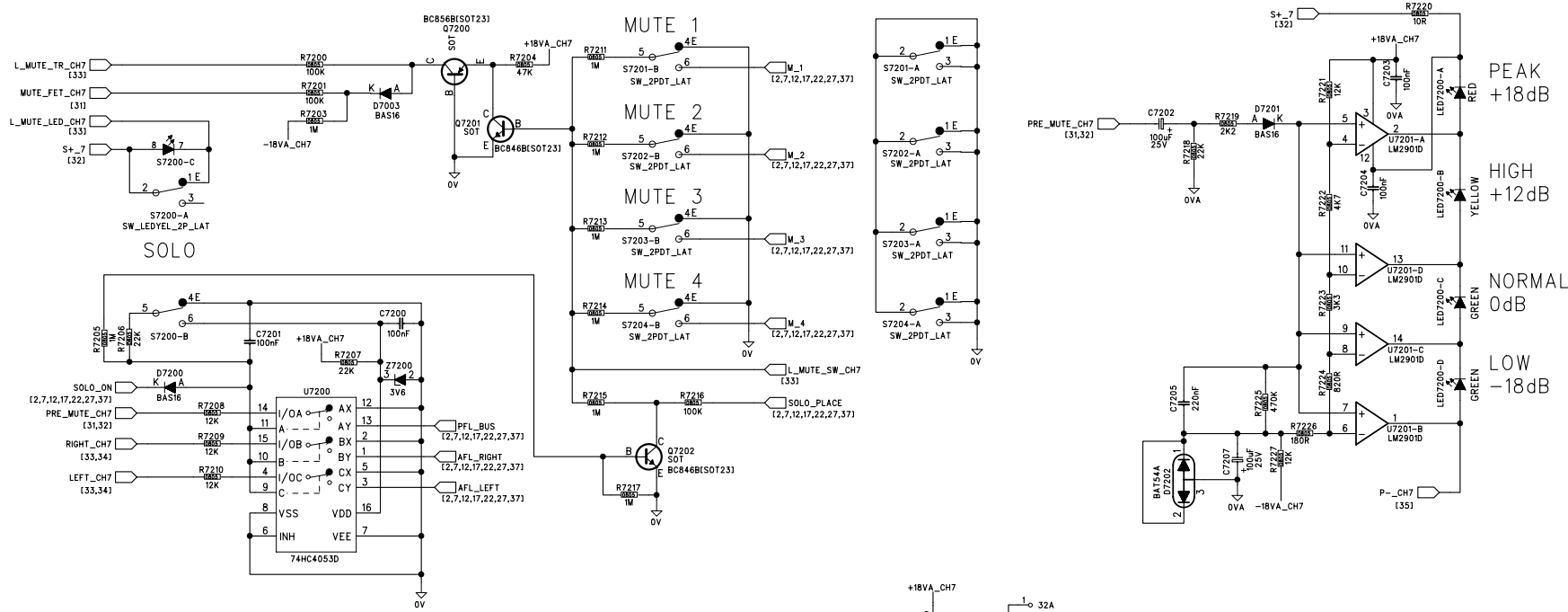
SHEET: 31 OFF 41

BOARD No. V0006 BOARD Iss. 1

CHECKED:

SHEET Iss: 1

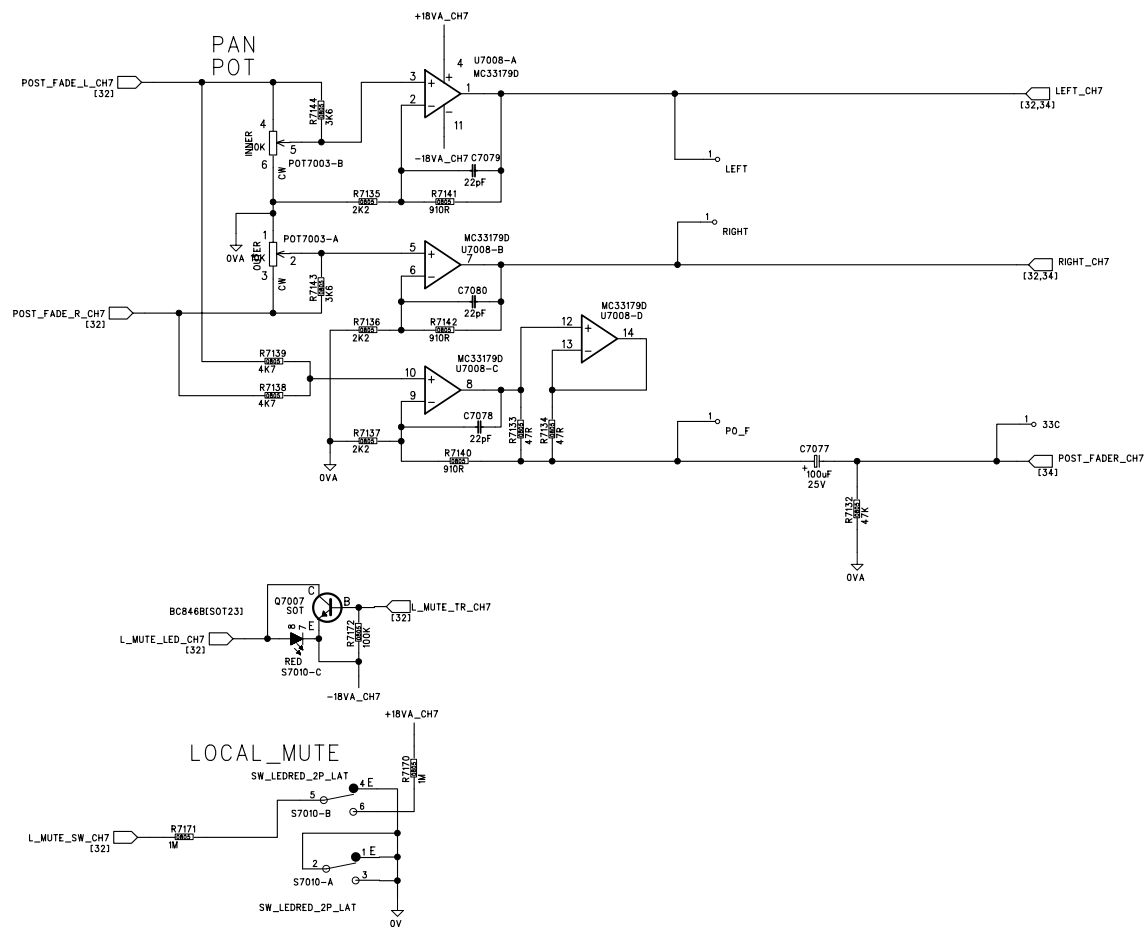
DRG No.PCX-V0006-1.SCH



FADER BODY (PINS 7 & 8) CONNECTED TO '0V'

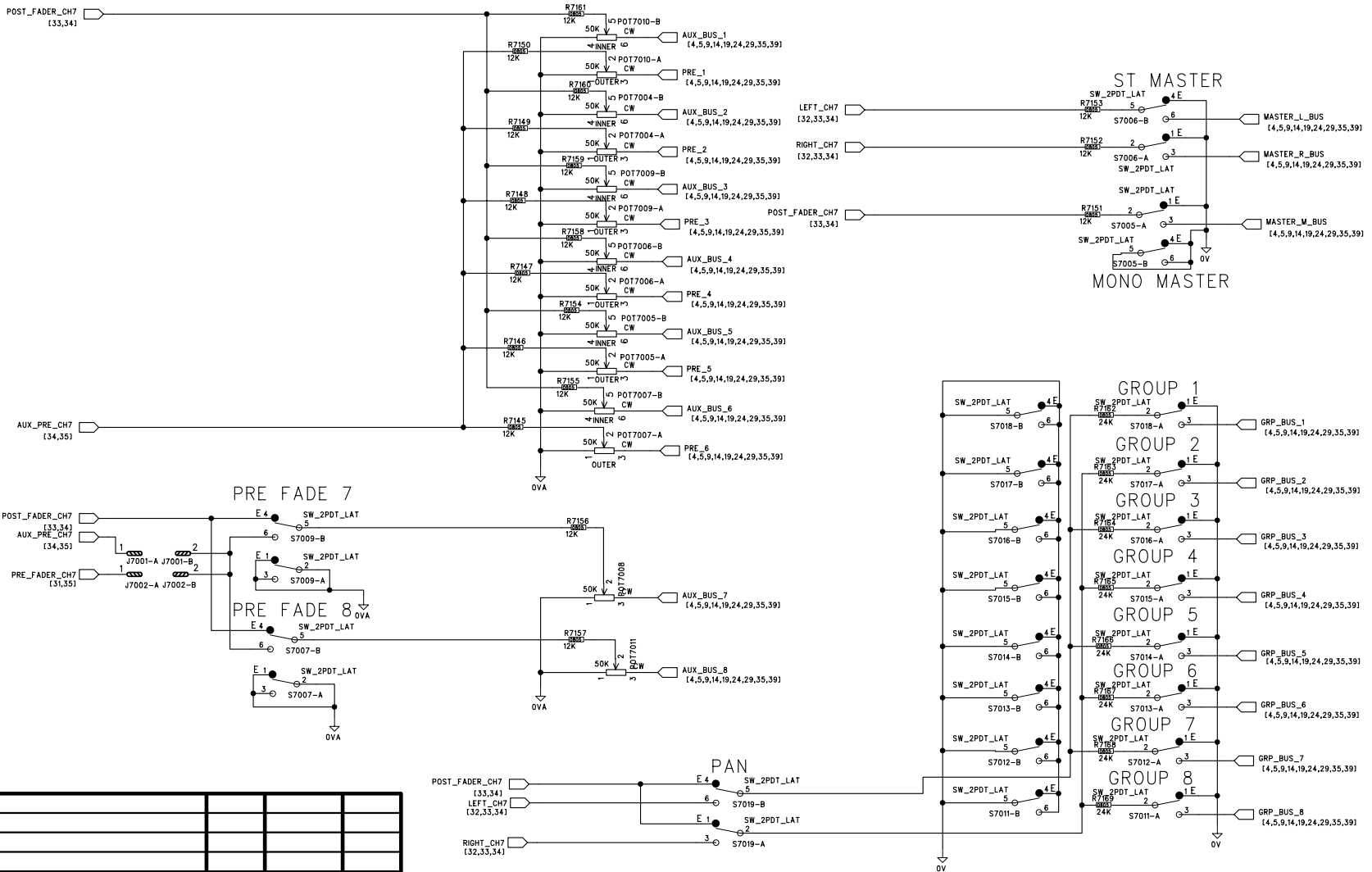
FOR CHANGES SEE ECN#281	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

UNIT: VERONA	MIDAS AUDIO			
TITLE: STEREO FADER				
BOARD No. V0006	BOARD Iss. 1	DRAWN: AC/SM	DATE: AUG 03	SHEET: 32 OFF 41
		CHECKED:	SHEET Iss: 1	DRG No. PCX-V0006-1.1.SCH



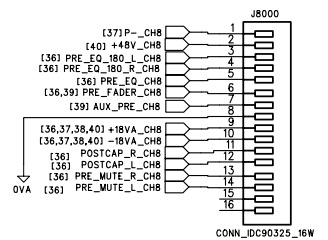
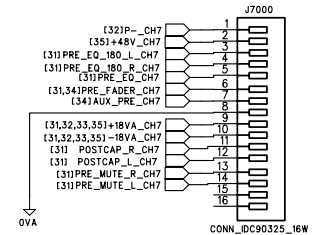
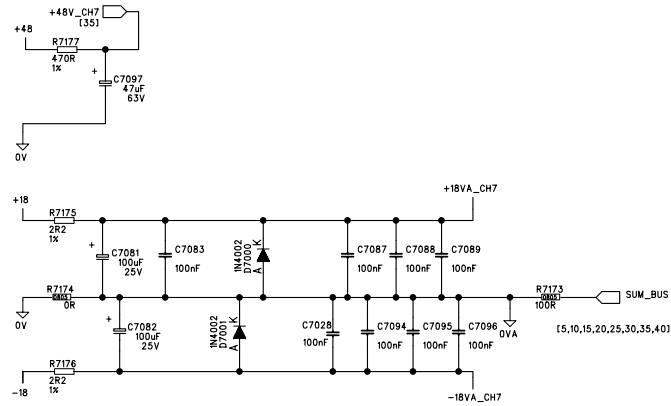
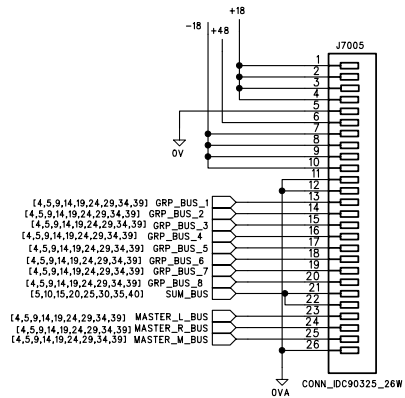
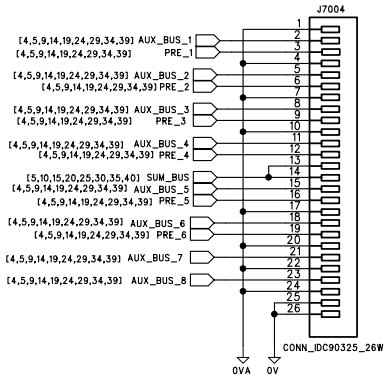
FOR CHANGES SEE ECN4281	1.1	AA	31-10-03	
AMENDMENTS	ISS.	INIT.	DATE.	

UNIT: VERONA		MIDAS AUDIO			
TITLE: STEREO FADER		DRAWN: AC	DATE: AUG 03	SHEET: 33 OFF 41	
BOARD No. V0006 BOARD Iss. 1		CHECKED:	SHEET Iss: 1	DRG No.PCX-V0006-1.1.SCH	



FOR CHANGES SEE ECN4281			
AMENDMENTS	ISS.	INIT.	DATE.
1.1	AA		31-10-03

UNIT: VERONA	MIDAS AUDIO		
TITLE: STEREO FADER	DRAWN: AC	DATE: AUG 03	SHEET: 34 OFF 41
BOARD No. V0006 BOARD Iss. 1	CHECKED:	SHEET Iss: 1	DRG No.PCX-V0006-1.1.SCH



UNIT: VERONA

MIDAS AUDIO

TITLE: STEREO FADER

DRAWN: AC

DATE: AUG 03

SHEET: 35 OFF 41

FOR CHANGES SEE ECW4281

1.1

AA

31-10-03

BOARD No. V0006 BOARD Iss. 1

CHECKED:

SHEET Iss: 1

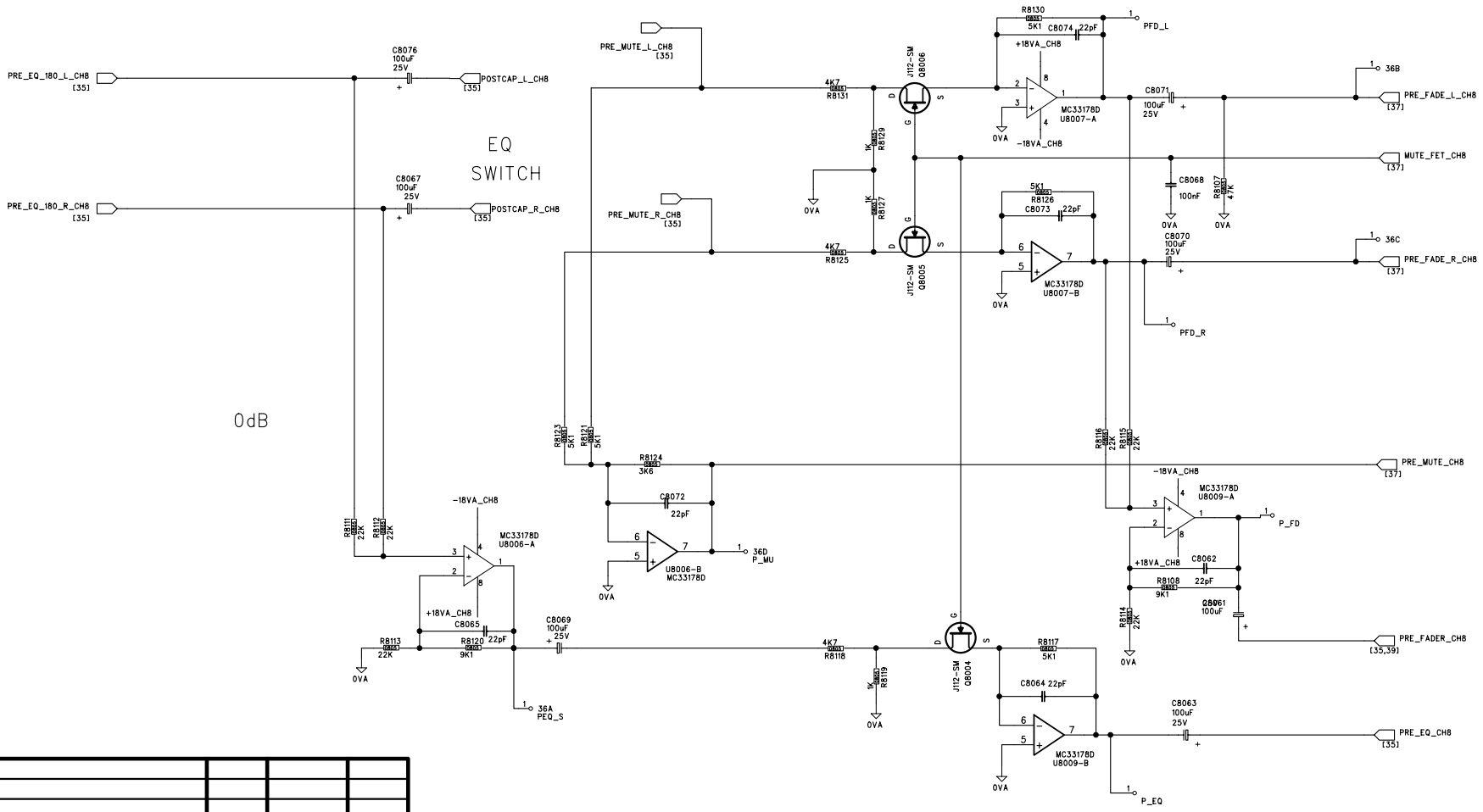
DRG No.PCX-V0006-1.1.SCH

AMENDMENTS

ISS.

INIT.

DATE.

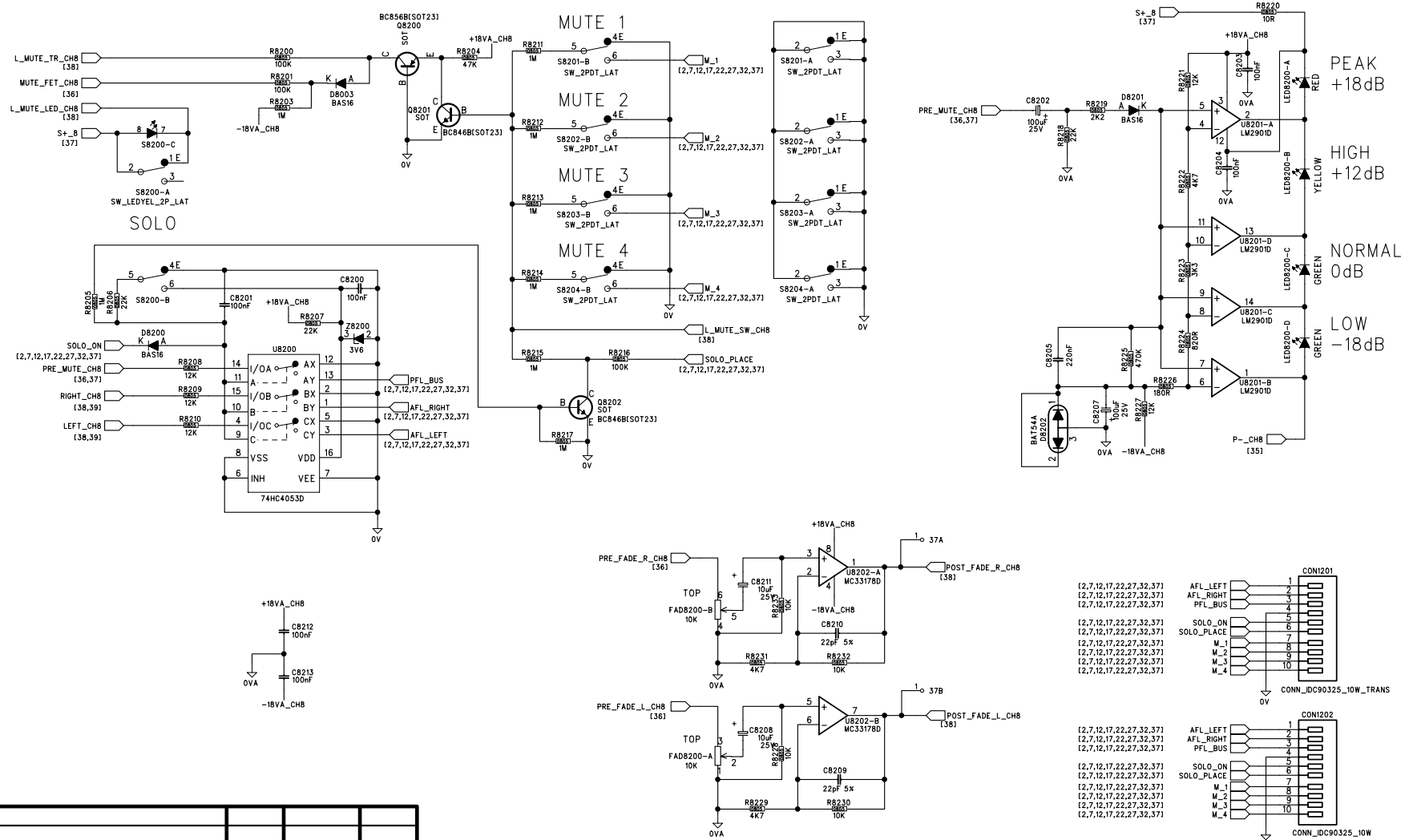


0dB

FOR CHANGES SEE ECW4281	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

UNIT: M2004
 TITLE: STEREO FADER
 BOARD No. V0006 BOARD Iss. 1

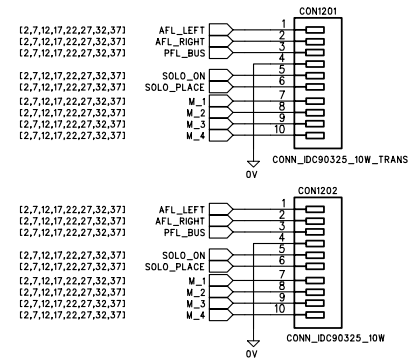
MIDAS AUDIO
 DRAWN: AC DATE: AUG 03 SHEET: 36 OFF 41
 CHECKED: SHEET Iss: 1 DRG No. PCX-V0006-1.1.SCH

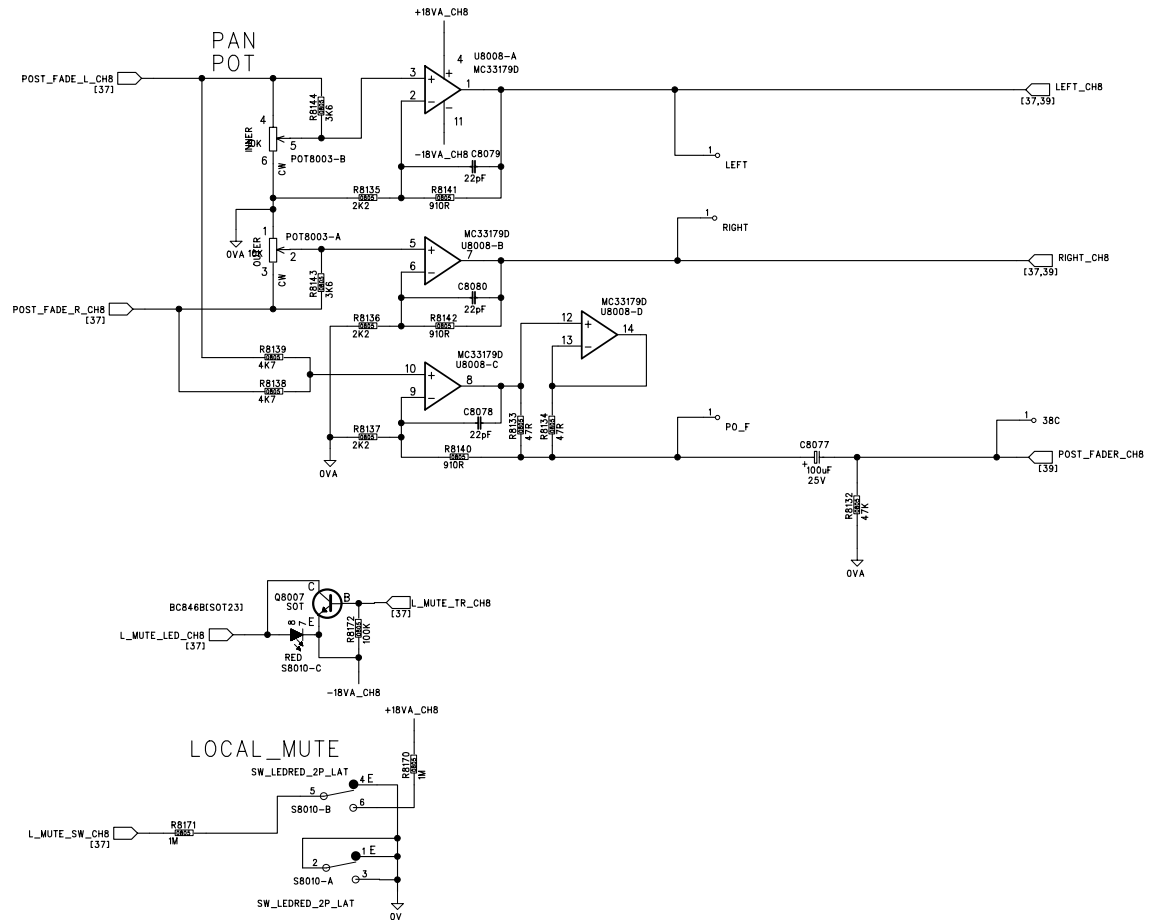


FADER BODY (PINS 7 & 8) CONNECTED TO '0V'

FOR CHANGES SEE ECN4281	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

UNIT: VERONA	MIDAS AUDIO			
TITLE: STEREO FADER				
BOARD No. V0006	BOARD Iss. 1	DRAWN: AC/SM	DATE: AUG 03	SHEET: 37 OFF 41
		CHECKED:	SHEET Iss: 1	DRG No. PCX-V0006-1.1.SCH





FOR CHANGES SEE ECN#281	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

UNIT: VERONA	MIDAS AUDIO		
TITLE: STEREO FADER	DRAWN: AC	DATE: AUG 03	SHEET: 38 OFF 41
BOARD No. V0006 BOARD Iss. 1	CHECKED:	SHEET Iss: 1	DRG No.PCX-V0006-1.1.SCH

1 MTG2

1 MTG3

1 MTG4

1 MTG5

1 MTG7

1 MTG8

1 MTG9

1 MTG10

1 MTG41

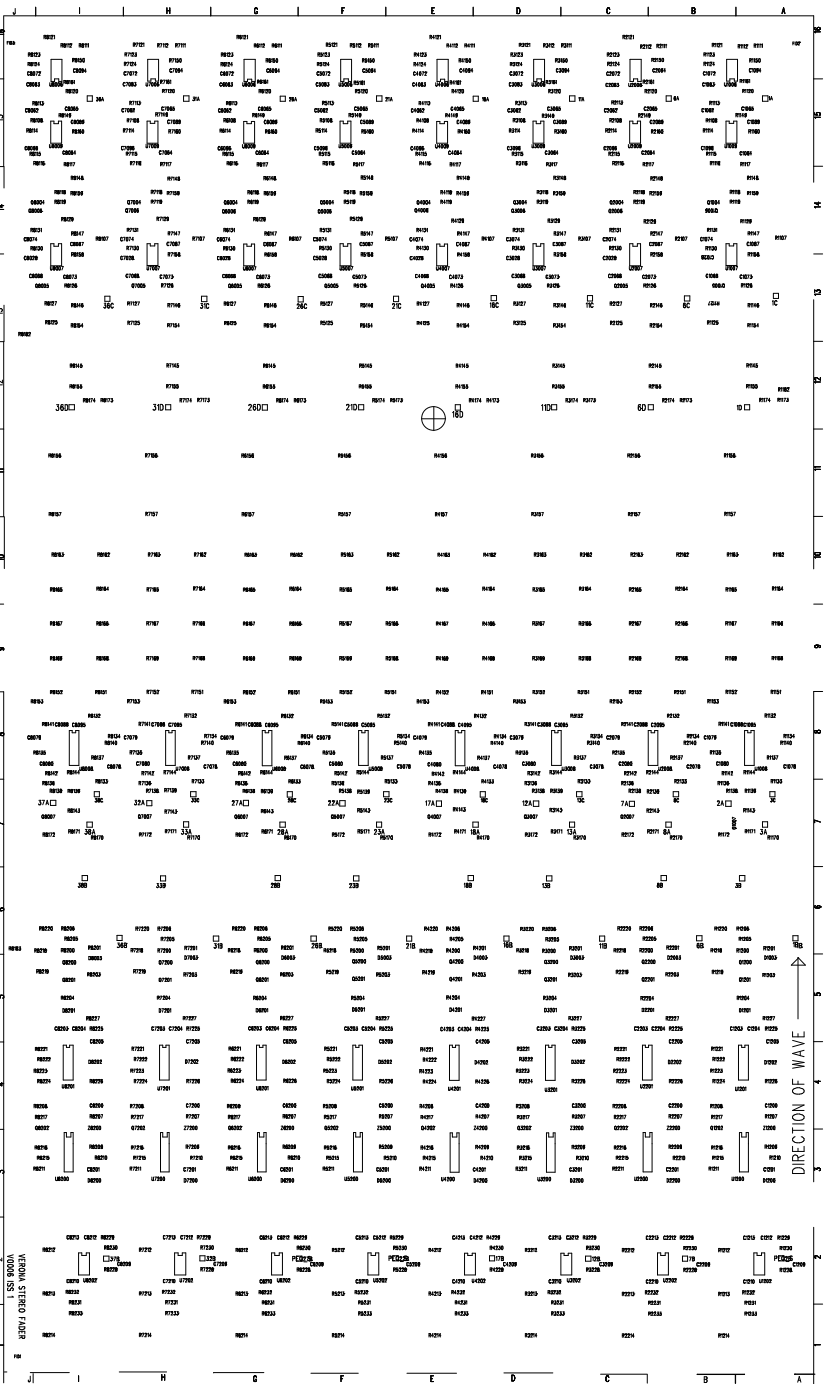
1 MTG42

1 MTG43

1 MTG44

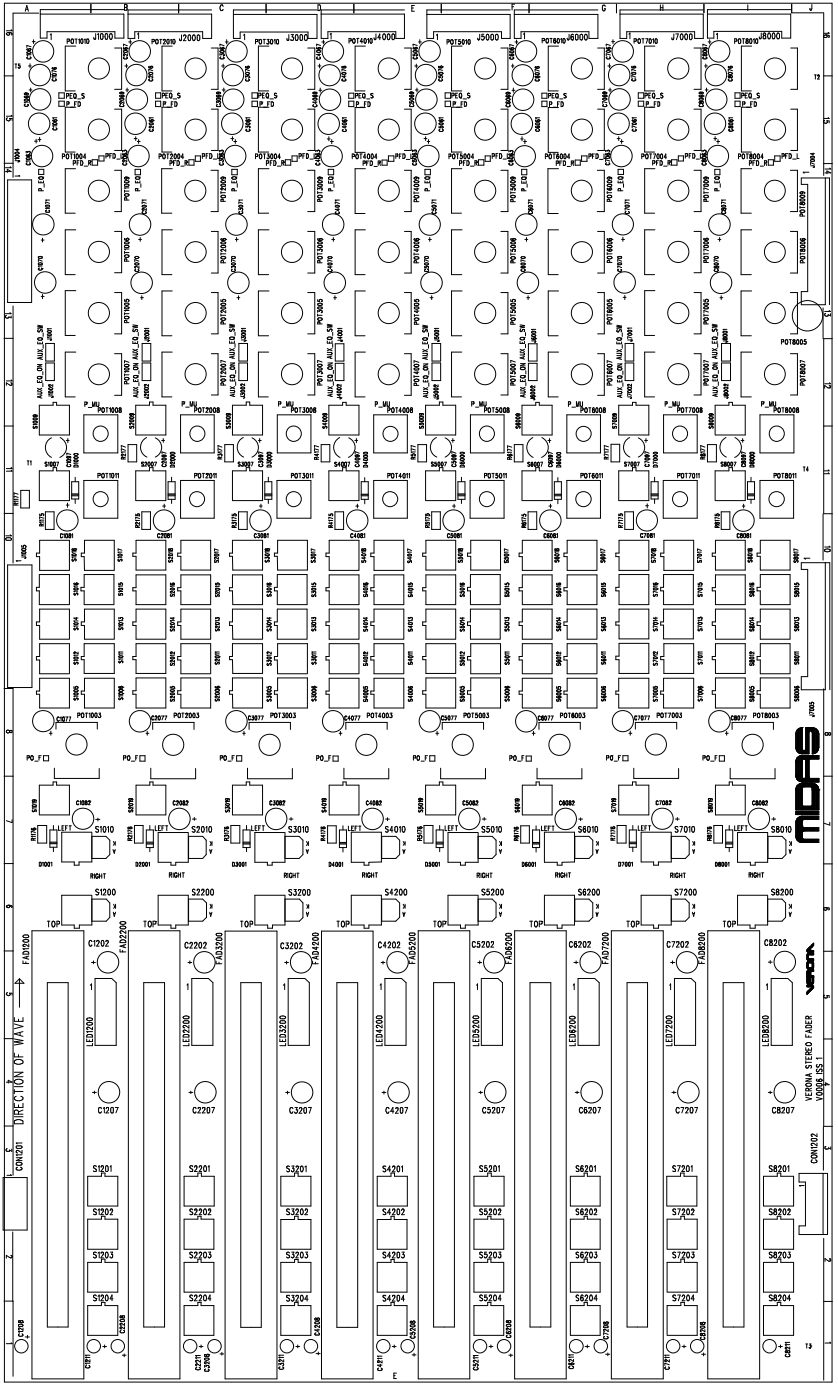
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UNIT: VERONA	MIDAS AUDIO		
TITLE: STEREO FADER	DRAWN: BG	DATE: AUG 03	SHEET: 41 OFF 41
FOR CHANGES SEE ECN4281 AMENDMENTS	ISS.	AA INIT.	31-10-03 DATE.
BOARD No. V0006	BOARD Iss. 1	CHECKED:	SHEET Iss: 1
		DRG No. PCX-V0006-1.1.SCH	



VERICON STEREO FADER
V000A SS 1

DIRECTION OF WAVE ↑



MDAS

VERONA STEREO TAPE
V9000 DS 1

CONTR. DIRECTION OF WAVE

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
1A	Top	A15
1B	Bottom	A6
1C	Bottom	A13
1D	Bottom	A12
2A	Bottom	B7
2B	Bottom	A2
3A	Bottom	A7
3B	Bottom	A6
3C	Bottom	A7
6A	Top	B15
6B	Bottom	B6
6C	Bottom	B13
6D	Bottom	B12
7A	Bottom	C7
7B	Bottom	B2
8A	Bottom	B7
8B	Bottom	B6
8C	Bottom	B7
11A	Top	C15
11B	Bottom	C6
11C	Bottom	C13
11D	Bottom	D12
12A	Bottom	D7
12B	Bottom	C2
13A	Bottom	C7
13B	Bottom	D6
13C	Bottom	C7
16A	Top	D15
16B	Bottom	D6
16C	Bottom	D13
16D	Bottom	E12
17A	Bottom	E7
17B	Bottom	D2
18A	Bottom	D7
18B	Bottom	E6
18C	Bottom	D7
21A	Top	F15
21B	Bottom	E6
21C	Bottom	E13
21D	Bottom	F12
22A	Bottom	F7
22B	Bottom	E2
23A	Bottom	F7
23B	Bottom	F6
23C	Bottom	E7
26A	Top	G15
26B	Bottom	F6
26C	Bottom	F13
26D	Bottom	G12
27A	Bottom	G7
27B	Bottom	F2
28A	Bottom	G7
28B	Bottom	G6
28C	Bottom	G7
31A	Top	H15

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
31B	Bottom	G6
31C	Bottom	H13
31D	Bottom	H12
32A	Bottom	H7
32B	Bottom	H2
33A	Bottom	H7
33B	Bottom	H6
33C	Bottom	H7
36A	Top	I15
36B	Bottom	I6
36C	Bottom	I13
36D	Bottom	I12
37A	Bottom	I7
37B	Bottom	I2
38A	Bottom	I7
38B	Bottom	I6
38C	Bottom	I7
C1028	Bottom	B13
C1061	Top	A15
C1062	Bottom	B15
C1063	Top	A15
C1064	Bottom	A15
C1065	Bottom	A15
C1067	Top	A16
C1068	Bottom	B13
C1069	Top	A15
C1070	Top	A13
C1071	Top	A14
C1072	Bottom	B16
C1073	Bottom	A13
C1074	Bottom	B14
C1076	Top	A16
C1077	Top	A8
C1078	Bottom	A8
C1079	Bottom	B8
C1080	Bottom	B8
C1081	Top	A10
C1082	Top	A7
C1083	Bottom	B16
C1087	Bottom	A14
C1088	Bottom	A8
C1089	Bottom	A15
C1094	Bottom	A16
C1095	Bottom	A8
C1096	Bottom	B15
C1097	Top	A11
C1200	Bottom	A4
C1201	Bottom	A3
C1202	Top	B5
C1203	Bottom	A5
C1204	Bottom	A5
C1205	Bottom	A4
C1207	Top	B4
C1208	Top	A1
C1209	Bottom	A2

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
C1210	Bottom	A2
C1211	Top	B1
C1212	Bottom	A2
C1213	Bottom	A2
C2028	Bottom	C13
C2061	Top	B15
C2062	Bottom	C15
C2063	Top	B15
C2064	Bottom	B15
C2065	Bottom	B15
C2067	Top	B16
C2068	Bottom	C13
C2069	Top	B15
C2070	Top	B13
C2071	Top	B14
C2072	Bottom	C16
C2073	Bottom	B13
C2074	Bottom	C14
C2076	Top	B16
C2077	Top	B8
C2078	Bottom	B8
C2079	Bottom	C8
C2080	Bottom	C8
C2081	Top	B10
C2082	Top	C7
C2083	Bottom	C16
C2087	Bottom	B14
C2088	Bottom	C8
C2089	Bottom	B15
C2094	Bottom	B16
C2095	Bottom	B8
C2096	Bottom	C15
C2097	Top	B11
C2200	Bottom	B4
C2201	Bottom	B3
C2202	Top	C5
C2203	Bottom	C5
C2204	Bottom	B5
C2205	Bottom	B4
C2207	Top	C4
C2208	Top	B1
C2209	Bottom	B2
C2210	Bottom	B2
C2211	Top	C1
C2212	Bottom	B2
C2213	Bottom	B2
C3028	Bottom	D13
C3061	Top	C15
C3062	Bottom	D15
C3063	Top	C15
C3064	Bottom	D15
C3065	Bottom	D15
C3067	Top	C16
C3068	Bottom	D13
C3069	Top	C15

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
C3070	Top	C13
C3071	Top	C14
C3072	Bottom	D16
C3073	Bottom	D13
C3074	Bottom	D14
C3076	Top	C16
C3077	Top	C8
C3078	Bottom	C8
C3079	Bottom	D8
C3080	Bottom	D8
C3081	Top	C10
C3082	Top	D7
C3083	Bottom	D16
C3087	Bottom	C14
C3088	Bottom	D8
C3089	Bottom	C15
C3094	Bottom	C16
C3095	Bottom	C8
C3096	Bottom	D15
C3097	Top	C11
C3200	Bottom	C4
C3201	Bottom	C3
C3202	Top	D5
C3203	Bottom	D5
C3204	Bottom	D5
C3205	Bottom	C4
C3207	Top	D4
C3208	Top	C1
C3209	Bottom	C2
C3210	Bottom	D2
C3211	Top	D1
C3212	Bottom	C2
C3213	Bottom	D2
C4028	Bottom	E13
C4061	Top	D15
C4062	Bottom	E15
C4063	Top	D15
C4064	Bottom	E15
C4065	Bottom	E15
C4067	Top	D16
C4068	Bottom	E13
C4069	Top	D15
C4070	Top	D13
C4071	Top	D14
C4072	Bottom	E16
C4073	Bottom	E13
C4074	Bottom	E14
C4076	Top	D16
C4077	Top	D8
C4078	Bottom	D8
C4079	Bottom	E8
C4080	Bottom	E8
C4081	Top	E10
C4082	Top	E7
C4083	Bottom	E16

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
C4087	Bottom	E14
C4088	Bottom	E8
C4089	Bottom	E15
C4094	Bottom	E16
C4095	Bottom	E8
C4096	Bottom	E15
C4097	Top	D11
C4200	Bottom	D4
C4201	Bottom	D3
C4202	Top	E5
C4203	Bottom	E5
C4204	Bottom	E5
C4205	Bottom	D4
C4207	Top	E4
C4208	Top	D1
C4209	Bottom	D2
C4210	Bottom	E2
C4211	Top	E1
C4212	Bottom	D2
C4213	Bottom	E2
C5028	Bottom	F13
C5061	Top	E15
C5062	Bottom	F15
C5063	Top	E15
C5064	Bottom	F15
C5065	Bottom	F15
C5067	Top	E16
C5068	Bottom	F13
C5069	Top	E15
C5070	Top	E13
C5071	Top	E14
C5072	Bottom	F16
C5073	Bottom	F13
C5074	Bottom	F14
C5076	Top	E16
C5077	Top	E8
C5078	Bottom	E8
C5079	Bottom	F8
C5080	Bottom	F8
C5081	Top	F10
C5082	Top	F7
C5083	Bottom	F16
C5087	Bottom	F14
C5088	Bottom	F8
C5089	Bottom	F15
C5094	Bottom	F16
C5095	Bottom	F8
C5096	Bottom	F15
C5097	Top	E11
C5200	Bottom	F4
C5201	Bottom	F3
C5202	Top	F5
C5203	Bottom	F5
C5204	Bottom	F5
C5205	Bottom	E4

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
C5207	Top	F4
C5208	Top	E1
C5209	Bottom	E2
C5210	Bottom	F2
C5211	Top	F1
C5212	Bottom	F2
C5213	Bottom	F2
C6028	Bottom	G13
C6061	Top	F15
C6062	Bottom	G15
C6063	Top	F15
C6064	Bottom	G15
C6065	Bottom	G15
C6067	Top	F16
C6068	Bottom	G13
C6069	Top	F15
C6070	Top	F13
C6071	Top	F14
C6072	Bottom	G16
C6073	Bottom	G13
C6074	Bottom	G14
C6076	Top	F16
C6077	Top	F8
C6078	Bottom	G8
C6079	Bottom	G8
C6080	Bottom	G8
C6081	Top	G10
C6082	Top	G7
C6083	Bottom	G16
C6087	Bottom	G14
C6088	Bottom	G8
C6089	Bottom	G15
C6094	Bottom	G16
C6095	Bottom	G8
C6096	Bottom	G15
C6097	Top	G11
C6200	Bottom	G4
C6201	Bottom	G3
C6202	Top	G5
C6203	Bottom	G5
C6204	Bottom	G5
C6205	Bottom	G4
C6207	Top	G4
C6208	Top	F1
C6209	Bottom	F2
C6210	Bottom	G2
C6211	Top	G1
C6212	Bottom	G2
C6213	Bottom	G2
C7028	Bottom	H13
C7061	Top	H15
C7062	Bottom	H15
C7063	Top	H15
C7064	Bottom	H15
C7065	Bottom	H15

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
C7067	Top	H16
C7068	Bottom	H13
C7069	Top	H15
C7070	Top	H13
C7071	Top	H14
C7072	Bottom	H16
C7073	Bottom	H13
C7074	Bottom	H14
C7076	Top	H16
C7077	Top	H8
C7078	Bottom	H8
C7079	Bottom	H8
C7080	Bottom	H8
C7081	Top	H10
C7082	Top	H7
C7083	Bottom	H16
C7087	Bottom	H14
C7088	Bottom	H8
C7089	Bottom	H15
C7094	Bottom	H16
C7095	Bottom	H8
C7096	Bottom	H15
C7097	Top	H11
C7200	Bottom	H4
C7201	Bottom	H3
C7202	Top	H5
C7203	Bottom	H5
C7204	Bottom	H5
C7205	Bottom	H4
C7207	Top	H4
C7208	Top	G1
C7209	Bottom	H2
C7210	Bottom	H2
C7211	Top	H1
C7212	Bottom	H2
C7213	Bottom	H2
C8028	Bottom	J13
C8061	Top	I15
C8062	Bottom	J15
C8063	Top	I15
C8064	Bottom	I15
C8065	Bottom	I15
C8067	Top	I16
C8068	Bottom	I13
C8069	Top	I15
C8070	Top	I13
C8071	Top	I14
C8072	Bottom	J16
C8073	Bottom	I13
C8074	Bottom	J14
C8076	Top	I16
C8077	Top	I8
C8078	Bottom	I8
C8079	Bottom	I8
C8080	Bottom	I8

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
C8081	Top	I10
C8082	Top	I7
C8083	Bottom	J16
C8087	Bottom	I14
C8088	Bottom	I8
C8089	Bottom	I15
C8094	Bottom	I16
C8095	Bottom	I8
C8096	Bottom	J15
C8097	Top	I11
C8200	Bottom	I4
C8201	Bottom	I3
C8202	Top	I5
C8203	Bottom	I5
C8204	Bottom	I5
C8205	Bottom	I4
C8207	Top	I4
C8208	Top	H1
C8209	Bottom	I2
C8210	Bottom	I2
C8211	Top	I1
C8212	Bottom	I2
C8213	Bottom	I2
CON1201	Top	A3
CON1202	Top	J3
D1000	Top	A11
D1001	Top	A7
D1003	Bottom	A5
D1200	Bottom	A3
D1201	Bottom	A5
D1202	Bottom	A4
D2000	Top	B11
D2001	Top	B7
D2003	Bottom	B5
D2200	Bottom	B3
D2201	Bottom	B5
D2202	Bottom	B4
D3000	Top	D11
D3001	Top	C7
D3003	Bottom	C5
D3200	Bottom	C3
D3201	Bottom	D5
D3202	Bottom	C4
D4000	Top	E11
D4001	Top	D7
D4003	Bottom	D5
D4200	Bottom	D3
D4201	Bottom	E5
D4202	Bottom	D4
D5000	Top	F11
D5001	Top	E7
D5003	Bottom	F5
D5200	Bottom	F3
D5201	Bottom	F5
D5202	Bottom	F4

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
D6000	Top	G11
D6001	Top	G7
D6003	Bottom	G5
D6200	Bottom	G3
D6201	Bottom	G5
D6202	Bottom	G4
D7000	Top	H11
D7001	Top	H7
D7003	Bottom	H5
D7200	Bottom	H3
D7201	Bottom	H5
D7202	Bottom	H4
D8000	Top	I11
D8001	Top	I7
D8003	Bottom	I5
D8200	Bottom	I3
D8201	Bottom	I5
D8202	Bottom	I4
FAD1200	Top	A3
FAD2200	Top	B3
FAD3200	Top	C3
FAD4200	Top	D3
FAD5200	Top	F3
FAD6200	Top	G3
FAD7200	Top	H3
FAD8200	Top	I3
FID1	Bottom	J1
FID2	Bottom	A16
FID3	Bottom	J16
J1000	Top	A16
J1001	Top	A12
J1002	Top	A12
J1004	Top	A14
J1005	Top	A9
J2000	Top	B16
J2001	Top	B12
J2002	Top	B12
J3000	Top	D16
J3001	Top	C12
J3002	Top	C12
J4000	Top	E16
J4001	Top	D12
J4002	Top	D12
J5000	Top	F16
J5001	Top	E12
J5002	Top	E12
J6000	Top	G16
J6001	Top	G12
J6002	Top	G12
J7000	Top	H16
J7001	Top	H12
J7002	Top	H12
J7004	Top	J14
J7005	Top	J9
J8000	Top	I16

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
J8001	Top	I12
J8002	Top	I12
LED1200	Top	B5
LED2200	Top	C5
LED3200	Top	D5
LED4200	Top	E5
LED5200	Top	F5
LED6200	Top	G5
LED7200	Top	H5
LED8200	Top	I5
MTG1	Top	A13
MTG2	Top	A6
MTG3	Top	C6
MTG4	Top	E6
MTG5	Top	G6
MTG6	Top	J6
MTG7	Top	B1
MTG8	Top	D1
MTG9	Top	G1
MTG10	Top	I1
MTG11	Top	J13
MTG41	Top	G16
MTG42	Top	J16
MTG43	Top	A16
MTG44	Top	C16
MTG45	Top	E16
PFD_L	Top	B15
PFD_L1	Top	C15
PFD_L2	Top	D15
PFD_L3	Top	E15
PFD_L4	Top	F15
PFD_L5	Top	G15
PFD_L6	Top	H15
PFD_L7	Top	I15
PFD_R	Top	B15
PFD_R1	Top	C15
PFD_R2	Top	D15
PFD_R3	Top	E15
PFD_R4	Top	F15
PFD_R5	Top	G15
PFD_R6	Top	H15
PFD_R7	Top	I15
POT1003	Top	A8
POT1004	Top	A15
POT1005	Top	A13
POT1006	Top	A13
POT1007	Top	A12
POT1008	Top	B11
POT1009	Top	A14
POT1010	Top	A16
POT1011	Top	B11
POT2003	Top	B8
POT2004	Top	C15
POT2005	Top	C13
POT2006	Top	C13

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
POT2007	Top	C12
POT2008	Top	C11
POT2009	Top	C14
POT2010	Top	C16
POT2011	Top	C11
POT3003	Top	D8
POT3004	Top	D15
POT3005	Top	D13
POT3006	Top	D13
POT3007	Top	D12
POT3008	Top	D11
POT3009	Top	D14
POT3010	Top	D16
POT3011	Top	D11
POT4003	Top	E8
POT4004	Top	E15
POT4005	Top	E13
POT4006	Top	E13
POT4007	Top	E12
POT4008	Top	E11
POT4009	Top	E14
POT4010	Top	E16
POT4011	Top	E11
POT5003	Top	F8
POT5004	Top	F15
POT5005	Top	F13
POT5006	Top	F13
POT5007	Top	F12
POT5008	Top	F11
POT5009	Top	F14
POT5010	Top	F16
POT5011	Top	F11
POT6003	Top	G8
POT6004	Top	G15
POT6005	Top	G13
POT6006	Top	G13
POT6007	Top	G12
POT6008	Top	G11
POT6009	Top	G14
POT6010	Top	G16
POT6011	Top	G11
POT7003	Top	H8
POT7004	Top	H15
POT7005	Top	H13
POT7006	Top	H13
POT7007	Top	H12
POT7008	Top	H11
POT7009	Top	H14
POT7010	Top	H16
POT7011	Top	H11
POT8003	Top	I8
POT8004	Top	I15
POT8005	Top	I13
POT8006	Top	I13
POT8007	Top	I12

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
POT8008	Top	I11
POT8009	Top	I14
POT8010	Top	I16
POT8011	Top	I11
PO_F	Top	A8
PO_F1	Top	B8
PO_F2	Top	C8
PO_F3	Top	D8
PO_F4	Top	E8
PO_F5	Top	F8
PO_F6	Top	H8
PO_F7	Top	I8
P_EQ	Top	A14
P_EQ1	Top	B14
P_EQ2	Top	C14
P_EQ3	Top	D14
P_EQ4	Top	E14
P_EQ5	Top	F14
P_EQ6	Top	H14
P_EQ7	Top	I14
P_FD	Top	A15
P_FD1	Top	B15
P_FD2	Top	C15
P_FD3	Top	D15
P_FD4	Top	F15
P_FD5	Top	G15
P_FD6	Top	H15
P_FD7	Top	I15
Q1004	Bottom	B14
Q1005	Bottom	B13
Q1006	Bottom	B14
Q1007	Bottom	B7
Q1200	Bottom	A5
Q1201	Bottom	A5
Q1202	Bottom	B3
Q2004	Bottom	C14
Q2005	Bottom	C13
Q2006	Bottom	C14
Q2007	Bottom	C7
Q2200	Bottom	B5
Q2201	Bottom	B5
Q2202	Bottom	C3
Q3004	Bottom	D14
Q3005	Bottom	D13
Q3006	Bottom	D14
Q3007	Bottom	D7
Q3200	Bottom	D5
Q3201	Bottom	D5
Q3202	Bottom	D3
Q4004	Bottom	E14
Q4005	Bottom	E13
Q4006	Bottom	E14
Q4007	Bottom	E7
Q4200	Bottom	E5
Q4201	Bottom	E5

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
Q4202	Bottom	E3
Q5004	Bottom	F14
Q5005	Bottom	F13
Q5006	Bottom	F14
Q5007	Bottom	F7
Q5200	Bottom	F5
Q5201	Bottom	F5
Q5202	Bottom	F3
Q6004	Bottom	G14
Q6005	Bottom	G13
Q6006	Bottom	G14
Q6007	Bottom	G7
Q6200	Bottom	G5
Q6201	Bottom	G5
Q6202	Bottom	G3
Q7004	Bottom	H14
Q7005	Bottom	H13
Q7006	Bottom	H14
Q7007	Bottom	H7
Q7200	Bottom	H5
Q7201	Bottom	H5
Q7202	Bottom	H3
Q8004	Bottom	I14
Q8005	Bottom	I13
Q8006	Bottom	I14
Q8007	Bottom	I7
Q8200	Bottom	I5
Q8201	Bottom	I5
Q8202	Bottom	I3
R1107	Bottom	A14
R1108	Bottom	B15
R1111	Bottom	A16
R1112	Bottom	A16
R1113	Bottom	B15
R1114	Bottom	B15
R1115	Bottom	B15
R1116	Bottom	B14
R1117	Bottom	A14
R1118	Bottom	A14
R1119	Bottom	A14
R1120	Bottom	A15
R1121	Bottom	B16
R1123	Bottom	B16
R1124	Bottom	B16
R1125	Bottom	B13
R1126	Bottom	A13
R1127	Bottom	B13
R1129	Bottom	B14
R1130	Bottom	B14
R1131	Bottom	B14
R1132	Bottom	A8
R1133	Bottom	A8
R1134	Bottom	A8
R1135	Bottom	B8
R1136	Bottom	B8

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R1137	Bottom	A8
R1138	Bottom	B7
R1139	Bottom	A7
R1140	Bottom	A8
R1141	Bottom	B8
R1142	Bottom	B8
R1143	Bottom	A7
R1144	Bottom	A8
R1145	Bottom	A12
R1146	Bottom	A13
R1147	Bottom	A14
R1148	Bottom	A14
R1149	Bottom	A15
R1150	Bottom	A16
R1151	Bottom	A8
R1152	Bottom	B8
R1153	Bottom	B8
R1154	Bottom	A13
R1155	Bottom	A12
R1156	Bottom	B11
R1157	Bottom	B10
R1158	Bottom	A13
R1159	Bottom	A14
R1160	Bottom	A15
R1161	Bottom	A16
R1162	Bottom	A10
R1163	Bottom	B10
R1164	Bottom	A10
R1165	Bottom	B10
R1166	Bottom	A9
R1167	Bottom	B9
R1168	Bottom	A9
R1169	Bottom	B9
R1170	Bottom	A7
R1171	Bottom	A7
R1172	Bottom	B7
R1173	Bottom	A12
R1174	Bottom	A12
R1175	Top	A10
R1176	Top	A7
R1177	Top	A11
R1182	Bottom	A12
R1200	Bottom	A5
R1201	Bottom	A6
R1203	Bottom	A5
R1204	Bottom	A5
R1205	Bottom	A6
R1206	Bottom	A6
R1207	Bottom	A4
R1208	Bottom	B4
R1209	Bottom	A3
R1210	Bottom	A3
R1211	Bottom	B3
R1212	Bottom	B2
R1213	Bottom	B2

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R1214	Bottom	B1
R1215	Bottom	B3
R1216	Bottom	B3
R1217	Bottom	B4
R1218	Bottom	B5
R1219	Bottom	B5
R1220	Bottom	B6
R1221	Bottom	B4
R1222	Bottom	B4
R1223	Bottom	B4
R1224	Bottom	B4
R1225	Bottom	A5
R1226	Bottom	A4
R1227	Bottom	A5
R1228	Bottom	A2
R1229	Bottom	A2
R1230	Bottom	A2
R1231	Bottom	A1
R1232	Bottom	A2
R1233	Bottom	A1
R2107	Bottom	B14
R2108	Bottom	C15
R2111	Bottom	B16
R2112	Bottom	C16
R2113	Bottom	C15
R2114	Bottom	C15
R2115	Bottom	C15
R2116	Bottom	C14
R2117	Bottom	B14
R2118	Bottom	C14
R2119	Bottom	C14
R2120	Bottom	B15
R2121	Bottom	C16
R2123	Bottom	C16
R2124	Bottom	C16
R2125	Bottom	C13
R2126	Bottom	B13
R2127	Bottom	C13
R2129	Bottom	C14
R2130	Bottom	C14
R2131	Bottom	C14
R2132	Bottom	B8
R2133	Bottom	B8
R2134	Bottom	B8
R2135	Bottom	C8
R2136	Bottom	C8
R2137	Bottom	B8
R2138	Bottom	C7
R2139	Bottom	B7
R2140	Bottom	B8
R2141	Bottom	C8
R2142	Bottom	C8
R2143	Bottom	B7
R2144	Bottom	B8
R2145	Bottom	B12

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R2146	Bottom	B13
R2147	Bottom	B14
R2148	Bottom	B14
R2149	Bottom	B15
R2150	Bottom	B16
R2151	Bottom	B8
R2152	Bottom	C8
R2153	Bottom	C8
R2154	Bottom	B13
R2155	Bottom	B12
R2156	Bottom	C11
R2157	Bottom	C10
R2158	Bottom	B13
R2159	Bottom	B14
R2160	Bottom	B15
R2161	Bottom	B16
R2162	Bottom	B10
R2163	Bottom	C10
R2164	Bottom	B10
R2165	Bottom	C10
R2166	Bottom	B9
R2167	Bottom	C9
R2168	Bottom	B9
R2169	Bottom	C9
R2170	Bottom	B7
R2171	Bottom	B7
R2172	Bottom	C7
R2173	Bottom	B12
R2174	Bottom	B12
R2175	Top	B10
R2176	Top	B7
R2177	Top	B11
R2200	Bottom	B5
R2201	Bottom	B6
R2203	Bottom	B5
R2204	Bottom	B5
R2205	Bottom	B6
R2206	Bottom	B6
R2207	Bottom	B4
R2208	Bottom	C4
R2209	Bottom	B3
R2210	Bottom	B3
R2211	Bottom	C3
R2212	Bottom	C2
R2213	Bottom	C2
R2214	Bottom	C1
R2215	Bottom	C3
R2216	Bottom	C3
R2217	Bottom	C4
R2218	Bottom	C5
R2219	Bottom	C5
R2220	Bottom	C6
R2221	Bottom	C4
R2222	Bottom	C4
R2223	Bottom	C4

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R2224	Bottom	C4
R2225	Bottom	B5
R2226	Bottom	B4
R2227	Bottom	B5
R2228	Bottom	B2
R2229	Bottom	B2
R2230	Bottom	B2
R2231	Bottom	B1
R2232	Bottom	B2
R2233	Bottom	B1
R3107	Bottom	C14
R3108	Bottom	D15
R3111	Bottom	C16
R3112	Bottom	D16
R3113	Bottom	D15
R3114	Bottom	D15
R3115	Bottom	D15
R3116	Bottom	D14
R3117	Bottom	D14
R3118	Bottom	D14
R3119	Bottom	D14
R3120	Bottom	D15
R3121	Bottom	D16
R3123	Bottom	D16
R3124	Bottom	D16
R3125	Bottom	D13
R3126	Bottom	D13
R3127	Bottom	D13
R3129	Bottom	D14
R3130	Bottom	D14
R3131	Bottom	D14
R3132	Bottom	C8
R3133	Bottom	C8
R3134	Bottom	C8
R3135	Bottom	D8
R3136	Bottom	D8
R3137	Bottom	C8
R3138	Bottom	D7
R3139	Bottom	D7
R3140	Bottom	C8
R3141	Bottom	D8
R3142	Bottom	D8
R3143	Bottom	D7
R3144	Bottom	D8
R3145	Bottom	D12
R3146	Bottom	C13
R3147	Bottom	C14
R3148	Bottom	C14
R3149	Bottom	C15
R3150	Bottom	C16
R3151	Bottom	C8
R3152	Bottom	D8
R3153	Bottom	D8
R3154	Bottom	C13
R3155	Bottom	D12

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R3156	Bottom	D11
R3157	Bottom	D10
R3158	Bottom	C13
R3159	Bottom	C14
R3160	Bottom	C15
R3161	Bottom	C16
R3162	Bottom	C10
R3163	Bottom	D10
R3164	Bottom	C10
R3165	Bottom	D10
R3166	Bottom	C9
R3167	Bottom	D9
R3168	Bottom	C9
R3169	Bottom	D9
R3170	Bottom	C7
R3171	Bottom	D7
R3172	Bottom	D7
R3173	Bottom	C12
R3174	Bottom	C12
R3175	Top	C10
R3176	Top	C7
R3177	Top	C11
R3200	Bottom	D5
R3201	Bottom	C6
R3203	Bottom	C5
R3204	Bottom	D5
R3205	Bottom	D6
R3206	Bottom	D6
R3207	Bottom	C4
R3208	Bottom	D4
R3209	Bottom	C3
R3210	Bottom	C3
R3211	Bottom	D3
R3212	Bottom	D2
R3213	Bottom	D2
R3214	Bottom	D1
R3215	Bottom	D3
R3216	Bottom	D3
R3217	Bottom	D4
R3218	Bottom	D5
R3219	Bottom	D5
R3220	Bottom	D6
R3221	Bottom	D4
R3222	Bottom	D4
R3223	Bottom	D4
R3224	Bottom	D4
R3225	Bottom	C5
R3226	Bottom	C4
R3227	Bottom	C5
R3228	Bottom	C2
R3229	Bottom	C2
R3230	Bottom	C2
R3231	Bottom	D1
R3232	Bottom	D2
R3233	Bottom	D1

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R4107	Bottom	D14
R4108	Bottom	E15
R4111	Bottom	E16
R4112	Bottom	E16
R4113	Bottom	E15
R4114	Bottom	E15
R4115	Bottom	E15
R4116	Bottom	E14
R4117	Bottom	E14
R4118	Bottom	E14
R4119	Bottom	E14
R4120	Bottom	E15
R4121	Bottom	E16
R4123	Bottom	E16
R4124	Bottom	E16
R4125	Bottom	E13
R4126	Bottom	E13
R4127	Bottom	E13
R4129	Bottom	E14
R4130	Bottom	E14
R4131	Bottom	E14
R4132	Bottom	D8
R4133	Bottom	D8
R4134	Bottom	D8
R4135	Bottom	E8
R4136	Bottom	E8
R4137	Bottom	D8
R4138	Bottom	E7
R4139	Bottom	E7
R4140	Bottom	D8
R4141	Bottom	E8
R4142	Bottom	E8
R4143	Bottom	E7
R4144	Bottom	E8
R4145	Bottom	E12
R4146	Bottom	E13
R4147	Bottom	E14
R4148	Bottom	E14
R4149	Bottom	E15
R4150	Bottom	E16
R4151	Bottom	D8
R4152	Bottom	E8
R4153	Bottom	E8
R4154	Bottom	E13
R4155	Bottom	E12
R4156	Bottom	E11
R4157	Bottom	E10
R4158	Bottom	E13
R4159	Bottom	E14
R4160	Bottom	E15
R4161	Bottom	E16
R4162	Bottom	D10
R4163	Bottom	E10
R4164	Bottom	D10
R4165	Bottom	E10

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R4166	Bottom	D9
R4167	Bottom	E9
R4168	Bottom	D9
R4169	Bottom	E9
R4170	Bottom	D7
R4171	Bottom	E7
R4172	Bottom	E7
R4173	Bottom	D12
R4174	Bottom	D12
R4175	Top	D10
R4176	Top	D7
R4177	Top	D11
R4200	Bottom	E5
R4201	Bottom	D6
R4203	Bottom	D5
R4204	Bottom	E5
R4205	Bottom	E6
R4206	Bottom	E6
R4207	Bottom	D4
R4208	Bottom	E4
R4209	Bottom	D3
R4210	Bottom	D3
R4211	Bottom	E3
R4212	Bottom	E2
R4213	Bottom	E2
R4214	Bottom	E1
R4215	Bottom	E3
R4216	Bottom	E3
R4217	Bottom	E4
R4218	Bottom	E5
R4219	Bottom	E5
R4220	Bottom	E6
R4221	Bottom	E4
R4222	Bottom	E4
R4223	Bottom	E4
R4224	Bottom	E4
R4225	Bottom	D5
R4226	Bottom	D4
R4227	Bottom	D5
R4228	Bottom	D2
R4229	Bottom	D2
R4230	Bottom	D2
R4231	Bottom	E1
R4232	Bottom	E2
R4233	Bottom	E1
R5107	Bottom	E14
R5108	Bottom	F15
R5111	Bottom	F16
R5112	Bottom	F16
R5113	Bottom	F15
R5114	Bottom	F15
R5115	Bottom	F15
R5116	Bottom	F14
R5117	Bottom	F14
R5118	Bottom	F14

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R5119	Bottom	F14
R5120	Bottom	F15
R5121	Bottom	F16
R5123	Bottom	F16
R5124	Bottom	F16
R5125	Bottom	F13
R5126	Bottom	F13
R5127	Bottom	F13
R5129	Bottom	F14
R5130	Bottom	F14
R5131	Bottom	F14
R5132	Bottom	E8
R5133	Bottom	E8
R5134	Bottom	E8
R5135	Bottom	F8
R5136	Bottom	F8
R5137	Bottom	E8
R5138	Bottom	F7
R5139	Bottom	F7
R5140	Bottom	E8
R5141	Bottom	F8
R5142	Bottom	F8
R5143	Bottom	F7
R5144	Bottom	F8
R5145	Bottom	F12
R5146	Bottom	F13
R5147	Bottom	F14
R5148	Bottom	F14
R5149	Bottom	F15
R5150	Bottom	F16
R5151	Bottom	E8
R5152	Bottom	F8
R5153	Bottom	F8
R5154	Bottom	F13
R5155	Bottom	F12
R5156	Bottom	F11
R5157	Bottom	F10
R5158	Bottom	F13
R5159	Bottom	F14
R5160	Bottom	F15
R5161	Bottom	F16
R5162	Bottom	E10
R5163	Bottom	F10
R5164	Bottom	E10
R5165	Bottom	F10
R5166	Bottom	E9
R5167	Bottom	F9
R5168	Bottom	E9
R5169	Bottom	F9
R5170	Bottom	E7
R5171	Bottom	F7
R5172	Bottom	F7
R5173	Bottom	E12
R5174	Bottom	F12
R5175	Top	E10

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R5176	Top	E7
R5177	Top	E11
R5200	Bottom	F5
R5201	Bottom	F6
R5203	Bottom	F5
R5204	Bottom	F5
R5205	Bottom	F6
R5206	Bottom	F6
R5207	Bottom	F4
R5208	Bottom	F4
R5209	Bottom	F3
R5210	Bottom	F3
R5211	Bottom	F3
R5212	Bottom	F2
R5213	Bottom	F2
R5214	Bottom	F1
R5215	Bottom	F3
R5216	Bottom	F3
R5217	Bottom	F4
R5218	Bottom	F5
R5219	Bottom	F5
R5220	Bottom	F6
R5221	Bottom	F4
R5222	Bottom	F4
R5223	Bottom	F4
R5224	Bottom	F4
R5225	Bottom	F5
R5226	Bottom	F4
R5227	Bottom	F5
R5228	Bottom	E2
R5229	Bottom	E2
R5230	Bottom	E2
R5231	Bottom	F1
R5232	Bottom	F2
R5233	Bottom	F1
R6107	Bottom	G14
R6108	Bottom	G15
R6111	Bottom	G16
R6112	Bottom	G16
R6113	Bottom	G15
R6114	Bottom	G15
R6115	Bottom	G15
R6116	Bottom	G14
R6117	Bottom	G14
R6118	Bottom	G14
R6119	Bottom	G14
R6120	Bottom	G15
R6121	Bottom	G16
R6123	Bottom	G16
R6124	Bottom	G16
R6125	Bottom	G13
R6126	Bottom	G13
R6127	Bottom	G13
R6129	Bottom	G14
R6130	Bottom	G14

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R6131	Bottom	G14
R6132	Bottom	G8
R6133	Bottom	G8
R6134	Bottom	G8
R6135	Bottom	G8
R6136	Bottom	G8
R6137	Bottom	F8
R6138	Bottom	G7
R6139	Bottom	G7
R6140	Bottom	F8
R6141	Bottom	G8
R6142	Bottom	G8
R6143	Bottom	G7
R6144	Bottom	G8
R6145	Bottom	G12
R6146	Bottom	G13
R6147	Bottom	G14
R6148	Bottom	G14
R6149	Bottom	G15
R6150	Bottom	G16
R6151	Bottom	G8
R6152	Bottom	G8
R6153	Bottom	G8
R6154	Bottom	G13
R6155	Bottom	G12
R6156	Bottom	G11
R6157	Bottom	G10
R6158	Bottom	G13
R6159	Bottom	G14
R6160	Bottom	G15
R6161	Bottom	G16
R6162	Bottom	G10
R6163	Bottom	G10
R6164	Bottom	G10
R6165	Bottom	G10
R6166	Bottom	G9
R6167	Bottom	G9
R6168	Bottom	G9
R6169	Bottom	G9
R6170	Bottom	G7
R6171	Bottom	G7
R6172	Bottom	G7
R6173	Bottom	F12
R6174	Bottom	G12
R6175	Top	G10
R6176	Top	F7
R6177	Top	F11
R6200	Bottom	G5
R6201	Bottom	G6
R6203	Bottom	G5
R6204	Bottom	G5
R6205	Bottom	G6
R6206	Bottom	G6
R6207	Bottom	G4
R6208	Bottom	G4

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R6209	Bottom	G3
R6210	Bottom	G3
R6211	Bottom	G3
R6212	Bottom	G2
R6213	Bottom	G2
R6214	Bottom	G1
R6215	Bottom	G3
R6216	Bottom	G3
R6217	Bottom	G4
R6218	Bottom	G5
R6219	Bottom	G5
R6220	Bottom	G6
R6221	Bottom	G4
R6222	Bottom	G4
R6223	Bottom	G4
R6224	Bottom	G4
R6225	Bottom	G5
R6226	Bottom	G4
R6227	Bottom	G5
R6228	Bottom	F2
R6229	Bottom	F2
R6230	Bottom	F2
R6231	Bottom	G1
R6232	Bottom	G2
R6233	Bottom	G1
R7107	Bottom	H14
R7108	Bottom	H15
R7111	Bottom	H16
R7112	Bottom	H16
R7113	Bottom	H15
R7114	Bottom	H15
R7115	Bottom	H15
R7116	Bottom	H14
R7117	Bottom	H14
R7118	Bottom	H14
R7119	Bottom	H14
R7120	Bottom	H15
R7121	Bottom	H16
R7123	Bottom	H16
R7124	Bottom	H16
R7125	Bottom	H13
R7126	Bottom	H13
R7127	Bottom	H13
R7129	Bottom	H14
R7130	Bottom	H14
R7131	Bottom	H14
R7132	Bottom	H8
R7133	Bottom	H8
R7134	Bottom	H8
R7135	Bottom	H8
R7136	Bottom	H8
R7137	Bottom	H8
R7138	Bottom	H7
R7139	Bottom	H7
R7140	Bottom	H8

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R7141	Bottom	H8
R7142	Bottom	H8
R7143	Bottom	H7
R7144	Bottom	H8
R7145	Bottom	H12
R7146	Bottom	H13
R7147	Bottom	H14
R7148	Bottom	H14
R7149	Bottom	H15
R7150	Bottom	H16
R7151	Bottom	H8
R7152	Bottom	H8
R7153	Bottom	H8
R7154	Bottom	H13
R7155	Bottom	H12
R7156	Bottom	H11
R7157	Bottom	H10
R7158	Bottom	H13
R7159	Bottom	H14
R7160	Bottom	H15
R7161	Bottom	H16
R7162	Bottom	H10
R7163	Bottom	H10
R7164	Bottom	H10
R7165	Bottom	H10
R7166	Bottom	H9
R7167	Bottom	H9
R7168	Bottom	H9
R7169	Bottom	H9
R7170	Bottom	H7
R7171	Bottom	H7
R7172	Bottom	H7
R7173	Bottom	H12
R7174	Bottom	H12
R7175	Top	H10
R7176	Top	H7
R7177	Top	G11
R7200	Bottom	H5
R7201	Bottom	H6
R7203	Bottom	H5
R7204	Bottom	H5
R7205	Bottom	H6
R7206	Bottom	H6
R7207	Bottom	H4
R7208	Bottom	H4
R7209	Bottom	H3
R7210	Bottom	H3
R7211	Bottom	H3
R7212	Bottom	H2
R7213	Bottom	H2
R7214	Bottom	H1
R7215	Bottom	H3
R7216	Bottom	H3
R7217	Bottom	H4
R7218	Bottom	H5

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R7219	Bottom	H5
R7220	Bottom	H6
R7221	Bottom	H4
R7222	Bottom	H4
R7223	Bottom	H4
R7224	Bottom	H4
R7225	Bottom	H5
R7226	Bottom	H4
R7227	Bottom	H5
R7228	Bottom	H2
R7229	Bottom	H2
R7230	Bottom	H2
R7231	Bottom	H1
R7232	Bottom	H2
R7233	Bottom	H1
R8107	Bottom	I14
R8108	Bottom	J15
R8111	Bottom	I16
R8112	Bottom	I16
R8113	Bottom	I15
R8114	Bottom	J15
R8115	Bottom	I15
R8116	Bottom	I14
R8117	Bottom	I14
R8118	Bottom	I14
R8119	Bottom	I14
R8120	Bottom	I15
R8121	Bottom	I16
R8123	Bottom	J16
R8124	Bottom	J16
R8125	Bottom	I13
R8126	Bottom	I13
R8127	Bottom	I13
R8129	Bottom	I14
R8130	Bottom	J14
R8131	Bottom	I14
R8132	Bottom	I8
R8133	Bottom	I8
R8134	Bottom	I8
R8135	Bottom	I8
R8136	Bottom	I8
R8137	Bottom	I8
R8138	Bottom	I7
R8139	Bottom	I7
R8140	Bottom	I8
R8141	Bottom	I8
R8142	Bottom	I8
R8143	Bottom	I7
R8144	Bottom	I8
R8145	Bottom	I12
R8146	Bottom	I13
R8147	Bottom	I14
R8148	Bottom	I14
R8149	Bottom	I15
R8150	Bottom	I16

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R8151	Bottom	I8
R8152	Bottom	I8
R8153	Bottom	I8
R8154	Bottom	I13
R8155	Bottom	I12
R8156	Bottom	I11
R8157	Bottom	I10
R8158	Bottom	I13
R8159	Bottom	I14
R8160	Bottom	I15
R8161	Bottom	I16
R8162	Bottom	I10
R8163	Bottom	I10
R8164	Bottom	I10
R8165	Bottom	I10
R8166	Bottom	I9
R8167	Bottom	I9
R8168	Bottom	I9
R8169	Bottom	I9
R8170	Bottom	I7
R8171	Bottom	I7
R8172	Bottom	I7
R8173	Bottom	I12
R8174	Bottom	I12
R8175	Top	I10
R8176	Top	I7
R8177	Top	I11
R8182	Bottom	J13
R8183	Bottom	J6
R8200	Bottom	I5
R8201	Bottom	I6
R8203	Bottom	I5
R8204	Bottom	I5
R8205	Bottom	I6
R8206	Bottom	I6
R8207	Bottom	I4
R8208	Bottom	I4
R8209	Bottom	I3
R8210	Bottom	I3
R8211	Bottom	I3
R8212	Bottom	I2
R8213	Bottom	I2
R8214	Bottom	I1
R8215	Bottom	I3
R8216	Bottom	I3
R8217	Bottom	I4
R8218	Bottom	I5
R8219	Bottom	I5
R8220	Bottom	I6
R8221	Bottom	I4
R8222	Bottom	I4
R8223	Bottom	I4
R8224	Bottom	I4
R8225	Bottom	I5
R8226	Bottom	I4

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R8227	Bottom	I5
R8228	Bottom	I2
R8229	Bottom	I2
R8230	Bottom	I2
R8231	Bottom	I1
R8232	Bottom	I2
R8233	Bottom	I1
S1005	Top	A8
S1006	Top	B8
S1007	Top	A11
S1009	Top	A12
S1010	Top	A7
S1011	Top	B9
S1012	Top	A9
S1013	Top	B9
S1014	Top	A9
S1015	Top	B10
S1016	Top	A10
S1017	Top	B10
S1018	Top	A10
S1019	Top	A7
S1200	Top	A6
S1201	Top	B3
S1202	Top	B2
S1203	Top	B2
S1204	Top	B1
S2005	Top	B8
S2006	Top	C8
S2007	Top	B11
S2009	Top	B12
S2010	Top	C7
S2011	Top	C9
S2012	Top	B9
S2013	Top	C9
S2014	Top	B9
S2015	Top	C10
S2016	Top	B10
S2017	Top	C10
S2018	Top	B10
S2019	Top	B7
S2200	Top	C6
S2201	Top	C3
S2202	Top	C2
S2203	Top	C2
S2204	Top	C1
S3005	Top	C8
S3006	Top	D8
S3007	Top	C11
S3009	Top	C12
S3010	Top	D7
S3011	Top	D9
S3012	Top	C9
S3013	Top	D9
S3014	Top	C9
S3015	Top	D10

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
S3016	Top	C10
S3017	Top	D10
S3018	Top	C10
S3019	Top	C7
S3200	Top	D6
S3201	Top	D3
S3202	Top	D2
S3203	Top	D2
S3204	Top	D1
S4005	Top	D8
S4006	Top	E8
S4007	Top	D11
S4009	Top	D12
S4010	Top	E7
S4011	Top	E9
S4012	Top	D9
S4013	Top	E9
S4014	Top	D9
S4015	Top	E10
S4016	Top	D10
S4017	Top	E10
S4018	Top	D10
S4019	Top	D7
S4200	Top	E6
S4201	Top	E3
S4202	Top	E2
S4203	Top	E2
S4204	Top	E1
S5005	Top	E8
S5006	Top	F8
S5007	Top	E11
S5009	Top	E12
S5010	Top	F7
S5011	Top	F9
S5012	Top	E9
S5013	Top	F9
S5014	Top	E9
S5015	Top	F10
S5016	Top	E10
S5017	Top	F10
S5018	Top	E10
S5019	Top	E7
S5200	Top	F6
S5201	Top	F3
S5202	Top	F2
S5203	Top	F2
S5204	Top	F1
S6005	Top	G8
S6006	Top	G8
S6007	Top	G11
S6009	Top	G12
S6010	Top	G7
S6011	Top	G9
S6012	Top	G9
S6013	Top	G9

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
S6014	Top	G9
S6015	Top	G10
S6016	Top	G10
S6017	Top	G10
S6018	Top	G10
S6019	Top	G7
S6200	Top	G6
S6201	Top	G3
S6202	Top	G2
S6203	Top	G2
S6204	Top	G1
S7005	Top	H8
S7006	Top	H8
S7007	Top	H11
S7009	Top	H12
S7010	Top	H7
S7011	Top	H9
S7012	Top	H9
S7013	Top	H9
S7014	Top	H9
S7015	Top	H10
S7016	Top	H10
S7017	Top	H10
S7018	Top	H10
S7019	Top	H7
S7200	Top	H6
S7201	Top	H3
S7202	Top	H2
S7203	Top	H2
S7204	Top	H1
S8005	Top	I8
S8006	Top	I8
S8007	Top	I11
S8009	Top	I12
S8010	Top	I7
S8011	Top	I9
S8012	Top	I9
S8013	Top	I9
S8014	Top	I9
S8015	Top	I10
S8016	Top	I10
S8017	Top	I10
S8018	Top	I10
S8019	Top	I7
S8200	Top	I6
S8201	Top	I3
S8202	Top	I2
S8203	Top	I2
S8204	Top	I1
T1	Top	A11
T2	Top	J15
T3	Top	J1
T4	Top	J11
T5	Top	A16
U1006	Bottom	B16

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
U1007	Bottom	B13
U1008	Bottom	A8
U1009	Bottom	B15
U1200	Bottom	A3
U1201	Bottom	A4
U1202	Bottom	A2
U2006	Bottom	C16
U2007	Bottom	C13
U2008	Bottom	B8
U2009	Bottom	C15
U2200	Bottom	B3
U2201	Bottom	B4
U2202	Bottom	B2
U3006	Bottom	D16
U3007	Bottom	D13
U3008	Bottom	D8
U3009	Bottom	D15
U3200	Bottom	D3
U3201	Bottom	D4
U3202	Bottom	C2
U4006	Bottom	E16
U4007	Bottom	E13
U4008	Bottom	E8
U4009	Bottom	E15
U4200	Bottom	E3
U4201	Bottom	E4
U4202	Bottom	E2
U5006	Bottom	F16
U5007	Bottom	F13
U5008	Bottom	F8
U5009	Bottom	F15
U5200	Bottom	F3
U5201	Bottom	F4
U5202	Bottom	F2
U6006	Bottom	G16
U6007	Bottom	G13
U6008	Bottom	G8
U6009	Bottom	G15
U6200	Bottom	G3
U6201	Bottom	G4
U6202	Bottom	G2
U7006	Bottom	H16
U7007	Bottom	H13
U7008	Bottom	H8
U7009	Bottom	H15
U7200	Bottom	H3
U7201	Bottom	H4
U7202	Bottom	H2
U8006	Bottom	I16
U8007	Bottom	I13
U8008	Bottom	I8
U8009	Bottom	I15
U8200	Bottom	I3
U8201	Bottom	I4
U8202	Bottom	I2

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
Z1200	Bottom	A3
Z2200	Bottom	B3
Z3200	Bottom	C3
Z4200	Bottom	D3
Z5200	Bottom	F3
Z6200	Bottom	G3
Z7200	Bottom	H3
Z8200	Bottom	I3



KLARK TEKNIK GROUP



Parent Part Identifier Range: V0006-01-1 - V0006-01-1, Effective: 07/01/200.

Part Identifier	Description	Quantity	Reference Text
Verona Multifunctional Input Lower Fader pcb Assembly			
ACBLX-1832-2	26W LUMBERG RIB CBLE 60MM	2	J1004,J1005
ACBLX-1834-2	10W LUMBERG RIB CBLE 60MM	1	CON1201
CAP05-K622050	220NF SMD CERAM CAP 1206	8	C1205,C2205,C3205,C4205,C5205,C6205, C7205,C8205
CAP06-GK510050	100N 0805 SMD CERMIC 10%	120	C1028,C1068,C1083,C1087,C1088,C1089, C1094,C1095,C1096,C1200,C1201,C1203, C1204,C1212,C1213, C2028,C2068,C2083,C2087,C2088,C2089, C2094,C2095,C2096,C2200,C2201,C2203, C2204,C2212,C2213, C3028,C3068,C3083,C3087,C3088,C3089, C3094,C3095,C3096,C3200,C3201,C3203, C3204,C3212,C3213, C4028,C4068,C4083,C4087,C4088,C4089, C4094,C4095,C4096,C4200,C4201,C4203, C4204,C4212,C4213, C5028,C5068,C5083,C5087,C5088,C5089, C5094,C5095,C5096,C5200,C5201,C5203, C5204,C5212,C5213, C6028,C6068,C6083,C6087,C6088,C6089, C6094,C6095,C6096,C6200,C6201,C6203, C6204,C6212,C6213, C7028,C7068,C7083,C7087,C7088,C7089, C7094,C7095,C7096,C7200,C7201,C7203, C7204,C7212,C7213, C8028,C8068,C8083,C8087,C8088,C8089, C8094,C8095,C8096,C8200,C8201,C8203, C8204,C8212,C8213
CAP06-SJ122050	22PF SMD 0805 CERAMIC 5%	88	C1062,C1064,C1065,C1072,C1073,C1074, C1078,C1079,C1080,C1209,C1210, C2062,C2064,C2065,C2072,C2073,C2074, C2078,C2079,C2080,C2209,C2210, C3062,C3064,C3065,C3072,C3073,C3074, C3078,C3079,C3080,C3209,C3210, C4062,C4064,C4065,C4072,C4073,C4074,

Part Identifier	Description	Quantity	Reference Text
CAP06-SJ122050	22PF SMD 0805 CERAMIC 5%	88	C4078,C4079,C4080,C4209,C4210, C5062,C5064,C5065,C5072,C5073,C5074, C5078,C5079,C5080,C5209,C5210, C6062,C6064,C6065,C6072,C6073,C6074, C6078,C6079,C6080,C6209,C6210, C7062,C7064,C7065,C7072,C7073,C7074, C7078,C7079,C7080,C7209,C7210, C8062,C8064,C8065,C8072,C8073,C8074, C8078,C8079,C8080,C8209,C8210
CAP61-210025B	10UF 25V LP RADCAP 1.5MM	16	C1208,C1211,C2208,C2211,C3208,C3211, C4208,C4211,C5208,C5211,C6208,C6211, C7208,C7211,C8208,C8211
CAP63-247063A	47UF 63V RAD.ELEC.2.5MM	8	C1097,C2097,C3097,C4097,C5097, C6097,C7097,C8097
CAP63-310025B	100UF 25V LP RAD 2.5MM	96	C1061,C1063,C1067,C1069,C1070,C1071, C1076,C1077,C1081,C1082,C1202,C1207, C2061,C2063,C2067,C2069,C2070,C2071, C2076,C2077,C2081,C2082,C2202,C2207 C3061,C3063,C3067,C3069,C3070,C3071, C3076,C3077,C3081,C3082,C3202,C3207, C4061,C4063,C4067,C4069,C4070,C4071, C4076,C4077,C4081,C4082,C4202,C4207, C5061,C5063,C5067,C5069,C5070,C5071, C5076,C5077,C5081,C5082,C5202,C5207, C6061,C6063,C6067,C6069,C6070,C6071, C6076,C6077,C6081,C6082,C6202,C6207 C7061,C7063,C7067,C7069,C7070,C7071, C7076,C7077,C7081,C7082,C7202,C7207 C8061,C8063,C8067,C8069,C8070,C8071, C8076,C8077,C8081,C8082,C8202,C8207
CON01-02SMV	2WAY MALE VERT STRIP HDR	16	J1001,J1002,J2001,J2002,J3001,J3002, J4001,J4002,J5001,J5002,J6001,J6002, J7001,J7002,J8001,J8002
CON12-10MV2	10X0.050"LUMBERG HEADER	1	CON1202
CON12-16MV2	16X0.050"LUMBERG HEADER	8	
CON12-26MV	26X0.050"LUMBERG HEADER	2	J7004,J7005
CON59-LINKTHRO	PROG LINK	8	J1002,J2002,J3002,J4002 J5002,J6002,J7002,J8002
PCX-V0006-1	STEREO INPUT FADER PCB	1	
POT12-614B02DV1	10KB X 2 6MM D DUAL VERT	8	POT1003,POT2003,POT3003,POT4003, POT5003,POT6003,POT7003,POT8003

Part Identifier	Description	Quantity	Reference Text
POT12-654B02V1	50K X 2 6MM DUAL VERTICAL	48	POT1004,POT1005,POT1006,POT1007,POT1009,POT1010, POT2004,POT2005,POT2006,POT2007,POT2009,POT2010, POT3004,POT3005,POT3006,POT3007,POT3009,POT3010, POT4004,POT4005,POT4006,POT4007,POT4009,POT4010, POT5004,POT5005,POT5006,POT5007,POT5009,POT5010, POT6004,POT6005,POT6006,POT6007,POT6009,POT6010, POT7004,POT7005,POT7006,POT7007,POT7009,POT7010, POT8004,POT8005,POT8006,POT8007,POT8009,POT8010
POT25-1014SA01	PANASONIC 10K ST FADER	8	FAD1200,FAD2200,FAD3200,FAD4200, FAD5200,FAD6200,FAD7200,FAD8200
POT91-6543BV1	50K 6MM D VERT	16	POT1008,POT1011,POT2008,POT2011, POT3008,POT3011,POT4008,POT4011, POT5008,POT5011,POT6008,POT6011, POT7008,POT7011,POT8008,POT8011
RES04-0E2R20	2R2 RES.M.FILM 1% 0.4W	16	R1175,R1176,R2175,R2176,R3175,R3176, R4175,R4176,R5175,R5176,R6175,R6176, R7175,R7176,R8175,R8176
RES04-2E4R70	470R RES.M.FILM 1% 0.4W	8	R1177,R2177,R3177,R4177,R5177,R6177,R7177,R8177
RES54-0E0R00	0R 0805 SMD 1%	11	R1174,R1182,R2174,R3174,R4174,R5174, R6174,R7174,R8174,R8182,R8183
RES54-1E1R00	10R 0805 SMD 1%	8	R1220,R2220,R3220,R4220,R5220,R6220,R7220,R8220
RES54-1E4R70	47R 0805 SMD 1%	16	R1133,R1134,R2133,R2134,R3133,R3134, R4133,R4134,R5133,R5134,R6133,R6134, R7133,R7134,R8133,R8134
RES54-2E1R00	100R 0805 SMD 1%	8	R1173,R2173,R3173,R4173, R5173,R6173,R7173,R8173
RES54-2E1R80	180R 0805 SMD 1%	8	R1226,R2226,R3226,R4226,R5226,R6226,R7226,R8226
RES54-2E8R20	820R 0805 SMD 1%	8	R1224,R2224,R3224,R4224,R5224,R6224,R7224,R8224
RES54-2E9R10	910R 0805 SMD 1%	24	R1140,R1141,R1142,R2140,R2141,R2142, R3140,R3141,R3142,R4140,R4141,R4142, R5140,R5141,R5142,R6140,R6141,R6142, R7140,R7141,R7142,R8140,R8141,R8142
RES54-3E1R00	1K 0805 SMD 1%	24	R1119,R1127,R1129,R2119,R2127,R2129, R3119,R3127,R3129,R4119,R4127,R4129, R5119,R5127,R5129,R6119,R6127,R6129, R7119,R7127,R7129,R8119,R8127,R8129
RES54-3E2R20	2K2 0805 SMD 1%	32	R1135,R1136,R1137,R1219,R2135,R2136,R2137,R2219, R3135,R3136,R3137,R3219,R4135,R4136,R4137,R4219, R5135,R5136,R5137,R5219,R6135,R6136,R6137,R6219, R7135,R7136,R7137,R7219,R8135,R8136,R8137,R8219
RES54-3E3R30	3K3 0805 SMD 1%	8	R1223,R2223,R3223,R4223,R5223,R6223,R7223,R8223

Part Identifier	Description	Quantity	Reference Text
RES54-3E3R60	3K6 0805 SMD 1%	24	R1124,R1143,R1144,R2124,R2143,R2144, R3124,R3143,R3144,R4124,R4143,R4144, R5124,R5143,R5144,R6124,R6143,R6144, R7124,R7143,R7144,R8124,R8143,R8144,
RES54-3E4R70	4K7 0805 SMD 1%	64	R1118,R1125,R1131,R1138,R1139,R1222,R1229,R1231, R2118,R2125,R2131,R2138,R2139,R2222,R2229,R2231, R3118,R3125,R3131,R3138,R3139,R3222,R3229,R3231, R4118,R4125,R4131,R4138,R4139,R4222,R4229,R4231, R5118,R5125,R5131,R5138,R5139,R5222,R5229,R5231, R6118,R6125,R6131,R6138,R6139,R6222,R6229,R6231, R7118,R7125,R7131,R7138,R7139,R7222,R7229,R7231, R8118,R8125,R8131,R8138,R8139,R8222,R8229,R8231
RES54-3E5R10	5K1 0805 SMD 1%	40	R1117,R1121,R1123,R1126,R1130, R2117,R2121,R2123,R2126,R2130, R3117,R3121,R3123,R3126,R3130, R4117,R4121,R4123,R4126,R4130, R5117,R5121,R5123,R5126,R5130, R6117,R6121,R6123,R6126,R6130, R7117,R7121,R7123,R7126,R7130, R8117,R8121,R8123,R8126,R8130
RES54-3E9R10	9K1 0805 SMD 1%	16	R1108,R1120,R2108,R2120,R3108,R3120, R4108,R4120,R5108,R5120,R6108,R6120, R7108,R7120,R8108,R8120
RES54-4E1R00	10K 0805 SMD 1%	32	R1228,R1230,R1232,R1233,R2228,R2230,R2232,R2233, R3228,R3230,R3232,R3233,R4228,R4230,R4232,R4233, R5228,R5230,R5232,R5233,R6228,R6230,R6232,R6233, R7228,R7230,R7232,R7233,R8228,R8230,R8232,R8233
RES54-4E1R20	12K 0805 SMD 1%	176	R1145,R1146,R1147,R1148,R1149,R1150, R1151,R1152,R1153,R1154,R1155,R1156, R1157,R1158,R1159,R1160,R1161,R1208, R1209,R1210,R1221,R1227, R2145,R2146,R2147,R2148,R2149,R2150, R2151,R2152,R2153,R2154,R2155,R2156, R2157,R2158,R2159,R2160,R2161,R2208, R2209,R2210,R2221,R2227, R3145,R3146,R3147,R3148,R3149,R3150, R3151,R3152,R3153,R3154,R3155,R3156, R3157,R3158,R3159,R3160,R3161,R3208, R3209,R3210,R3221,R3227, R4145,R4146,R4147,R4148,R4149,R4150, R4151,R4152,R4153,R4154,R4155,R4156,

Part Identifier	Description	Quantity	Reference Text
RES54-4E1R20	12K 0805 SMD 1%	176	R4157,R4158,R4159,R4160,R4161,R4208, R4209,R4210,R4221,R4227, R5145,R5146,R5147,R5148,R5149,R5150, R5151,R5152,R5153,R5154,R5155,R5156, R5157,R5158,R5159,R5160,R5161,R5208, R5209,R5210,R5221,R5227, R6145,R6146,R6147,R6148,R6149,R6150, R6151,R6152,R6153,R6154,R6155,R6156, R6157,R6158,R6159,R6160,R6161,R6208, R6209,R6210,R6221,R6227, R7145,R7146,R7147,R7148,R7149,R7150, R7151,R7152,R7153,R7154,R7155,R7156, R7157,R7158,R7159,R7160,R7161,R7208, R7209,R7210,R7221,R7227, R8145,R8146,R8147,R8148,R8149,R8150, R8151,R8152,R8153,R8154,R8155,R8156, R8157,R8158,R8159,R8160,R8161,R8208, R8209,R8210,R8221,R8227
RES54-4E2R20	22K 0805 SMD 1%	72	R1111,R1112,R1113,R1114,R1115, R1116,R1206,R1207,R1218, R2111,R2112,R2113,R2114,R2115, R2116,R2206,R2207,R2218, R3111,R3112,R3113,R3114,R3115, R3116,R3206,R3207,R3218, R4111,R4112,R4113,R4114,R4115, R4116,R4206,R4207,R4218, R5111,R5112,R5113,R5114,R5115, R5116,R5206,R5207,R5218, R6111,R6112,R6113,R6114,R6115, R6116,R6206,R6207,R6218, R7111,R7112,R7113,R7114,R7115, R7116,R7206,R7207,R7218, R8111,R8112,R8113,R8114,R8115, R8116,R8206,R8207,R8218
RES54-4E2R40	24K 0805 SMD 1%	64	R1162,R1163,R1164,R1165,R1166,R1167,R1168,R1169, R2162,R2163,R2164,R2165,R2166,R2167,R2168,R2169, R3162,R3163,R3164,R3165,R3166,R3167,R3168,R3169, R4162,R4163,R4164,R4165,R4166,R4167,R4168,R4169, R5162,R5163,R5164,R5165,R5166,R5167,R5168,R5169, R6162,R6163,R6164,R6165,R6166,R6167,R6168,R6169, R7162,R7163,R7164,R7165,R7166,R7167,R7168,R7169,

Part Identifier	Description	Quantity	Reference Text
RES54-4E2R40	24K 0805 SMD 1%	64	R8162,R8163,R8164,R8165,R8166,R8167,R8168,R8169
RES54-4E4R70	47K 0805 SMD 1%	24	R1107,R1132,R1204,R2107,R2132,R2204, R3107,R3132,R3204,R4107,R4132,R4204, R5107,R5132,R5204,R6107,R6132,R6204, R7107,R7132,R7204,R8107,R8132,R8204
RES54-5E1R00	100K 0805 SMD 1% RES	32	R1172,R1200,R1201,R1216, R2172,R2200,R2201,R2216, R3172,R3200,R3201,R3216, R4172,R4200,R4201,R4216, R5172,R5200,R5201,R5216, R6172,R6200,R6201,R6216, R7172,R7200,R7201,R7216, R8172,R8200,R8201,R8216
RES54-5E4R70	470K 0805 SMD 1% RES	8	R1225,R2225,R3225,R4225, R5225,R6225,R7225,R8225
RES54-6E1R00	1M 0805 SMD 1%	80	R1170,R1171,R1203,R1205,R1211, R1212,R1213,R1214,R1215,R1217, R2170,R2171,R2203,R2205,R2211, R2212,R2213,R2214,R2215,R2217, R3170,R3171,R3203,R3205,R1211, R3212,R3213,R3214,R3215,R3217, R4170,R4171,R4203,R4205,R4211, R4212,R4213,R4214,R4215,R4217, R5170,R5171,R5203,R5205,R5211, R5212,R5213,R5214,R5215,R5217, R6170,R6171,R6203,R6205,R6211, R6212,R6213,R6214,R6215,R6217, R7170,R7171,R7203,R7205,R7211, R7212,R7213,R7214,R7215,R7217, R8170,R8171,R8203,R8205,R8211, R8212,R8213,R8214,R8215,R8217
SEM01-MD2580	4 WAY LED ARRAY	8	LED1200,LED2200,LED3200,LED4200, LED5200,LED6200,LED7200,LED8200
SEM11-1N4002	1N4002 TAPED/REEL	16	D1000,D1001,D2000,D2001, D3000,D3001,D4000,D4001, D5000,D5001,D6000,D6001, D7000,D7001,D8000,D8001
SEM15-BAS16	SMD DIODE BAS16 SOT23	24	D1003,D1200,D1201,D2003,D2200,D2201,D3003,D3200,D3201, D4003,D4200,D4201,D5003,D5200,D5201,D6003, D6200,D6201,D7003, D7200,D7201,D8003,D8200,D8201

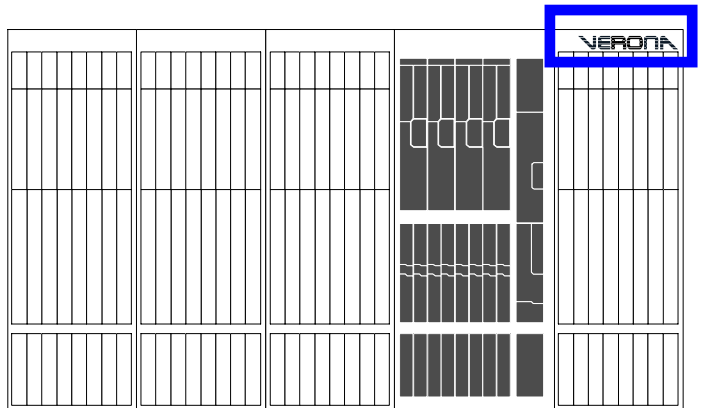
Part Identifier	Description	Quantity	Reference Text
SEM15-BAT54A	SCHOTTKY BARRIER DIODE	8	D1202,D2202,D3202,D4202, D5202,D6202,D7202,D8202
SEM16-ZX84C3V6	SMD 3V6 ZENER DIODE	8	Z1200,Z2200,Z3200,Z4200,Z5200,Z6200,Z7200,Z8200
SEM34-J112SMD	SMD J112 FET	24	Q1004,Q1005,Q1006,Q2004,Q2005,Q2006, Q3004,Q3005,Q3006,Q4004,Q4005,Q4006, Q5004,Q5005,Q5006,Q6004,Q6005,Q6006, Q7004,Q7005,Q7006,Q8004,Q8005,Q8006
SEM35-BC846B	BC846B SMD NPN TRANSISTR	24	Q1007,Q1201,Q1202,Q2007,Q2201,Q2202, Q3007,Q3201,Q3202,Q4007,Q4201,Q4202, Q5007,Q5201,Q5202,Q6007,Q6201,Q6202, Q7007,Q7201,Q7202,Q8007,Q8201,Q8202
SEM35-BC856B	BC856B SMD PNP TRANSISTR	8	Q1200,Q2200,Q3200,Q4200, Q5200,Q6200,Q7200,Q8200
SEM51-33178	SMD DUAL OP AMP (SO8)	32	U1006,U1007,U1009,U1202,U2006,U2007,U2009,U2202, U3006,U3007,U3009,U3202,U4006,U4007,U4009,U4202, U5006,U5007,U5009,U5202,U6006,U6007,U6009,U6202, U7006,U7007,U7009,U7202,U8006,U8007,U8009,U8202
SEM51-33179	SMD QUAD OP AMP (SO14)	8	U1008,U2008,U3008,U4008,U5008,U6008,U7008,U8008
SEM51-LM2901	SMD LM2901 COMPARATOR	8	U1201,U2201,U3201,U4201, U5201,U6201,U7201,U8201
SEM54-0HC4053	SMD IC 74HC4053D (SO16)	8	U1200,U2200,U3200,U4200, U5200,U6200,U7200,U8200
SWT01-JPS2LCV	2POLE LATCH VERT JPS2281	136	S1005,S1006,S1007,S1009,S1011,S1012, S1013,S1014,S1015,S1016,S1017,S1018, S1019,S1201,S1202,S1203,S1204, S2005,S2006,S2007,S2009,S2011,S2012, S2013,S2014,S2015,S2016,S2017,S2018, S2019,S2201,S2202,S2203,S2204, S3005,S3006,S3007,S3009,S3011,S3012, S3013,S3014,S3015,S3016,S3017,S3018, S3019,S3201,S3202,S3203,S3204, S4005,S4006,S4007,S4009,S4011,S4012, S4013,S4014,S4015,S4016,S4017,S4018, S4019,S4201,S4202,S4203,S4204, S5005,S5006,S5007,S5009,S5011,S5012, S5013,S5014,S5015,S5016,S5017,S5018, S5019,S5201,S5202,S5203,S5204, S6005,S6006,S6007,S6009,S6011,S6012, S6013,S6014,S6015,S6016,S6017,S6018, S6019,S6201,S6202,S6203,S6204, S7005,S7006,S7007,S7009,S7011,S7012,

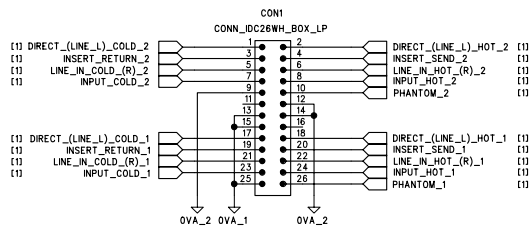
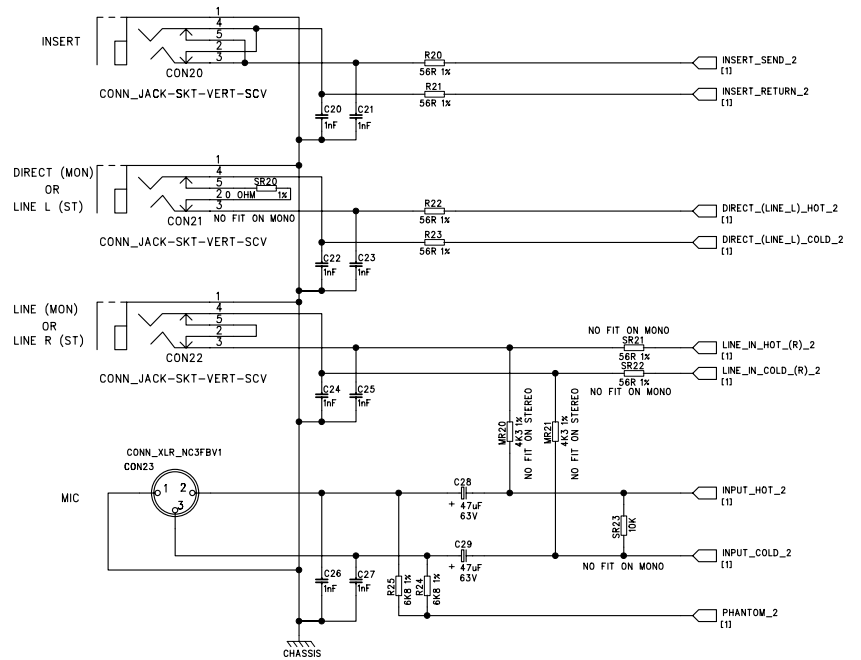
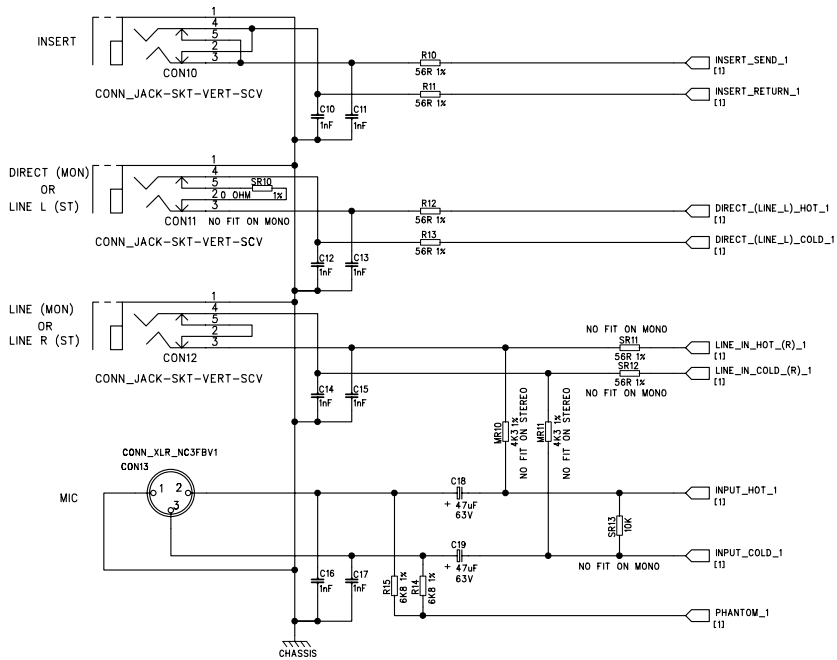
Part Identifier	Description	Quantity	Reference Text
SWT01-JPS2LCV	2POLE LATCH VERT JPS2281	136	S7013,S7014,S7015,S7016,S7017,S7018, S7019,S7201,S7202,S7203,S7204, S8005,S8006,S8007,S8009,S8011,S8012, S8013,S8014,S8015,S8016,S8017,S8018, S8019,S8201,S8202,S8203,S8204,
SWT01-LTV75R01	VERT LATCH SWT & LED RED	8	S1010,S2010,S3010,S4010,S5010,S6010,S7010,S8010
SWT01-LTV75Y01	VERT LTCH SWT & LED YELL	8	S1200,S2200,S3200,S4200,S5200,S6200,S7200,S8200



V0005 Multi Function Input Connector PCB

V0005 Schematics -
V0005 Board Overlays -
V0005 Parts List -

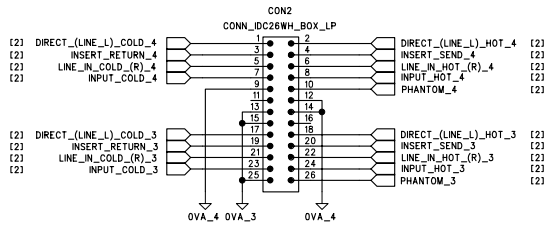
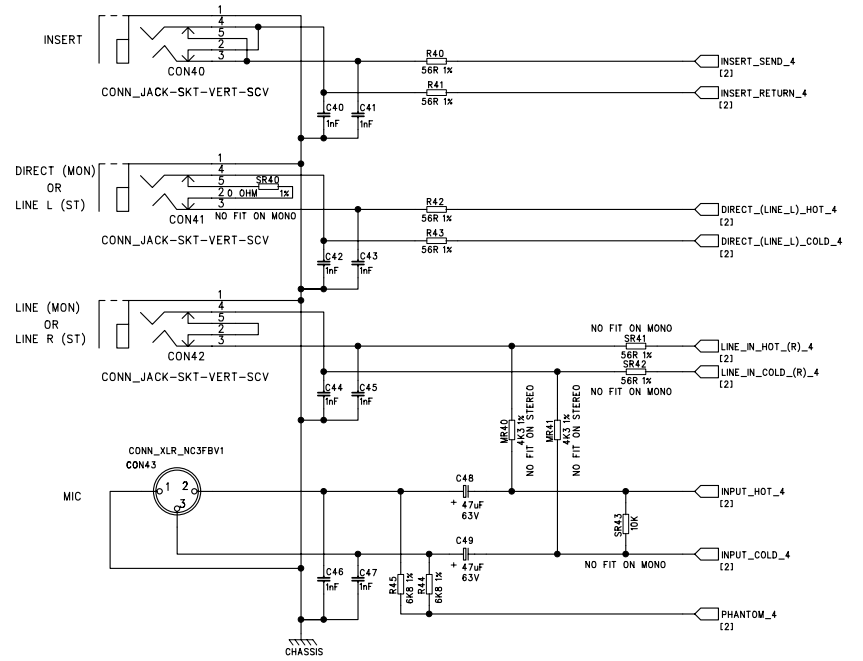
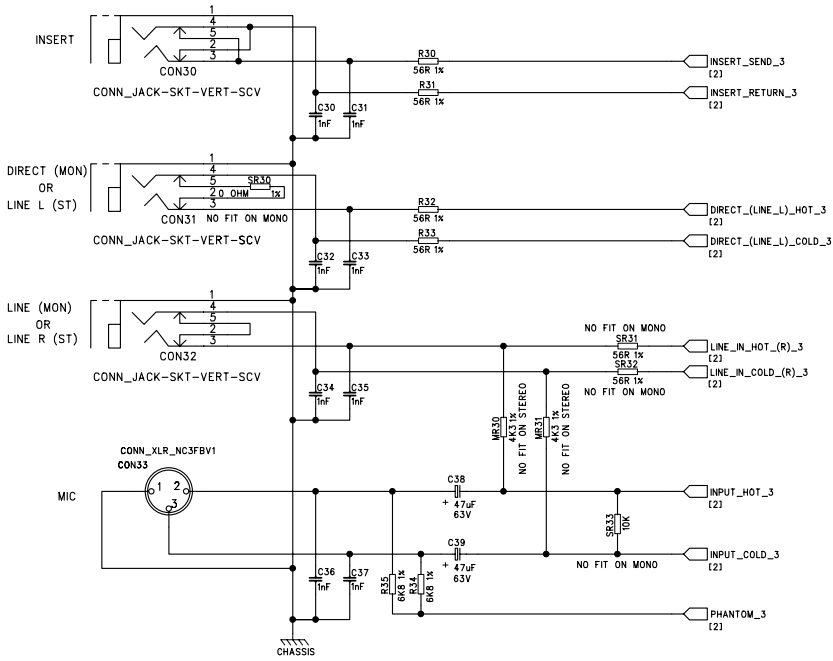




OVA_1 and OVA_2 Joined to OVA on Main Input PCB

AMENDMENTS	ISS.	INIT.	DATE.

UNIT: VERONA	MIDAS AUDIO		
TITLE: Input Connector - CH1 / CH2	DRAWN: AC/SM	DATE: 03-08-03	SHEET: 1 OF 4
BOARD No. V0002 BOARD Iss. 1	CHECKED:	DRG No. PCX-V0002-1.SCH	



OVA_3 and OVA_4 Joined to OVA on Main Input PCB

UNIT: VERONA

MIDAS AUDIO

TITLE: Input Connector - CH1 / CH2

DRAWN: AC/SM

DATE: 03-08-03

SHEET: 2 OF 4

BOARD No. V0002 BOARD Iss. 1

CHECKED:

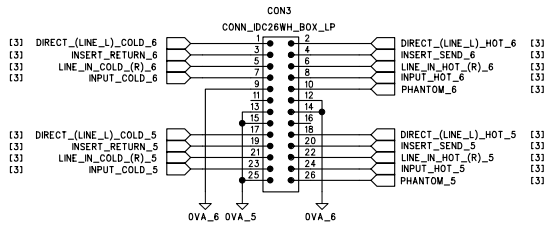
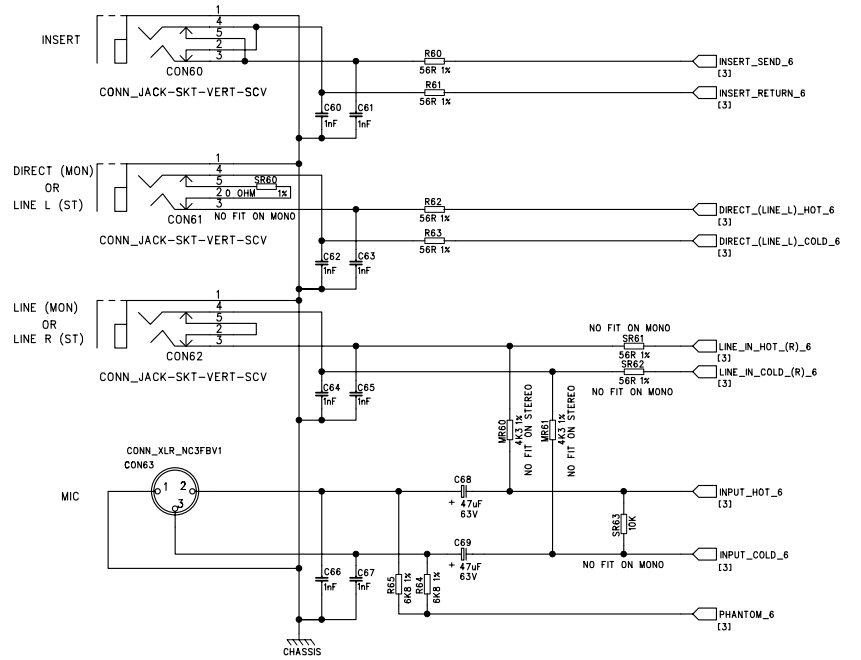
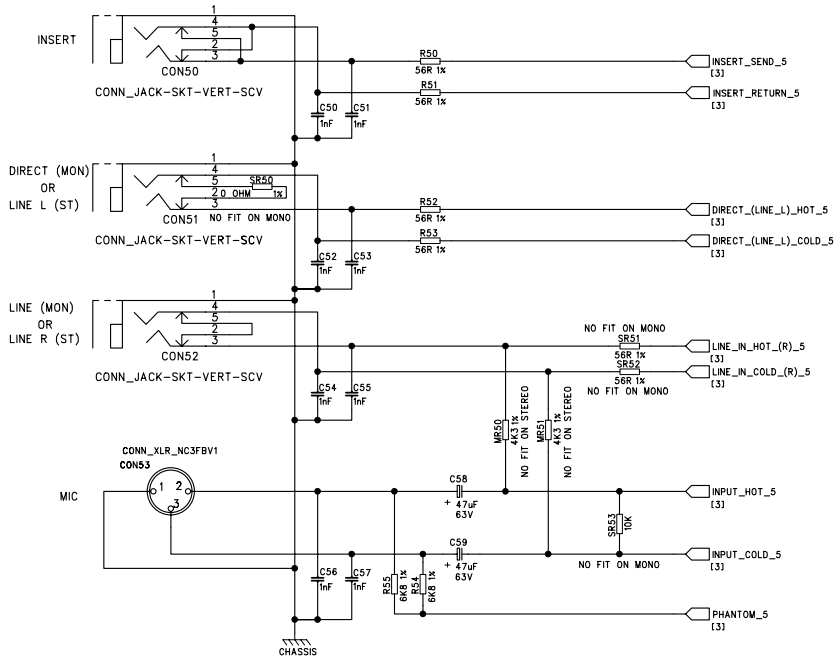
DRG No. PCX-V0002-1.SCH

AMENDMENTS

ISS.

INIT.

DATE.



OVA_5 and OVA_6 Joined to OVA on Main Input PCB

UNIT: VERONA

MIDAS AUDIO

TITLE: Input Connector - CH1 / CH2

DRAWN: AC/SM

DATE: 03-08-03

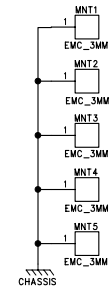
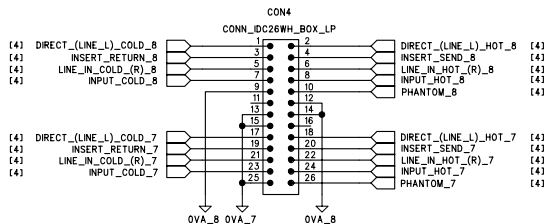
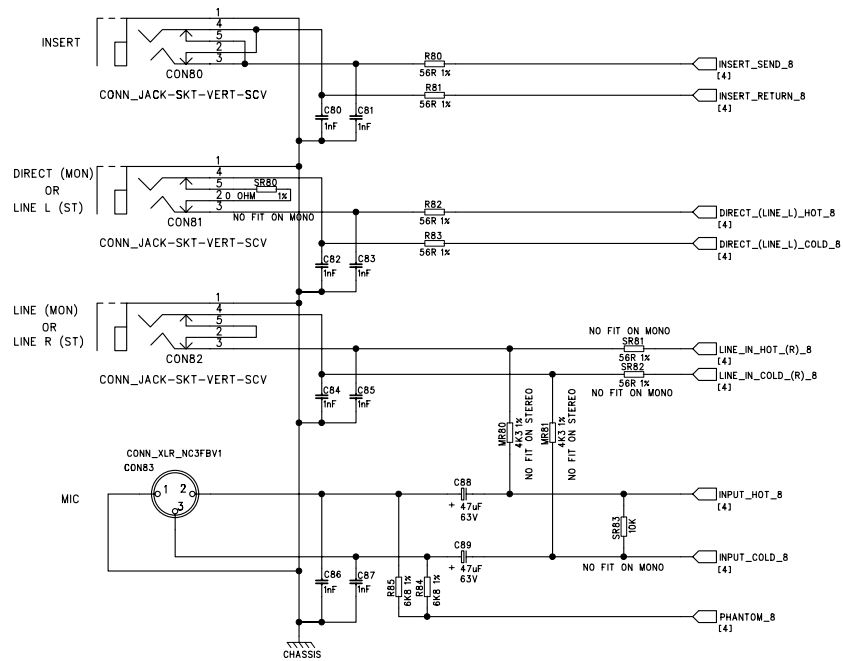
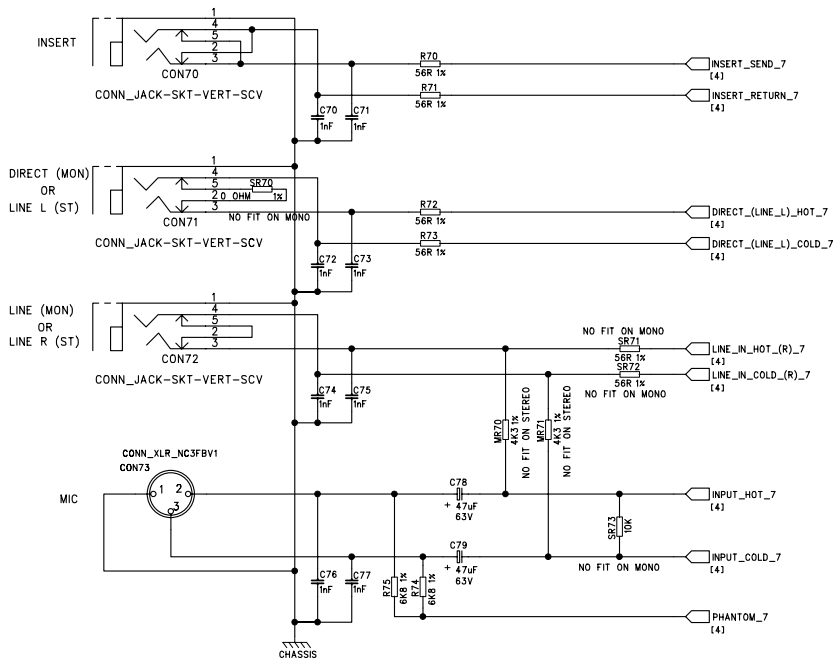
SHEET: 3 OF 4

BOARD No. V0002 BOARD Iss. 1

CHECKED:

DRG No. PCX-V0002-1.SCH

AMENDMENTS	ISS.	INIT.	DATE.



UNIT: VERONA

MIDAS AUDIO

TITLE: Input Connector - CH1 / CH2

DRAWN: AC/SM

DATE: 03-08-03

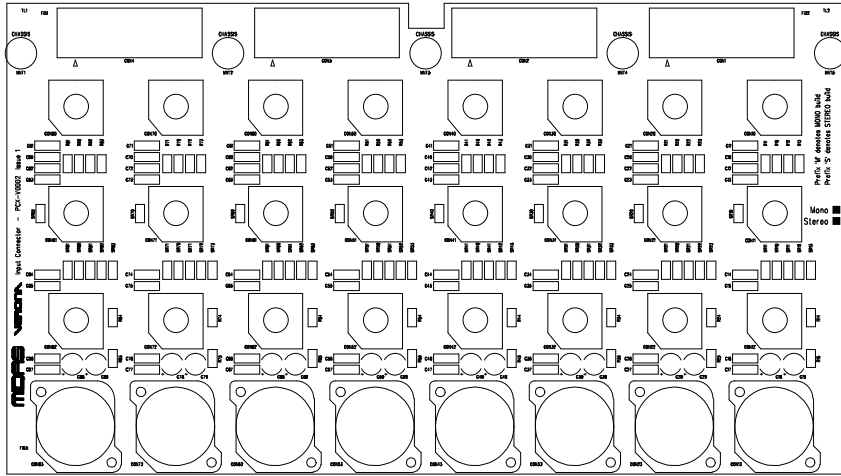
SHEET: 4 OF 4

AMENDMENTS ISS. INIT. DATE.

BOARD No. V0002 BOARD Iss. 1

CHECKED:

DRG No. PCX-V0002-1.SCH



26 Legend Top

UNIT:	VERONA
TITLE:	Input Connector
BOARD No.	V0002
BOARD Iss.	1

KLARK TEKNIK GROUP (UK) PLC			
KLARK TEKNIK BUILDING		TEL: 44 (0)1562 741515	
WALTER PASER ROAD		FAX: 44 (0)1562 749217	
KODURRINGETER		E-mail: simon.moss@klarkgpc.com	
WORSWICK		BY11 7HJ	
DRAWN:	SM	DATE:	12-09-2003
CAD LAYER:	26	CHECKED:	
SHEET Iss:	1	DRG No.	PCX-V0002-LPCB

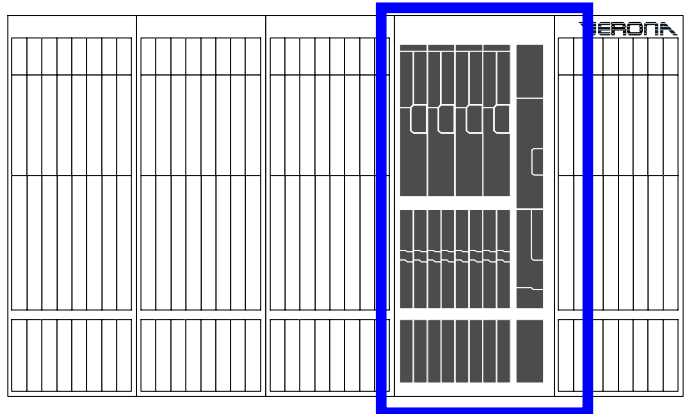
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Part Identifier	Description	Quantity	Reference Text
Verona Multifunctional Input Connector pcb Assembly			
CAP12-J110100	1NF POLYSTER CAP 0.2"	64	C10,C11,C12,C13,C14,C15,C16,C17, C20,C21,C22,C23,C24,C25,C26,C27, C30,C31,C32,C33,C34,C35,C36,C37, C40,C41,C42,C43,C44,C45,C46,C47, C50,C51,C52,C53,C54,C55,C56,C57, C60,C61,C62,C63,C64,C65,C66,C67, C70,C71,C72,C73,C74,C75,C76,C77, C80,C81,C82,C83,C84,C85,C86,C87
CAP63-247063A	47UF 63V RAD.ELEC.2.5MM	16	C18,C19,C28,C29,C38,C39,C48,C49, C58,C59,C68,C69,C78,C79,C88,C89
CON11-26MR2	26WY R/A ML LOW PRO BOX	4	J1,J2,J3,J4
CON31-3FAV1	NC3FAV FEMALE XLR	8	CON13,CON23,CON33,CON43,CON53,CON63, CON73,CON83
CON32-SCJ651M1	6.3DIA PCB JACK SKT CHAM	24	CON10,CON11,CON12,CON20,CON21,CON22, CON30,CON31,CON32,CON40,CON41,CON42, CON50,CON51,CON52,CON60,CON61,CON62, CON70,CON71,CON72,CON80,CON81,CON82
PCX-V0002-1	INPUT CONNECTOR PCB	1	
RES04-0E0R00	LINK "O" OHM BODIED	8	SR10,SR20,SR30,SR40,SR50,SR60, SR70,SR80
RES04-1E5R60	56R RES.M.FILM 1% 0.4W	48	R10,R11,R12,R13,R20,R21,R22,R23, R30,R31,R32,R33,R40,R41,R42,R43, R50,R51,R52,R53,R60,R61,R62,R63, R70,R71,R72,R73,R80,R81,R82,R83, SR11,SR12,SR21,SR22,SR31,SR32, SR41,SR42,SR51,SR52,SR61,SR62, SR71,SR72,SR81,SR82
RES04-3E6R80	6K8 RES.M.FILM 1% 0.4W	16	R14,R15,R24,R25,R34,R35,R44,R45, R54,R55,R64,R65,R74,R75,R84,R85
RES04-4E1R00	10K RES.M.FILM 1% 0.4W	8	SR13,SR23,SR33,SR43,SR53,SR63, SR73,SR83



V0011 Output Module

V0011 Parts List -
V0011 Module Overlays -





KLARK TEKNIK GROUP



KLARK TEKNIK
SIGNAL PROCESSING BY DEFINITION

Part Identifier	Description	Quantity	Reference Text
Verona Output Module Parts List			
CON31-WIR13-2	NC3FDM3L1 XLR+CONN-90MM	1	
MWX-V000M26-1	CONSOLE LOWER PCB SPACER	4	
MWX-V000M27-1	CONSOLE UPPER PCB SPACER	4	
MWX-V0011M01-3	GROUP/MASTER MOD FASCIA	1	
MWX-V0011M02-3	OUTPUT SUB FASCIA	1	
V0011-02-2	VERONA OUTPUT PCB ASSY	1	
V0011-PLASTIC-1	VERONA OUTPUT PLASTICS	0	
V0013-01-2	OUTPUT FADER PCB ASSY	1	



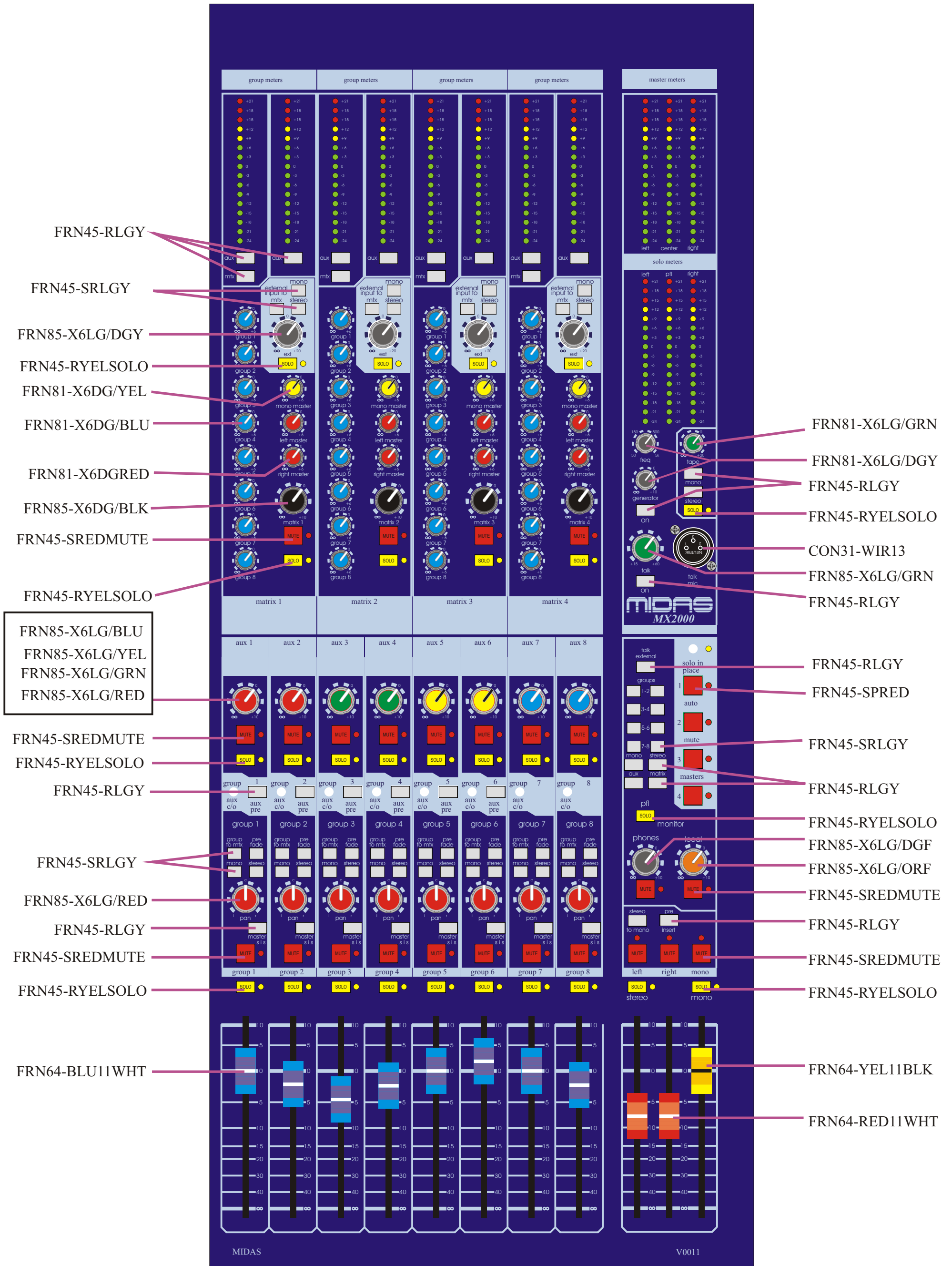
KLARK TEKNIK GROUP



KLARK TEKNIK
SIGNAL PROCESSING BY DEFINITION

Part Identifier	Description	Quantity	Reference Text
Verona Output Module Plastics			
FRN45-RLGY	SIFAM RECT LGY PLAIN CAP	148	
FRN45-RYELSOLO	SIFAM RECT YELL (SOLO)	112	
FRN45-SPRED	SIFAM SQ PLAIN RED	16	
FRN45-SREDMUTE	SIFAM SQ RED (MUTE) CAP	100	
FRN45-SRLGY	SIFAM SML RECT LGY PLAIN	208	
FRN64-BLU11WHT	11MM 2 PART F/KNOB BLUE	32	
FRN64-RED11WHT	11MM 2 PART F/KNOB RED	8	
FRN64-YEL11BLK	11MM 2 PART F/KNOB YEL	4	
FRN81-X6DG/BLU	11MM MIDAS KNOB 6MM D	128	
FRN81-X6DG/RED	11MM MIDAS KNOB 6MM D	32	
FRN81-X6DG/YEL	11MM MIDAS KNOB 6MM D	16	
FRN81-X6LG/DGY	11MM MIDAS KNOB 6MM D	8	
FRN81-X6LG/GRN	11MM MIDAS KNOB 6MM D	4	
FRN85-X6DG/BLK	15MM MIDAS KNOB 6MM D	16	
FRN85-X6LG/BLU	15MM MIDAS KNOB 6MM D	8	
FRN85-X6LG/DGF	15MM MIDAS KNOB 6MM D	4	
FRN85-X6LG/DGY	15MM MIDAS KNOB 6MM D	16	
FRN85-X6LG/GRN	15MM MIDAS KNOB 6MM D	12	
FRN85-X6LG/ORF	15MM MIDAS KNOB 6MM D	4	
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FRN85-X6LG/YEL	15MM MIDAS KNOB 6MM D	8	

OUTPUT MODULE

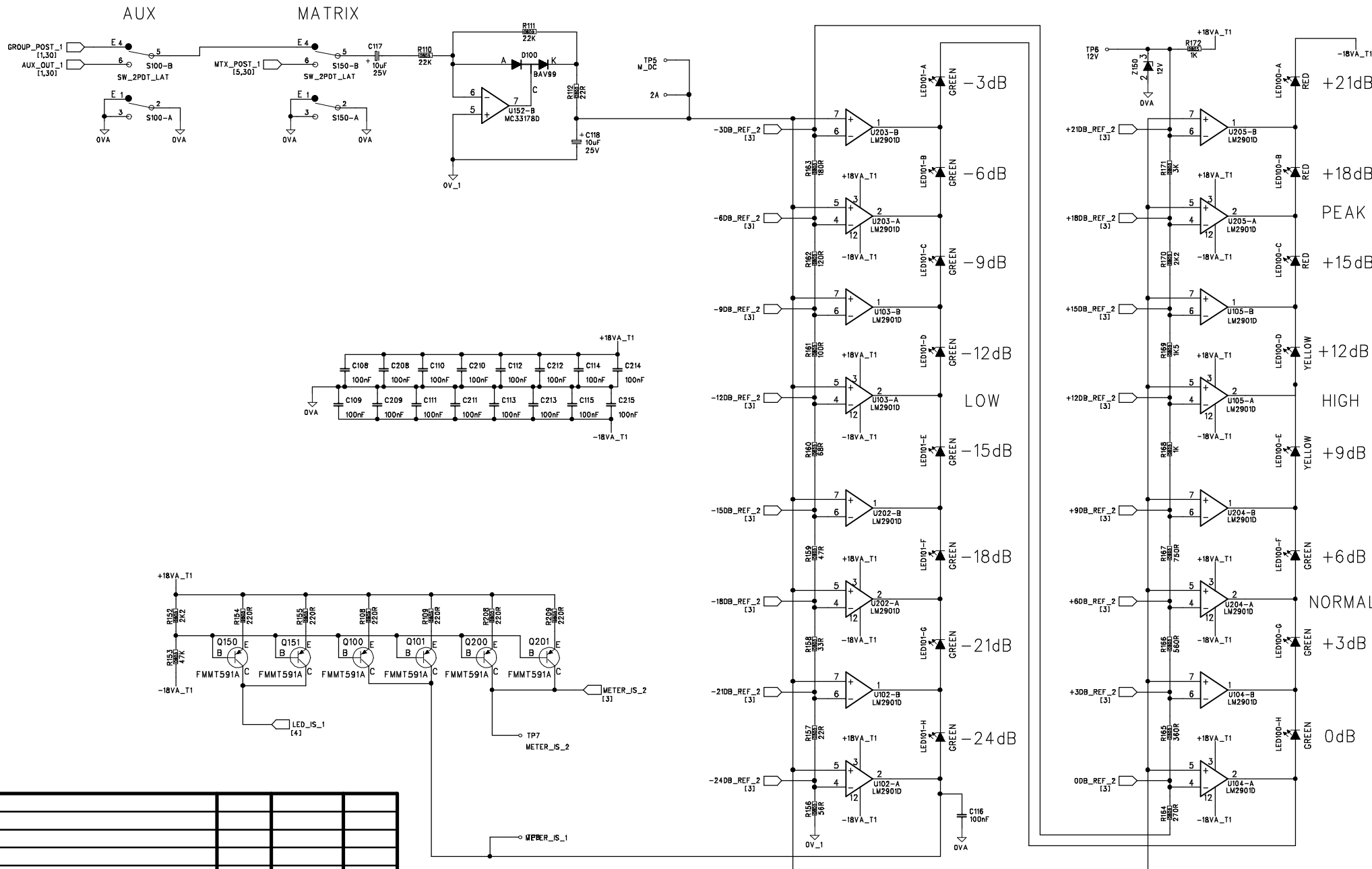




V0011 Output PCB Upper Board Metering And Matrix

- V0011 Schematics -
- V0011 Board Overlays -
- V0011 Parts Grid Locator -
- V0011 Parts List -





UNIT: VERONA

MIDAS AUDIO

FOR CHANGES SEE ECN4385 2.1 AA 08-01-04

FOR CHANGES SEE ECN4278 1.1 AA 31-10-03

AMENDMENTS ISS. INT. DATE.

TITLE: OUTPUT MODULE

DRAWN: AC/SM

DATE: 07-01-04

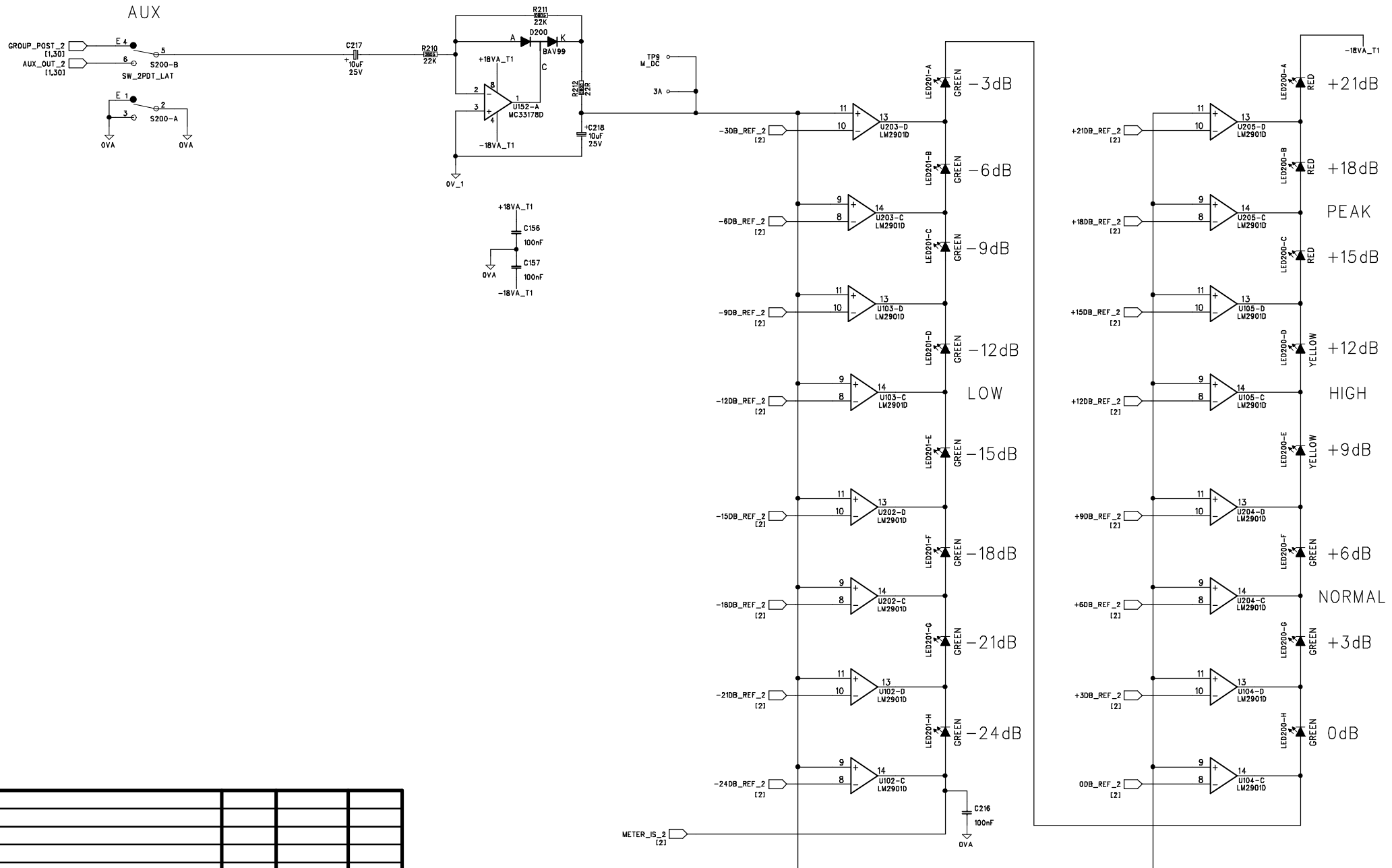
SHEET: 2 Of 31

BOARD No. V0011 BOARD Iss. 2

CHECKED:

SHEET Iss: 2.1

DRG No. PCX-V0011-2.1.sch



UNIT: VERONA

MIDAS AUDIO

TITLE: OUTPUT MODULE

DRAWN: AC/SM

DATE: 07-01-04

SHEET: 3 Of 31

BOARD No. V0011

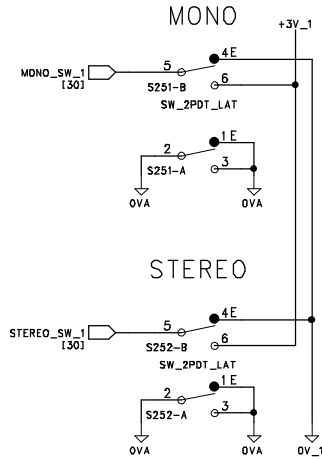
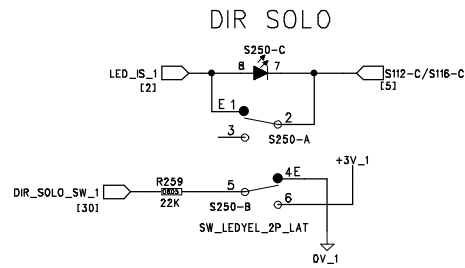
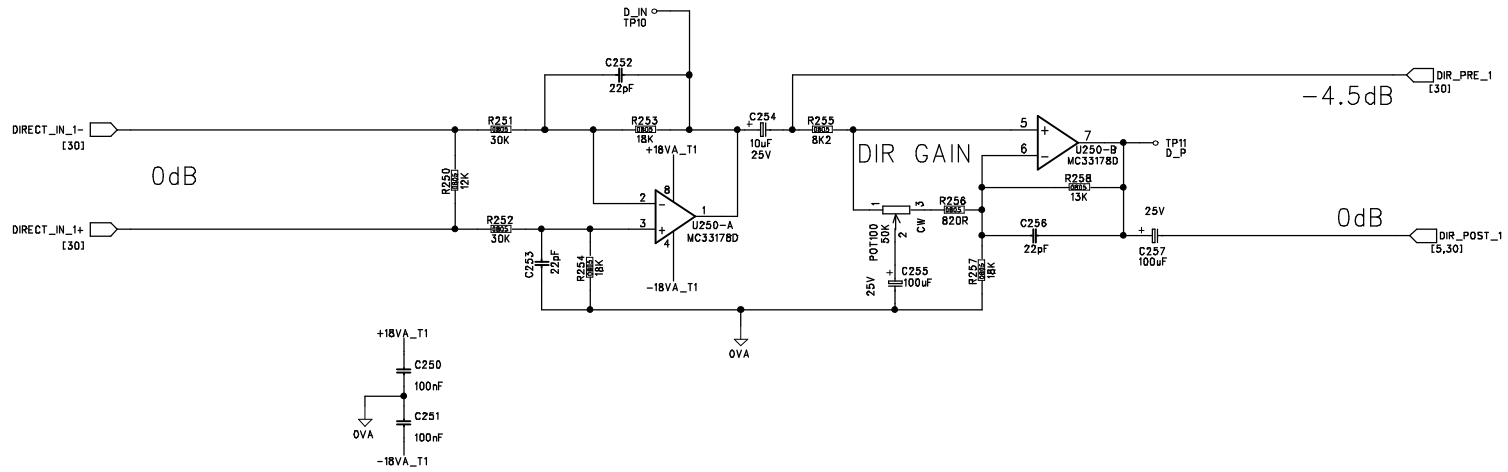
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SHEET Iss: 2.1

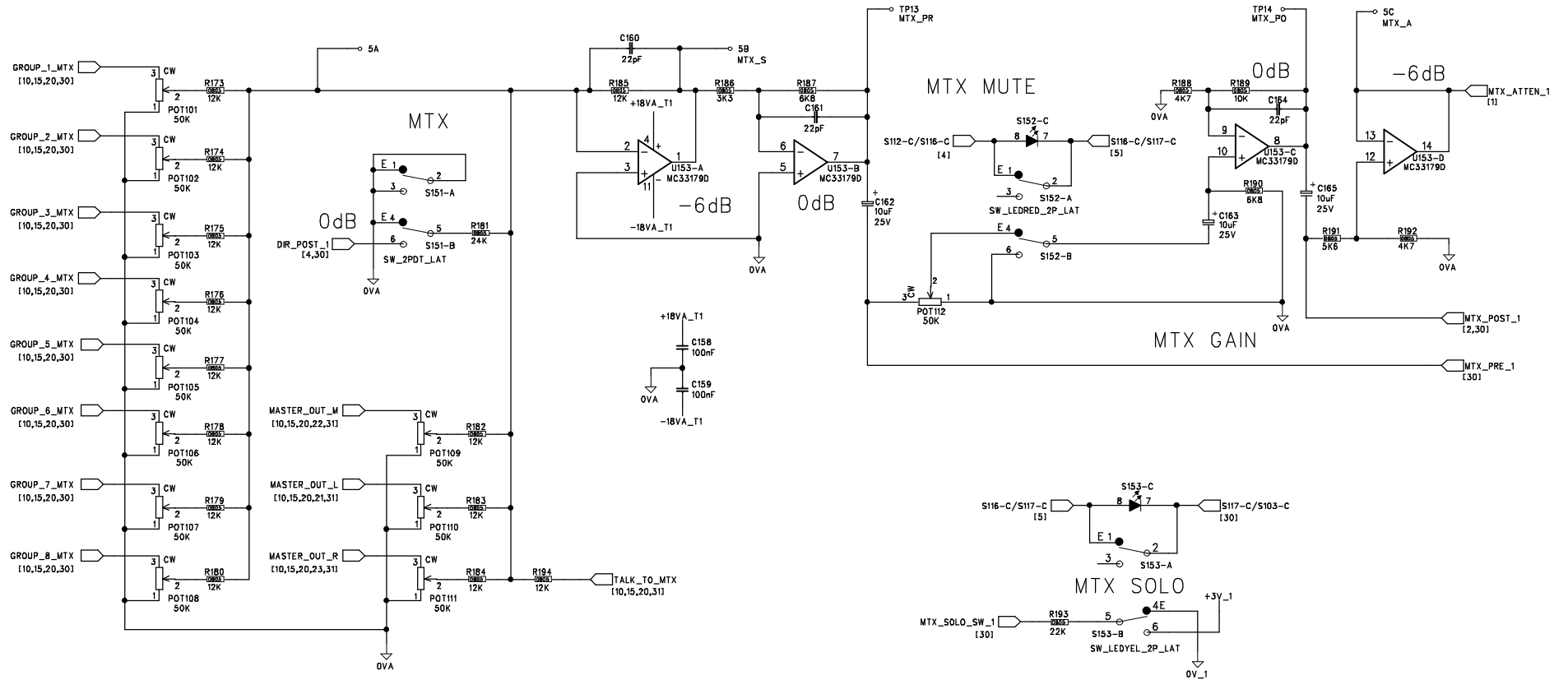
DRG No. PCX-V0011-2.1.sch

FOR CHANGES SEE ECN4385	2.1	AA	08-01-04
FOR CHANGES SEE ECN4278	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.



FOR CHANGES SEE ECN4385	2.1	AA	08-01-04
FOR CHANGES SEE ECN4278	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

UNIT: VERONA	MIDAS AUDIO		
TITLE: OUTPUT MODULE	DRAWN: AC/SM	DATE: 07-01-04	SHEET: 4 Of 31
BOARD No. V0011	BOARD Iss. 2	CHECKED:	SHEET Iss: 2.1
			DRG No. PCX-V0011-2.1.sch



UNIT: VERONA

MIDAS AUDIO

FOR CHANGES SEE ECN4385 2.1 AA 08-01-04

TITLE: OUTPUT MODULE

DRAWN: AC/SM

DATE: 07-01-04

SHEET: 5 Of 31

FOR CHANGES SEE ECN4278 1.1 AA 31-10-03

BOARD No. V0011

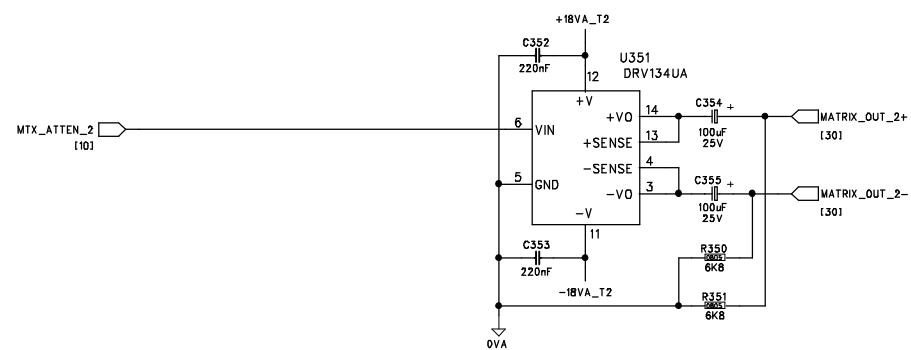
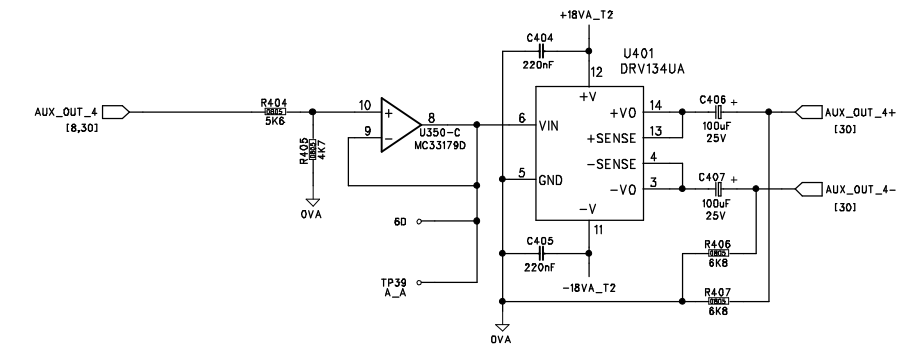
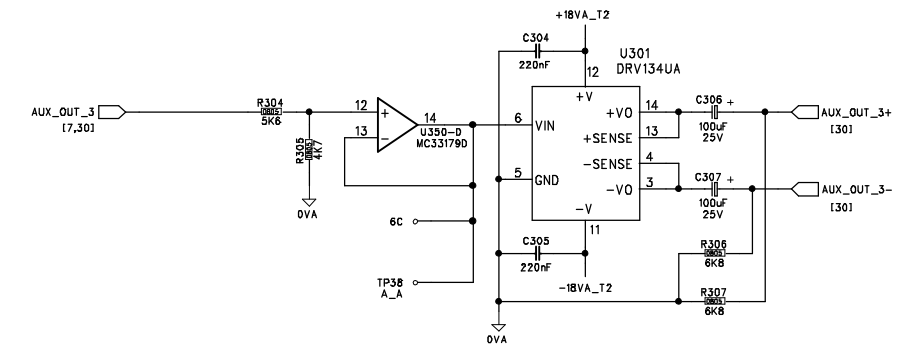
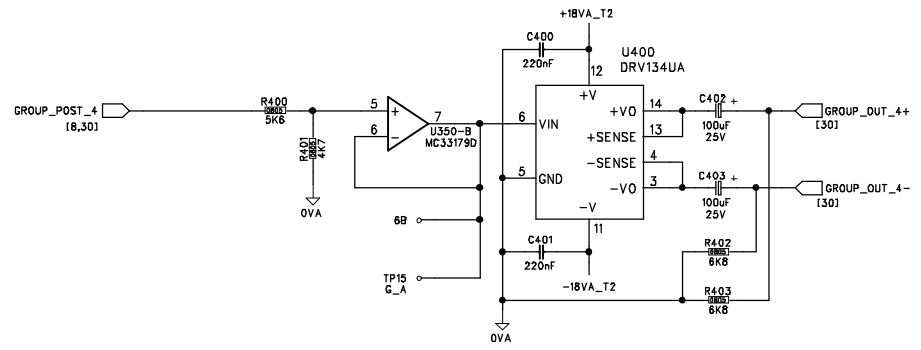
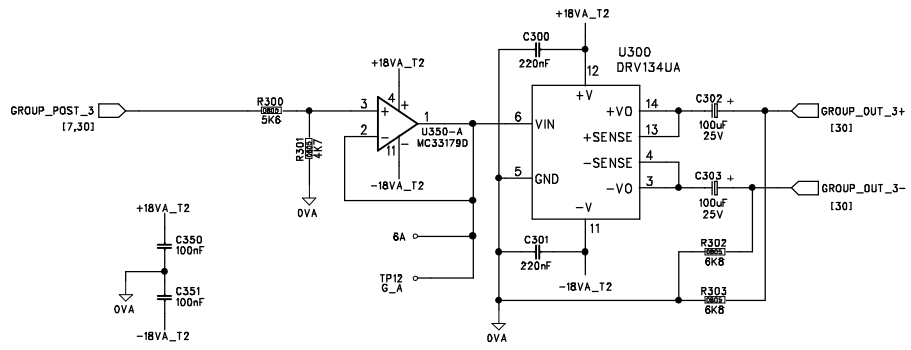
BOARD Iss. 2

CHECKED:

SHEET Iss: 2.1

DRG No. PCX-V0011-2.1.sch

AMENDMENTS ISS. INT. DATE.



UNIT: VERONA

MIDAS AUDIO

TITLE: OUTPUT MODULE

DRAWN: AC/SM

DATE: 07-01-04

SHEET: 6 Of 31

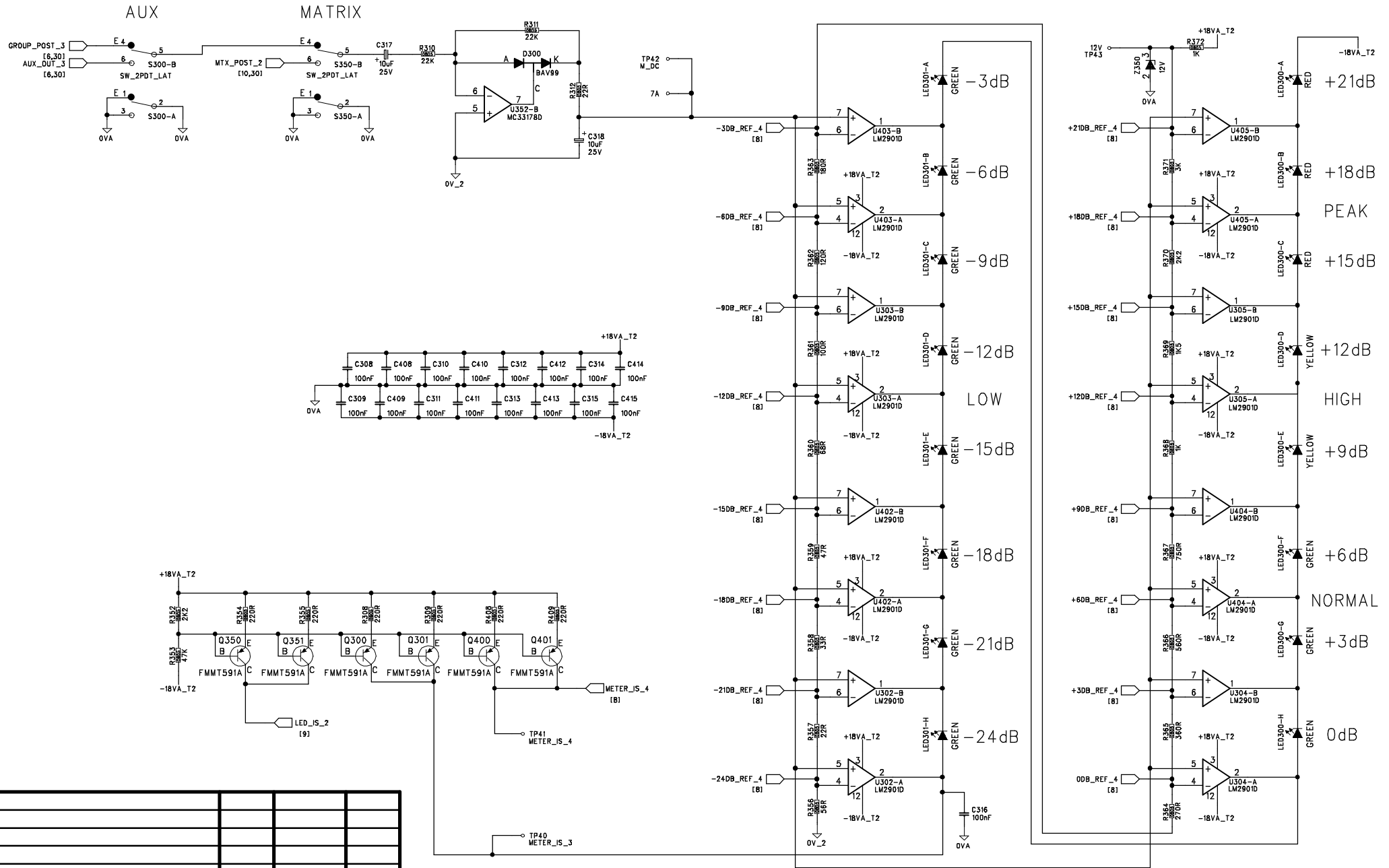
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SHEET Iss: 2.1

DRG No. PCX-V0011-2.1.sch

FOR CHANGES SEE ECN4385	2.1	AA	08-01-04
FOR CHANGES SEE ECN4278	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.



UNIT: VERONA

MIDAS AUDIO

FOR CHANGES SEE ECN4385	2.1	AA	08-01-04
FOR CHANGES SEE ECN4278	1.1	AA	31-10-03
AMENDMENTS	ISS.	INT.	DATE.

TITLE: OUTPUT MODULE

DRAWN: AC/SM

DATE: 07-01-04

SHEET: 7 Of 31

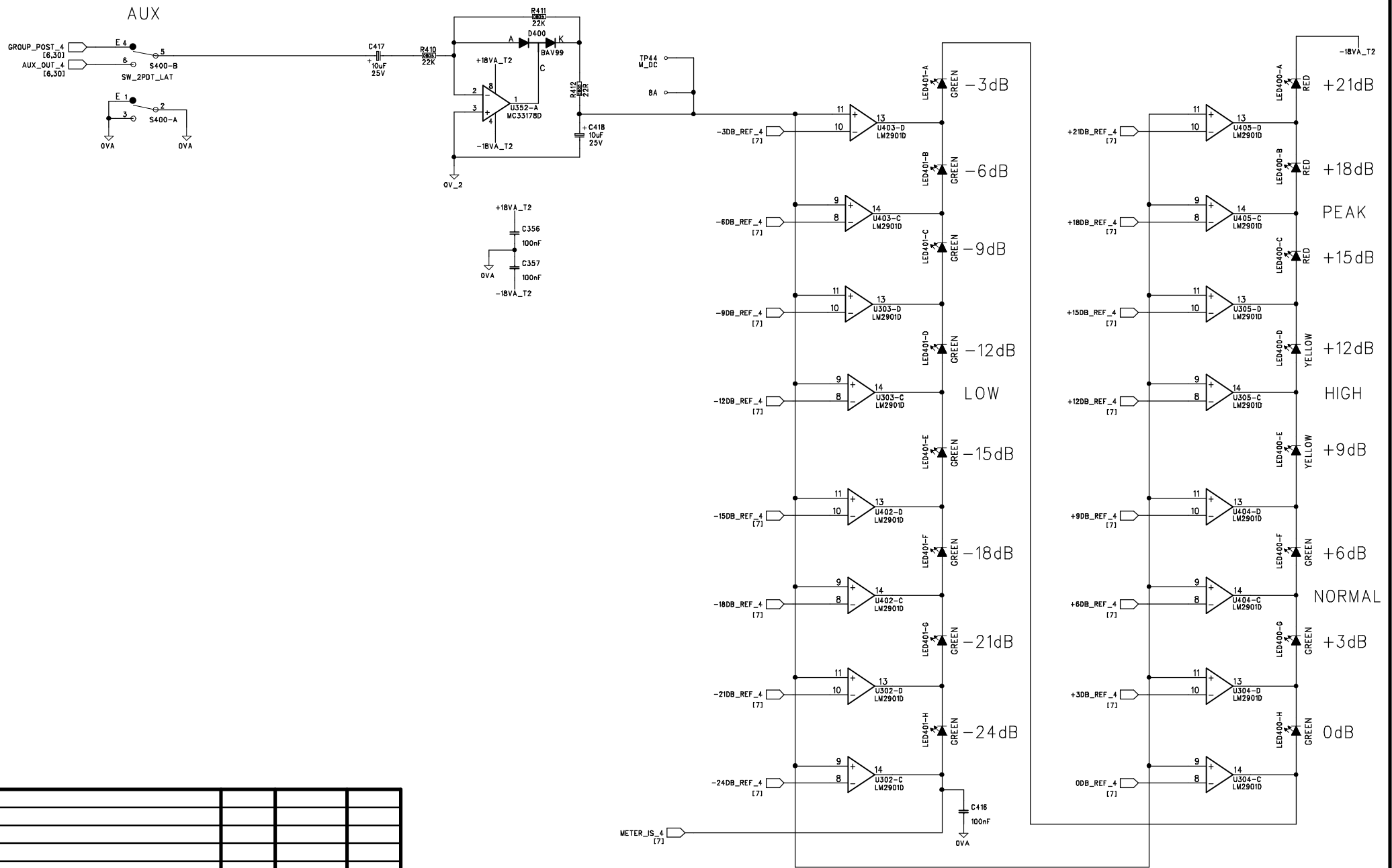
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BOARD Iss. 2

CHECKED:

SHEET Iss: 2.1

DRG No. PCX-V0011-2.1.sch



UNIT: VERONA

MIDAS AUDIO

TITLE: OUTPUT MODULE

DRAWN: AC/SM

DATE: 07-01-04

SHEET: 8 Of 31

BOARD No. V0011

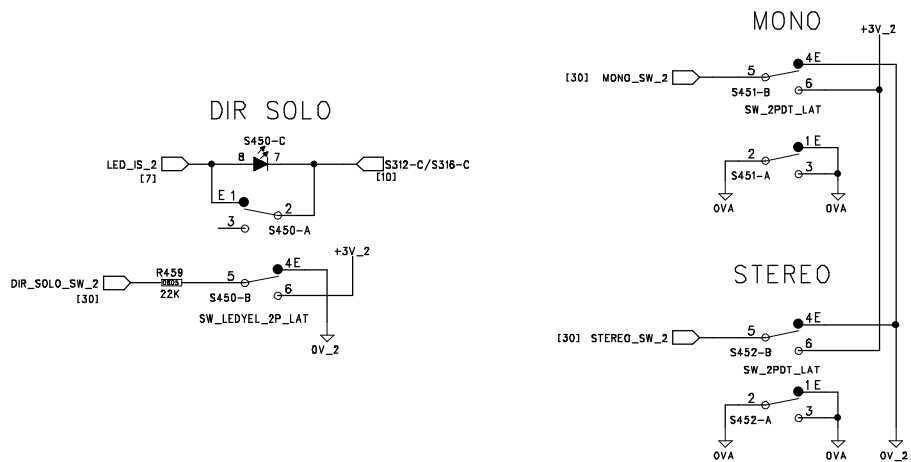
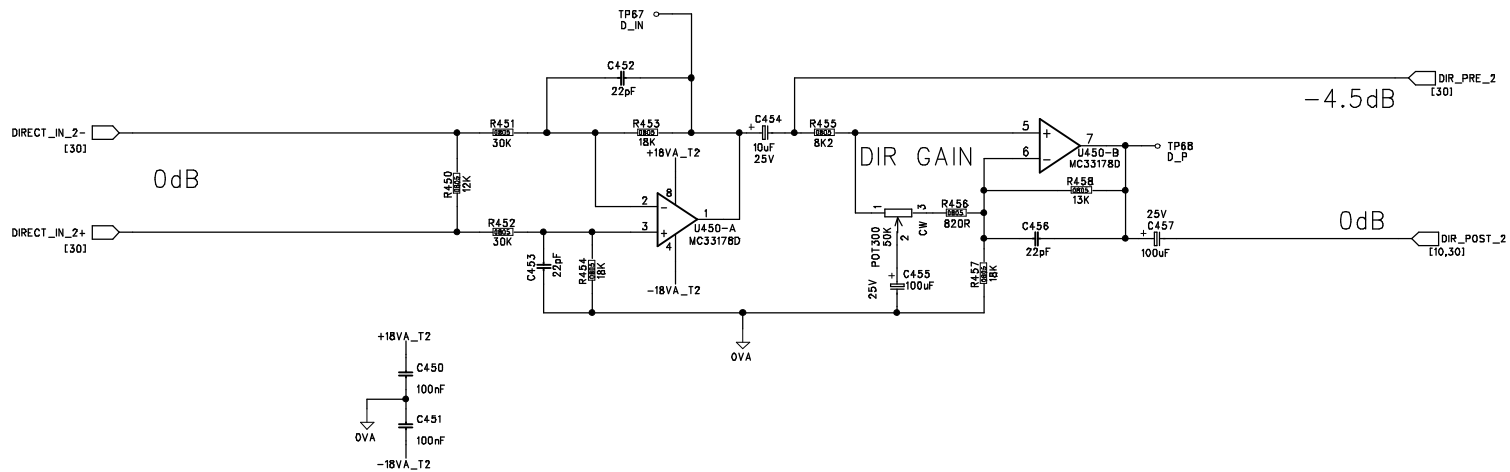
BOARD Iss. 2

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SHEET Iss: 2.1

DRG No. PCX-V0011-2.1.sch

FOR CHANGES SEE ECN4385	2.1	AA	08-01-04
FOR CHANGES SEE ECN4278	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.



UNIT: VERONA

MIDAS AUDIO

FOR CHANGES SEE ECN4385 2.1 AA 08-01-04

TITLE: OUTPUT MODULE

DRAWN: AC/SM

DATE: 07-01-04

SHEET: 9 Of 31

FOR CHANGES SEE ECN4278 1.1 AA 31-10-03

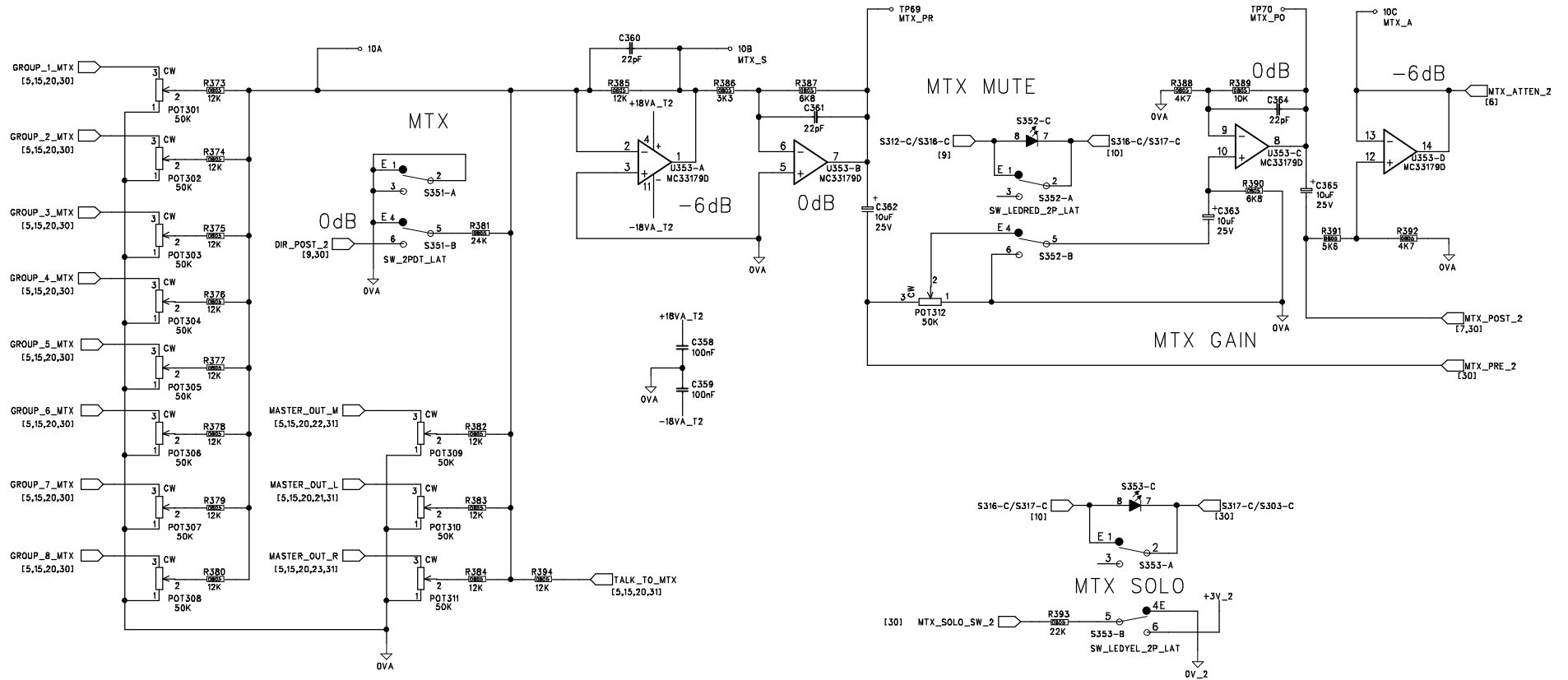
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CHECKED:

SHEET Iss: 2.1

DRG No. PCX-V0011-2.1.sch

AMENDMENTS ISS. INIT. DATE.



UNIT: VERONA

MIDAS AUDIO

TITLE: OUTPUT MODULE

DRAWN: AC/SM

DATE: 07-01-04

SHEET: 10 Of 31

BOARD No. V0011

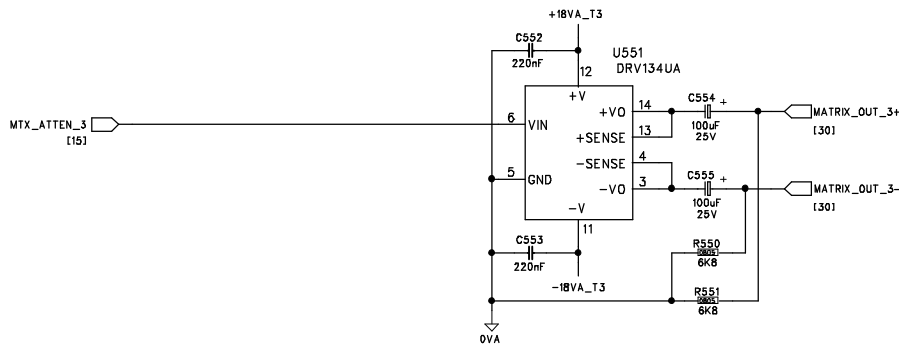
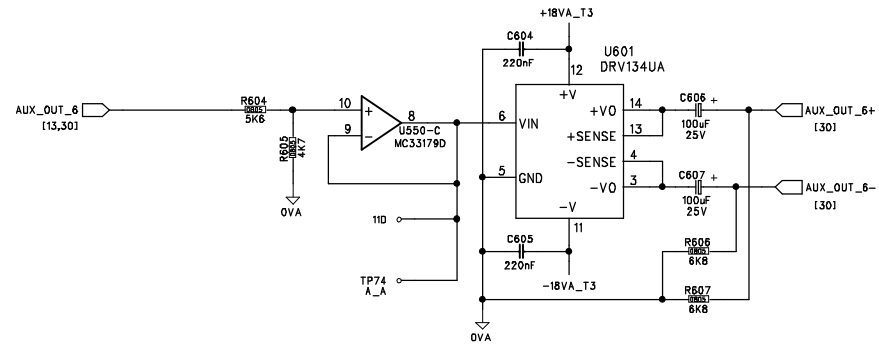
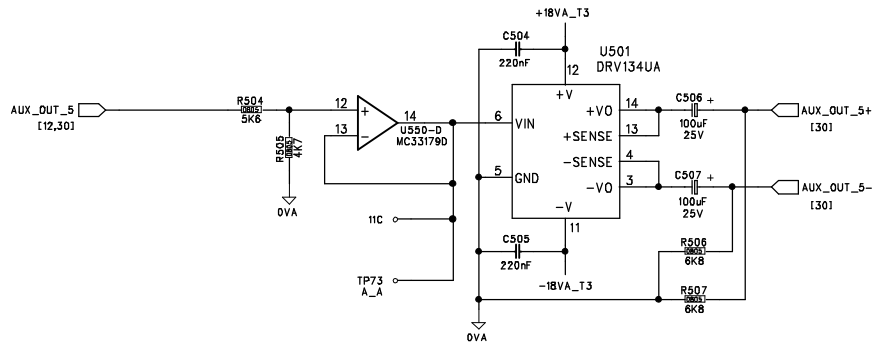
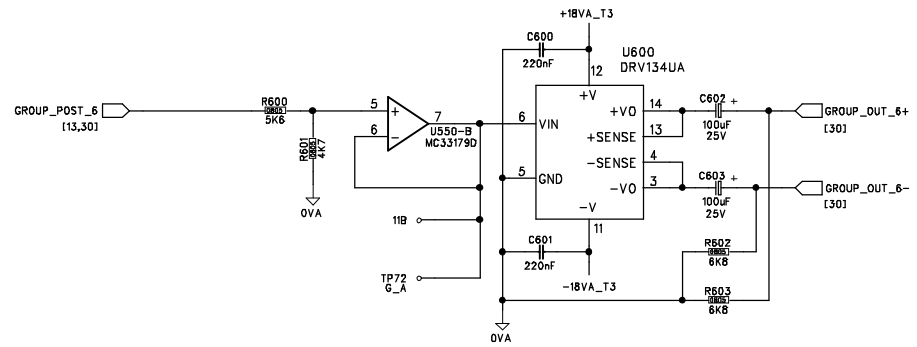
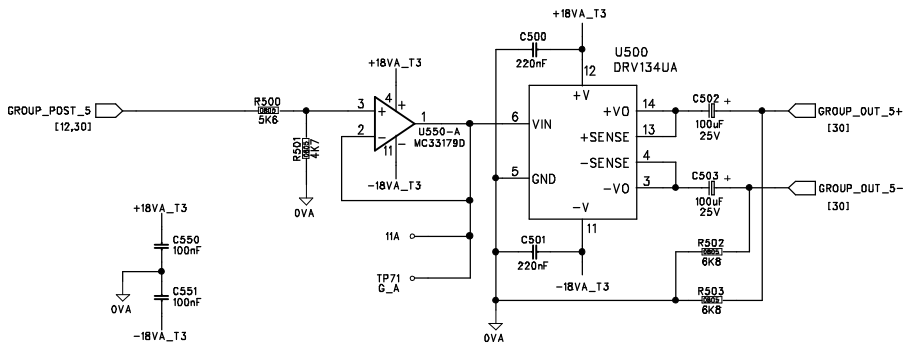
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CHECKED:

SHEET Iss: 2.1

DRG No. PCX-V0011-2.1.sch

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FOR CHANGES SEE ECN4278	1.1	AA	31-10-03
AMENDMENTS	ISS.	INT.	DATE.



FOR CHANGES SEE ECN4385	2.1	AA	08-01-04
FOR CHANGES SEE ECN4278	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

UNIT: VERONA

MIDAS AUDIO

TITLE: OUTPUT MODULE

DRAWN: AC/SM

DATE: 07-01-04

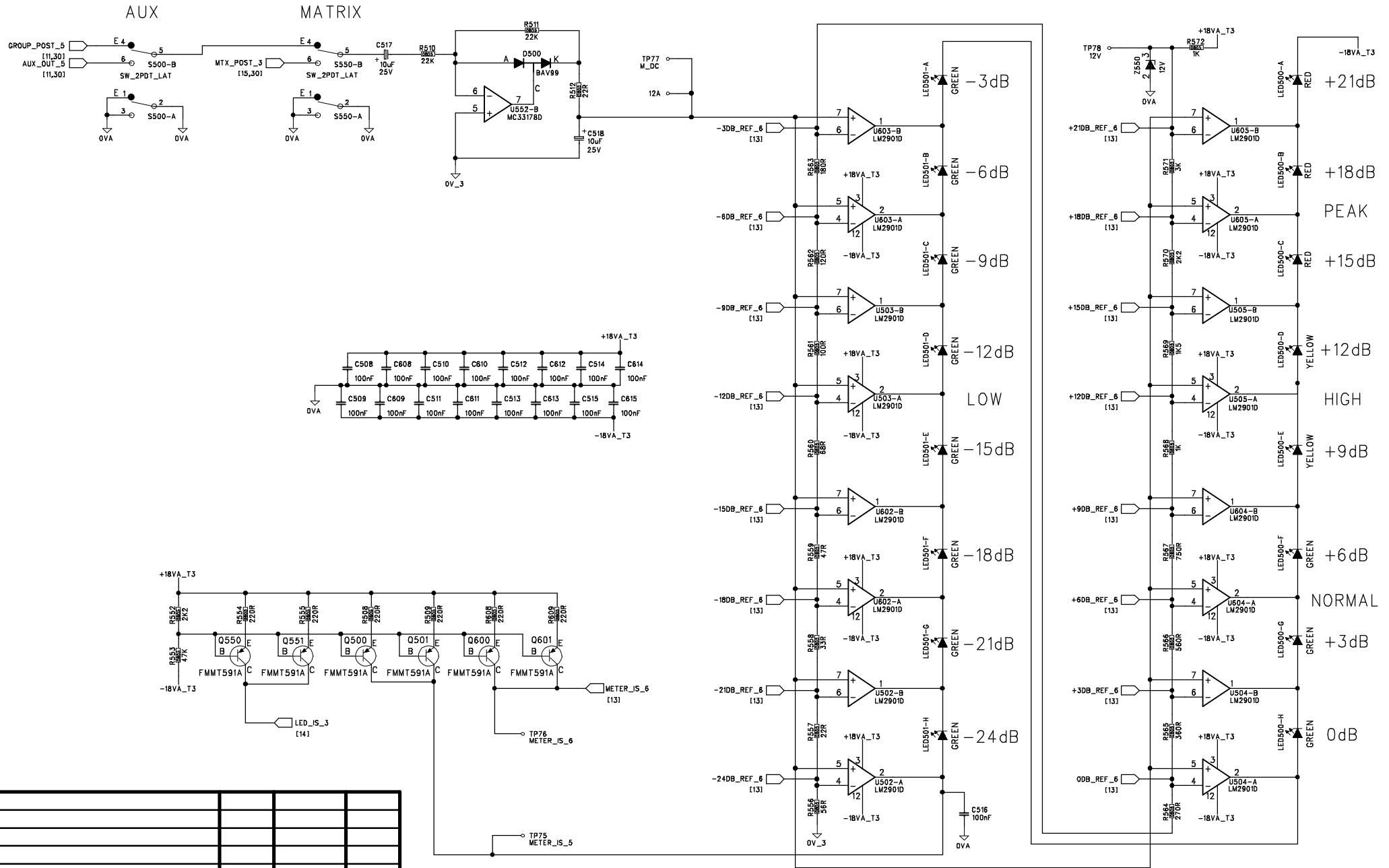
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BOARD No. V0011 BOARD Iss. 2

CHECKED:

SHEET Iss: 2.1

DRG No. PCX-V0011-2.1.sch



UNIT: VERONA

MIDAS AUDIO

TITLE: OUTPUT MODULE

DRAWN: AC/SM

DATE: 07-01-04

SHEET: 12 Of 31

BOARD No. V0011

BOARD Iss. 2

CHECKED:

SHEET Iss: 2.1

DRG No. PCX-V0011-2.1.sch

FOR CHANGES SEE ECN4385

2.1

AA

08-01-04

FOR CHANGES SEE ECN4278

1.1

AA

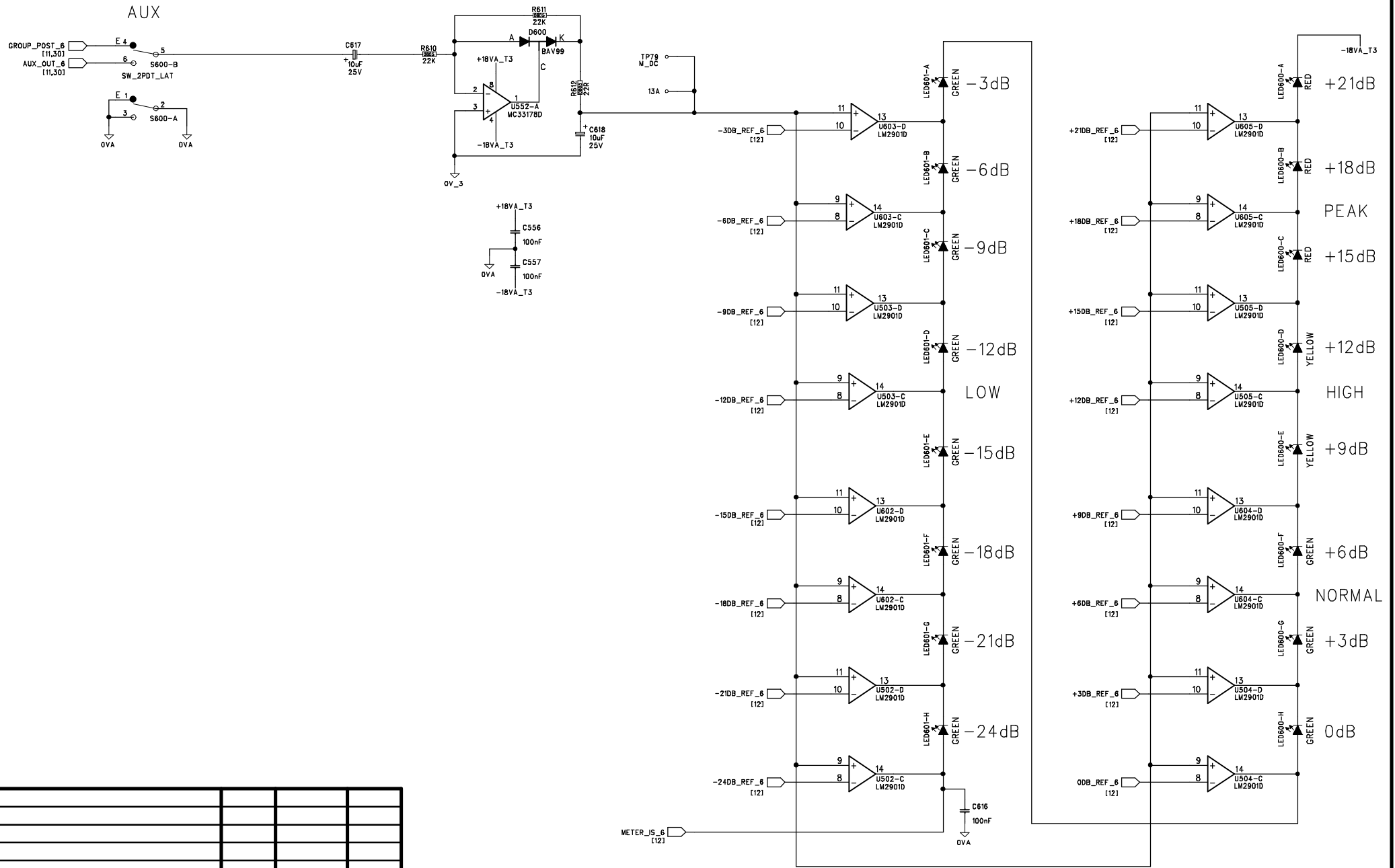
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AMENDMENTS

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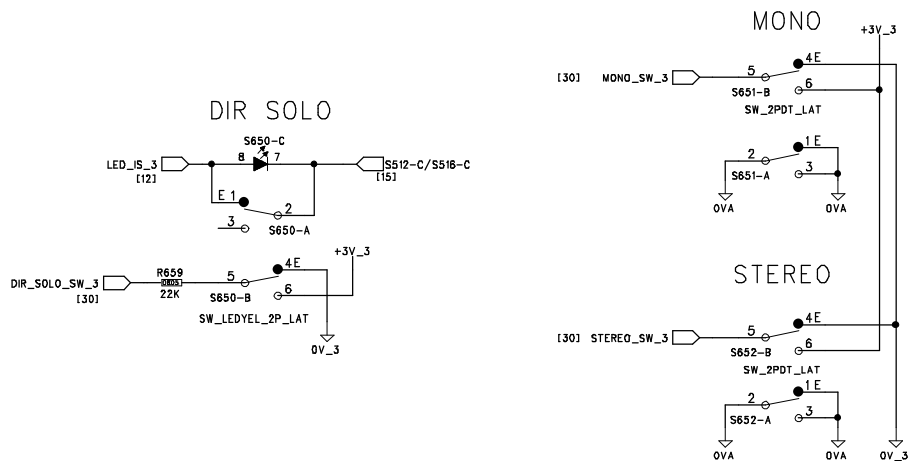
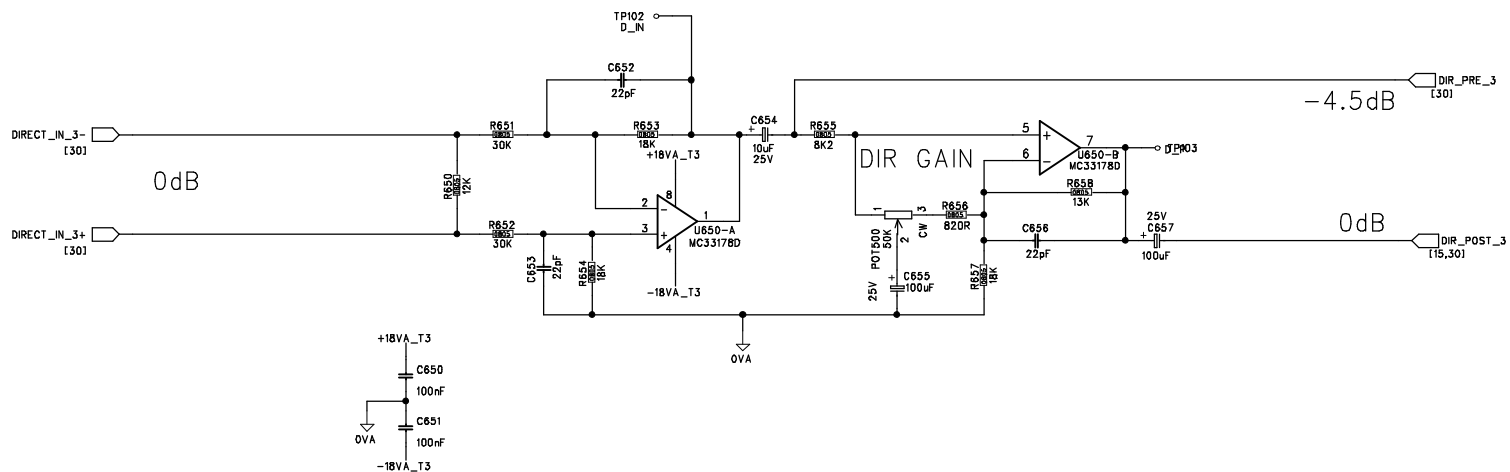
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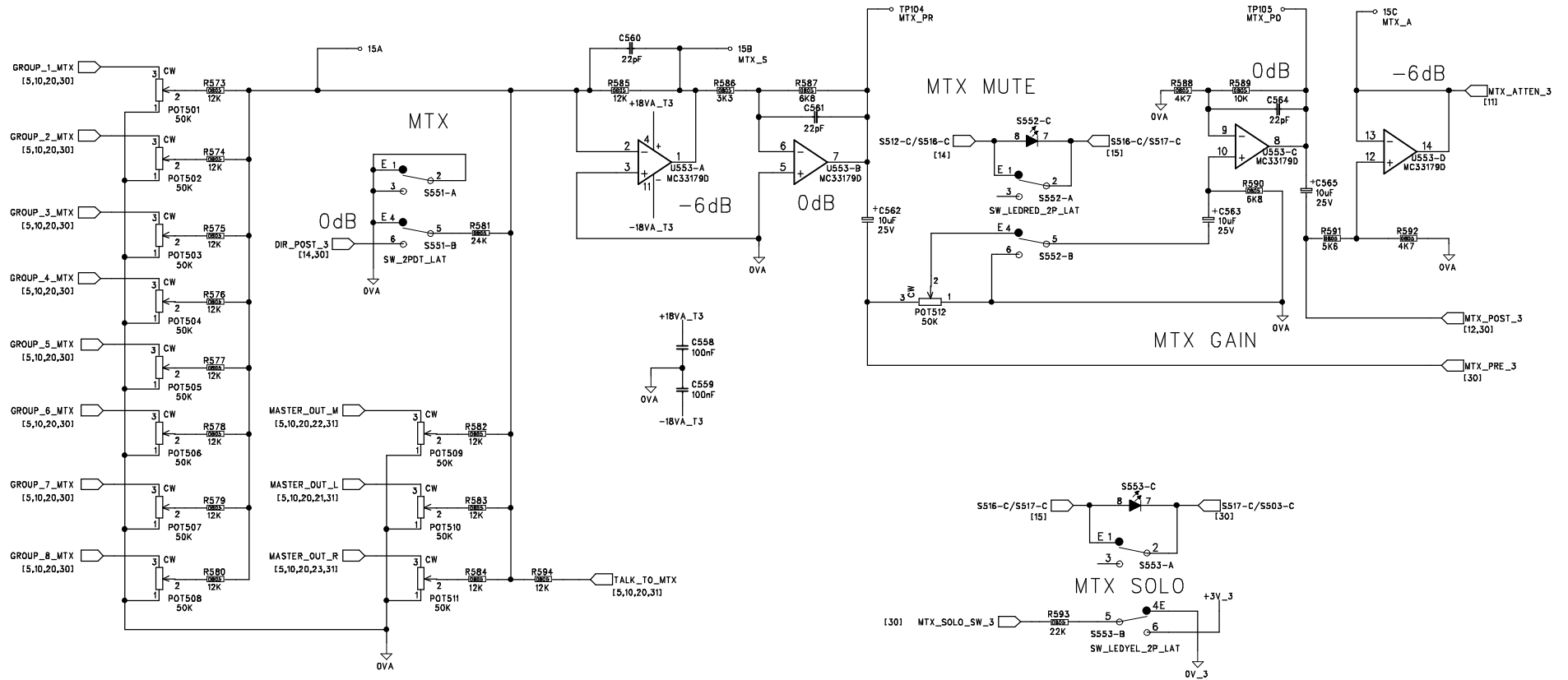
FOR CHANGES SEE ECN4385	2.1	AA	08-01-04	
FOR CHANGES SEE ECN4278	1.1	AA	31-10-03	
AMENDMENTS	ISS.	INIT.	DATE.	

UNIT: VERONA	MIDAS AUDIO		
TITLE: OUTPUT MODULE	DRAWN: AC/SM	DATE: 07-01-04	SHEET: 13 Of 31
BOARD No. V0011	BOARD Iss. 2	CHECKED:	SHEET Iss: 2.1
			DRG No. PCX-V0011-2.1.sch



FOR CHANGES SEE ECN4385	2.1	AA	08-01-04
FOR CHANGES SEE ECN4278	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

UNIT: VERONA	MIDAS AUDIO		
TITLE: OUTPUT MODULE	DRAWN: AC/SM	DATE: 07-01-04	SHEET: 14 Of 31
BOARD No. V0011	BOARD Iss. 2	CHECKED:	SHEET Iss: 2.1
			DRG No. PCX-V0011-2.1.sch



UNIT: VERONA

MIDAS AUDIO

FOR CHANGES SEE ECN4385 2.1 AA 08-01-04

TITLE: OUTPUT MODULE

DRAWN: AC/SM

DATE: 07-01-04

SHEET: 15 Of 31

FOR CHANGES SEE ECN4278 1.1 AA 31-10-03

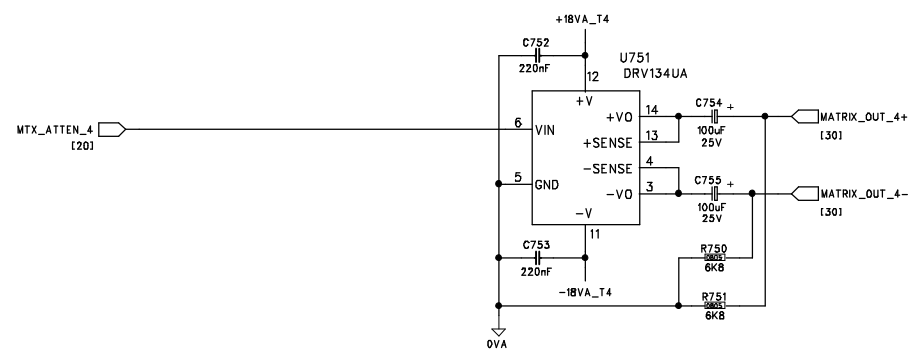
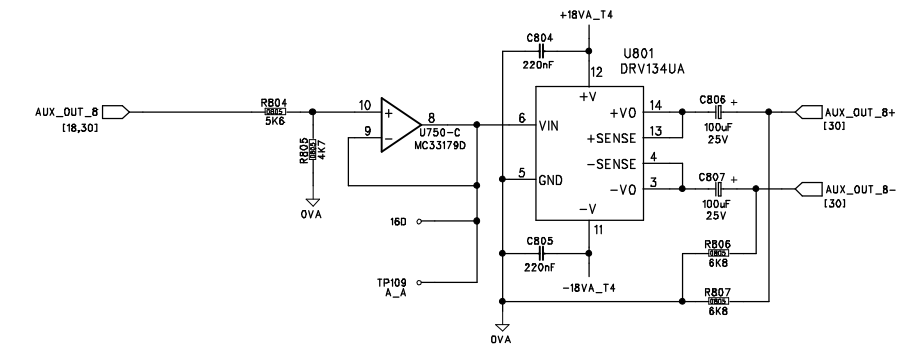
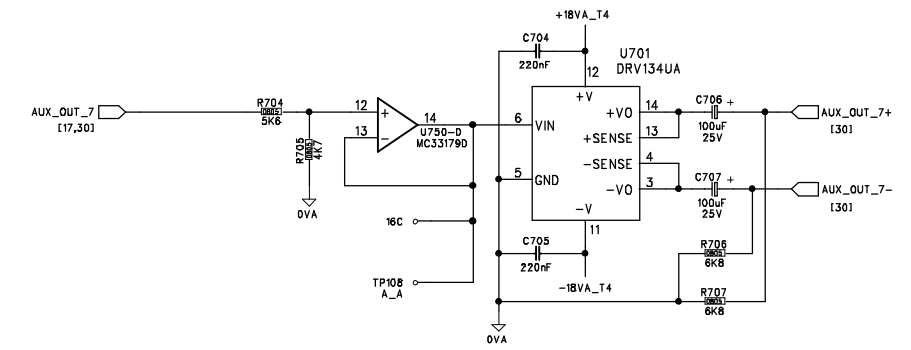
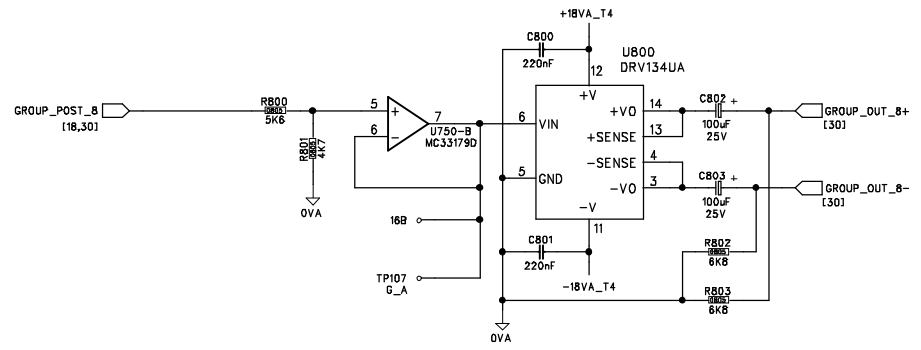
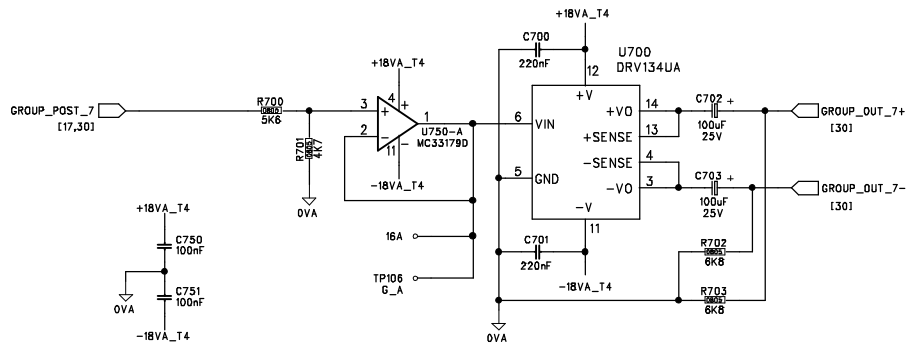
AMENDMENTS ISS. INT. DATE.

BOARD No. V0011 BOARD Iss. 2

CHECKED:

SHEET Iss: 2.1

DRG No. PCX-V0011-2.1.sch



UNIT: VERONA

MIDAS AUDIO

TITLE: OUTPUT MODULE

DRAWN: AC/SM

DATE: 07-01-04

SHEET: 16 Of 31

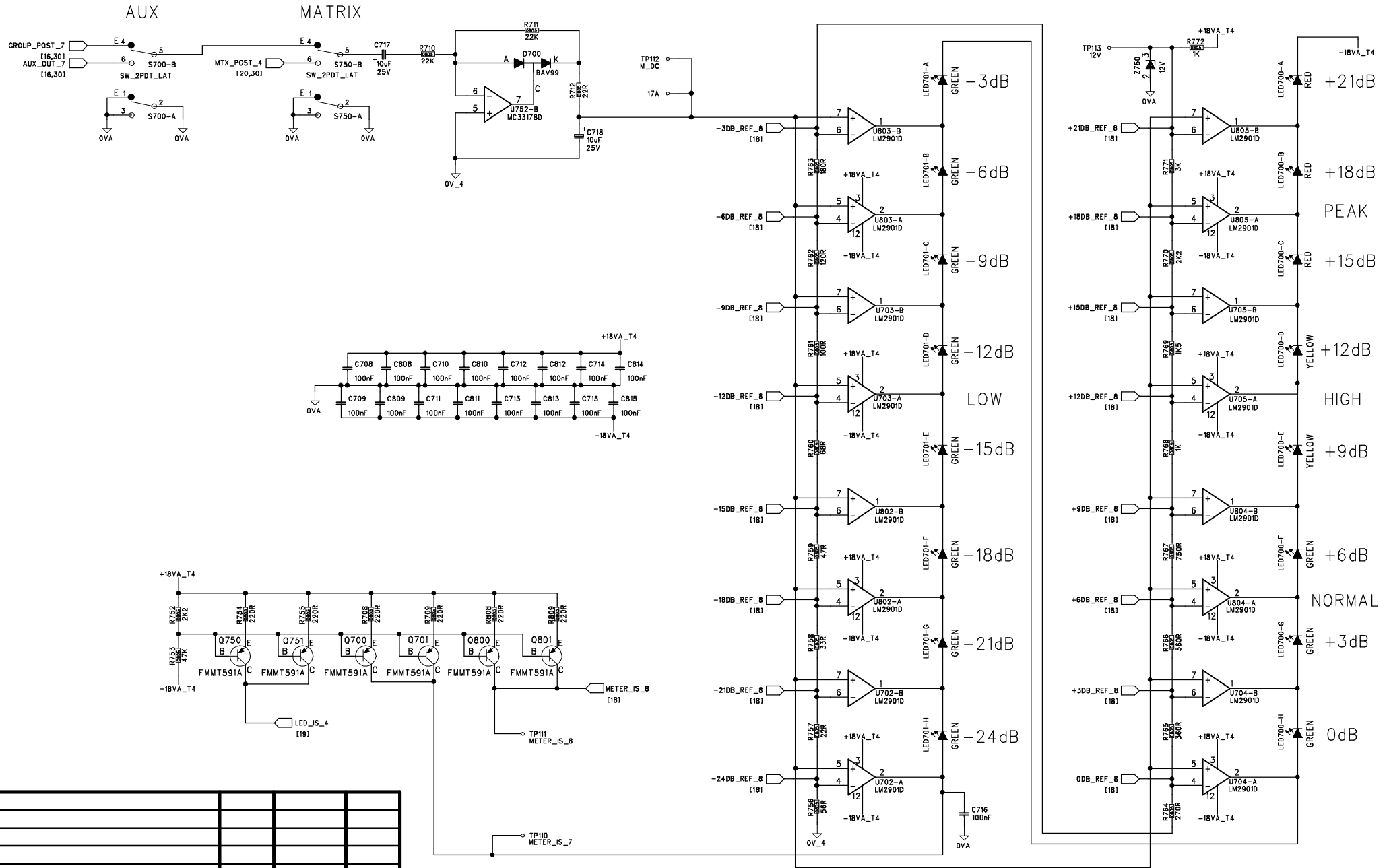
BOARD No. V0011 BOARD Iss. 2

CHECKED:

SHEET Iss: 2.1

DRG No. PCX-V0011-2.1.sch

FOR CHANGES SEE ECN4385	2.1	AA	08-01-04
FOR CHANGES SEE ECN4278	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.



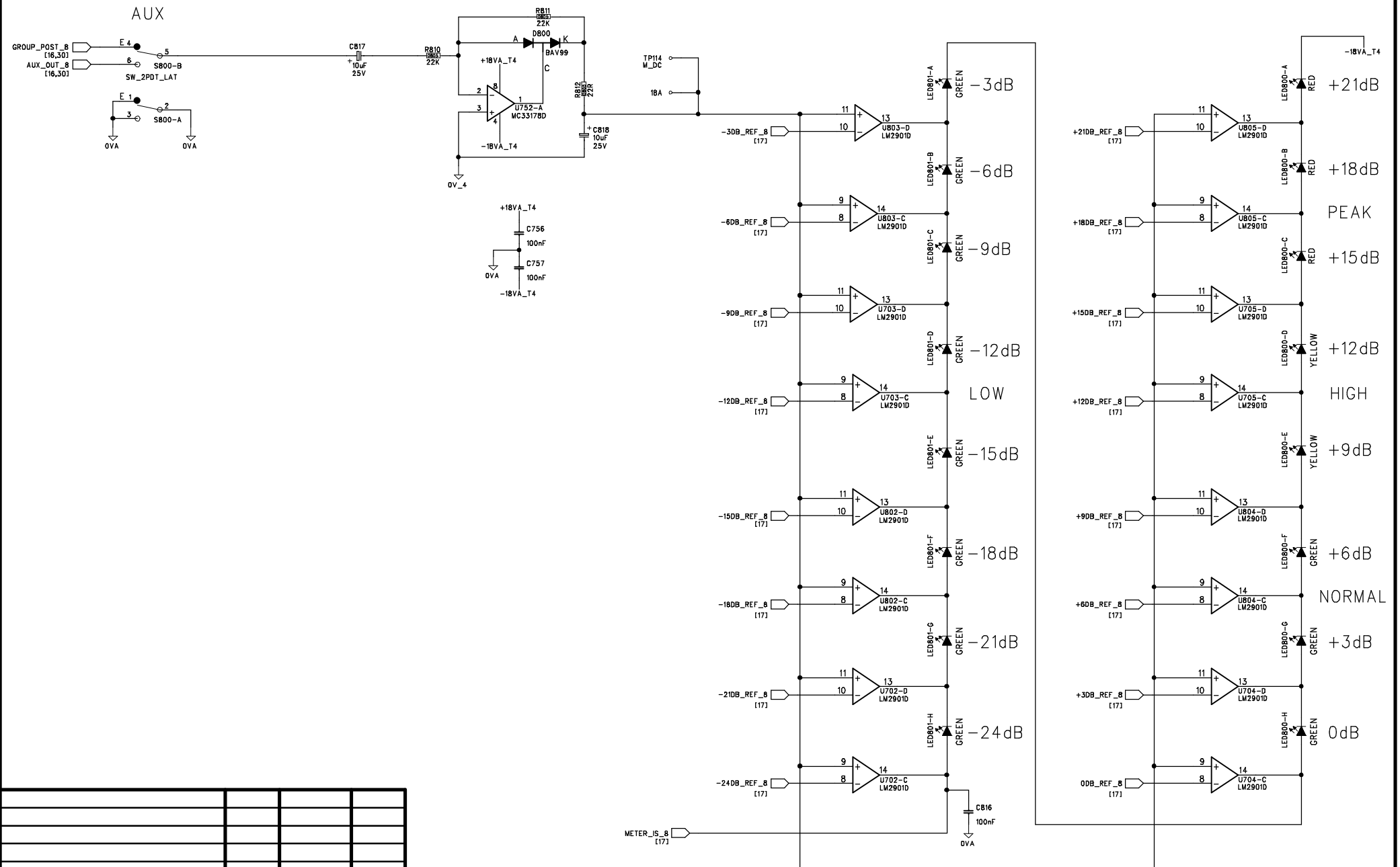
UNIT: VERONA

MIDAS AUDIO

FOR CHANGES SEE ECN4385	2.1	AA	08-01-04
FOR CHANGES SEE ECN4278	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

TITLE: OUTPUT MODULE
 BOARD No. V0011 BOARD Iss. 2

DRAWN: AC/SM	DATE: 07-01-04	SHEET: 17 Of 31
CHECKED:	SHEET Iss: 2.1	DRG No. PCX-V0011-2.1.sch



UNIT: VERONA

MIDAS AUDIO

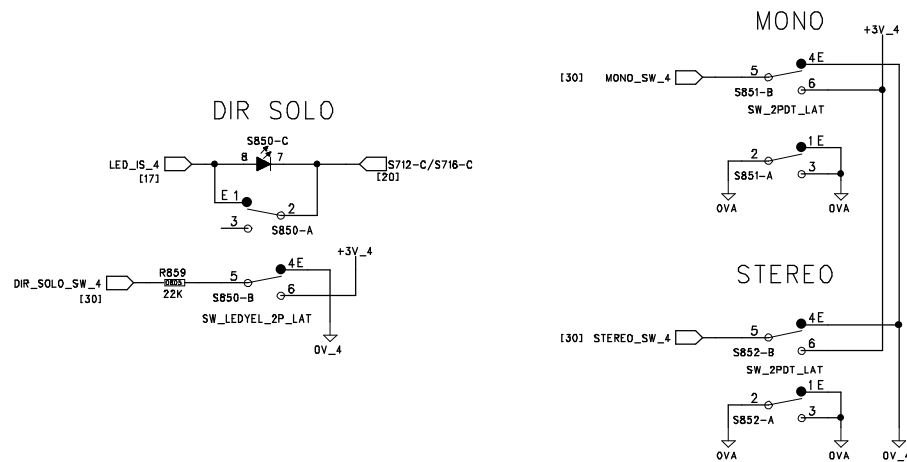
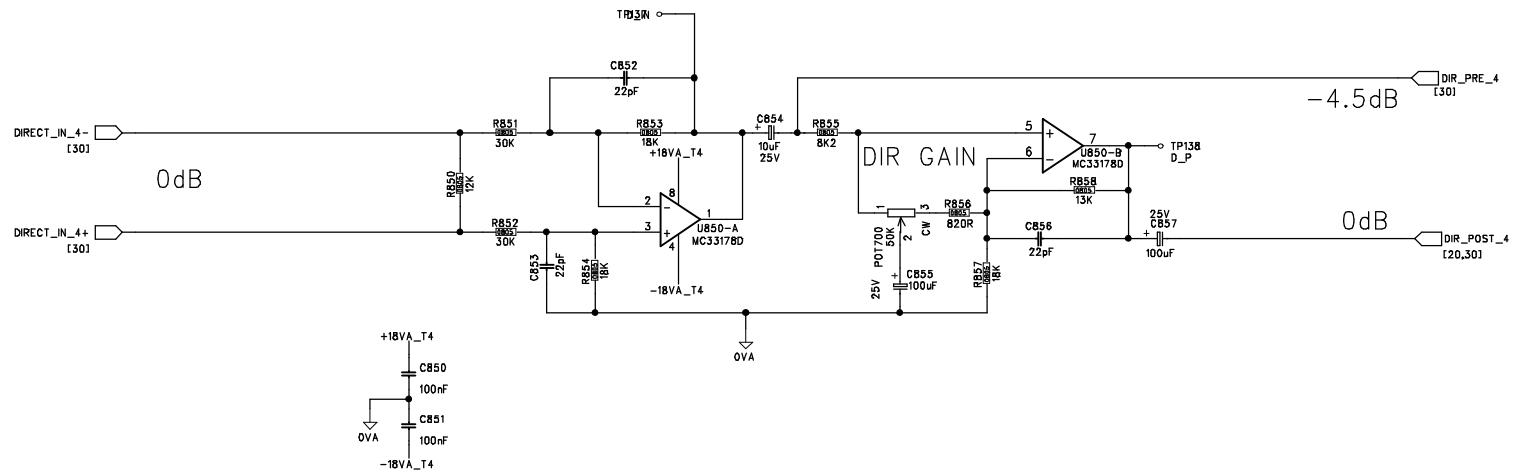
FOR CHANGES SEE ECN4385	2.1	AA	08-01-04
FOR CHANGES SEE ECN4278	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

TITLE: OUTPUT MODULE
BOARD No. V0011 BOARD Iss. 2

DRAWN: AC/SM
CHECKED:

DATE: 07-01-04
SHEET Iss: 2.1

SHEET: 18 Of 31
DRG No. PCX-V0011-2.1.sch



UNIT: VERONA

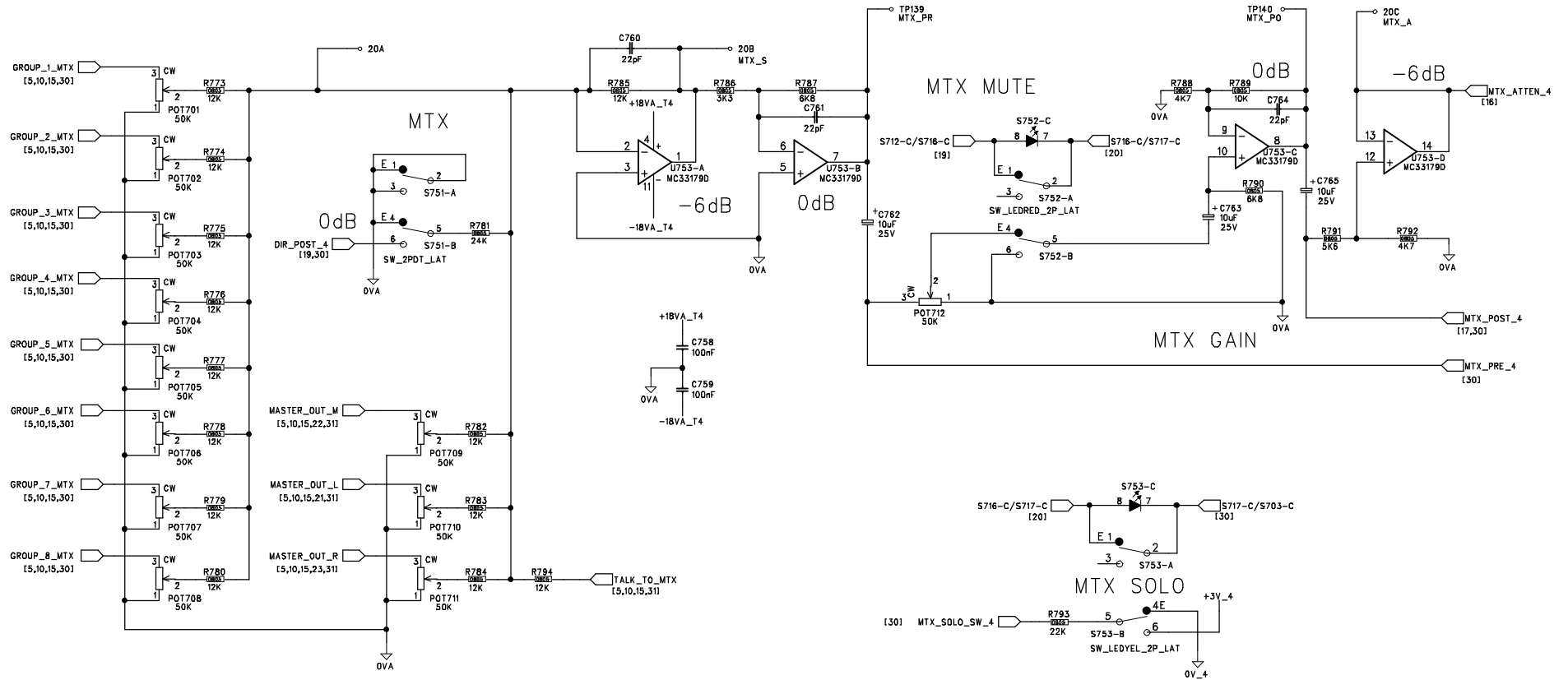
MIDAS AUDIO

FOR CHANGES SEE ECN4385	2.1	AA	08-01-04
FOR CHANGES SEE ECN4278	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

TITLE: OUTPUT MODULE

BOARD No. V0011 BOARD Iss. 2

DRAWN: AC/SM	DATE: 07-01-04	SHEET: 19 Of 31
CHECKED:	SHEET Iss: 2.1	DRG No. PCX-V0011-2.1.sch



UNIT: VERONA

MIDAS AUDIO

FOR CHANGES SEE ECN4385 2.1 AA 08-01-04

TITLE: OUTPUT MODULE

DRAWN: AC/SM

DATE: 07-01-04

SHEET: 20 Of 31

FOR CHANGES SEE ECN4278 1.1 AA 31-10-03

BOARD No. V0011

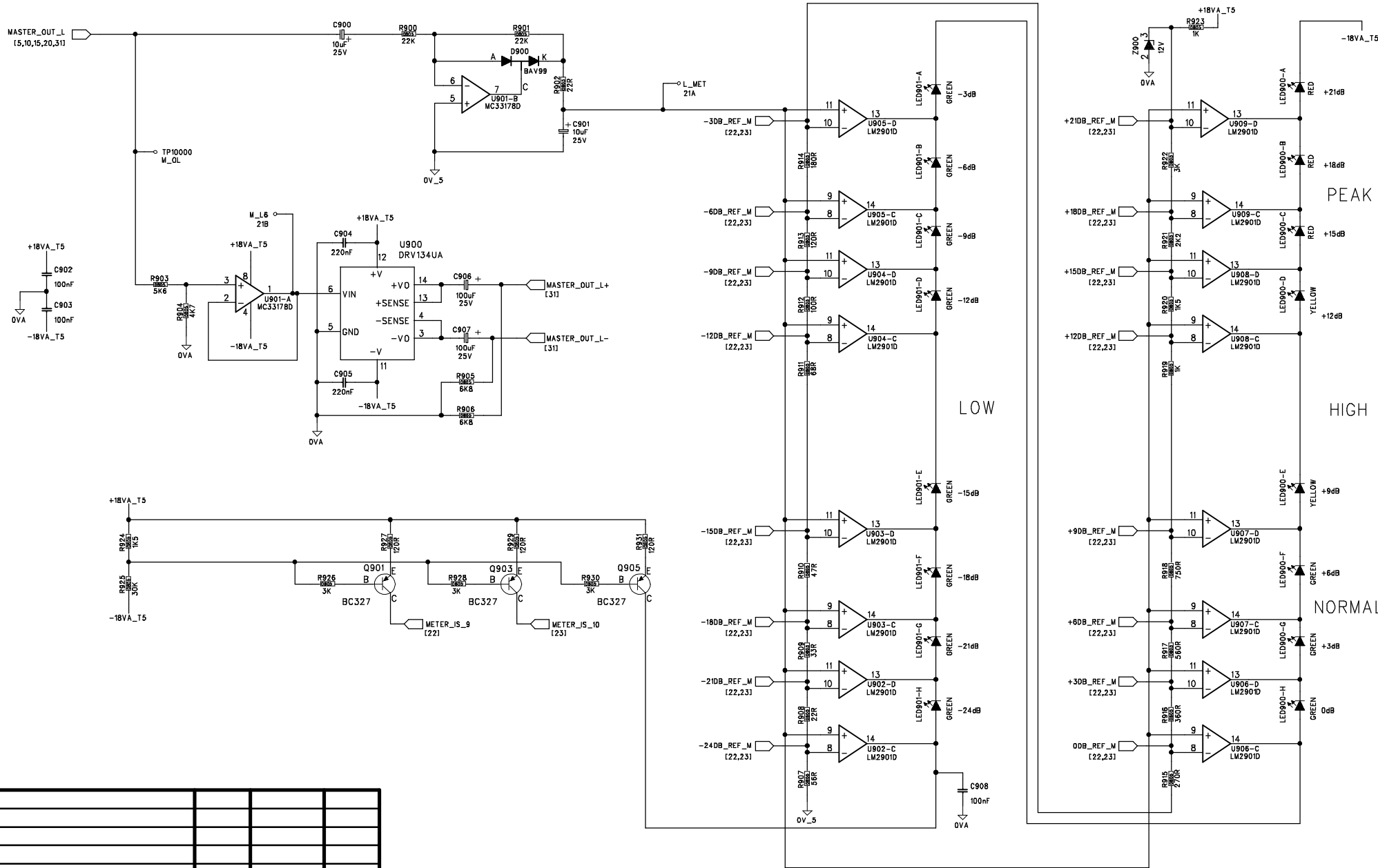
BOARD Iss. 2

CHECKED:

SHEET Iss: 2.1

DRG No. PCX-V0011-2.1.sch

AMENDMENTS ISS. INT. DATE.



UNIT: VERONA

MIDAS AUDIO

FOR CHANGES SEE ECN43B5	2.1	AA	08-01-04
FOR CHANGES SEE ECN4278	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

TITLE: OUTPUT MODULE
 BOARD No. V0011 BOARD Iss. 2

DRAWN: AC

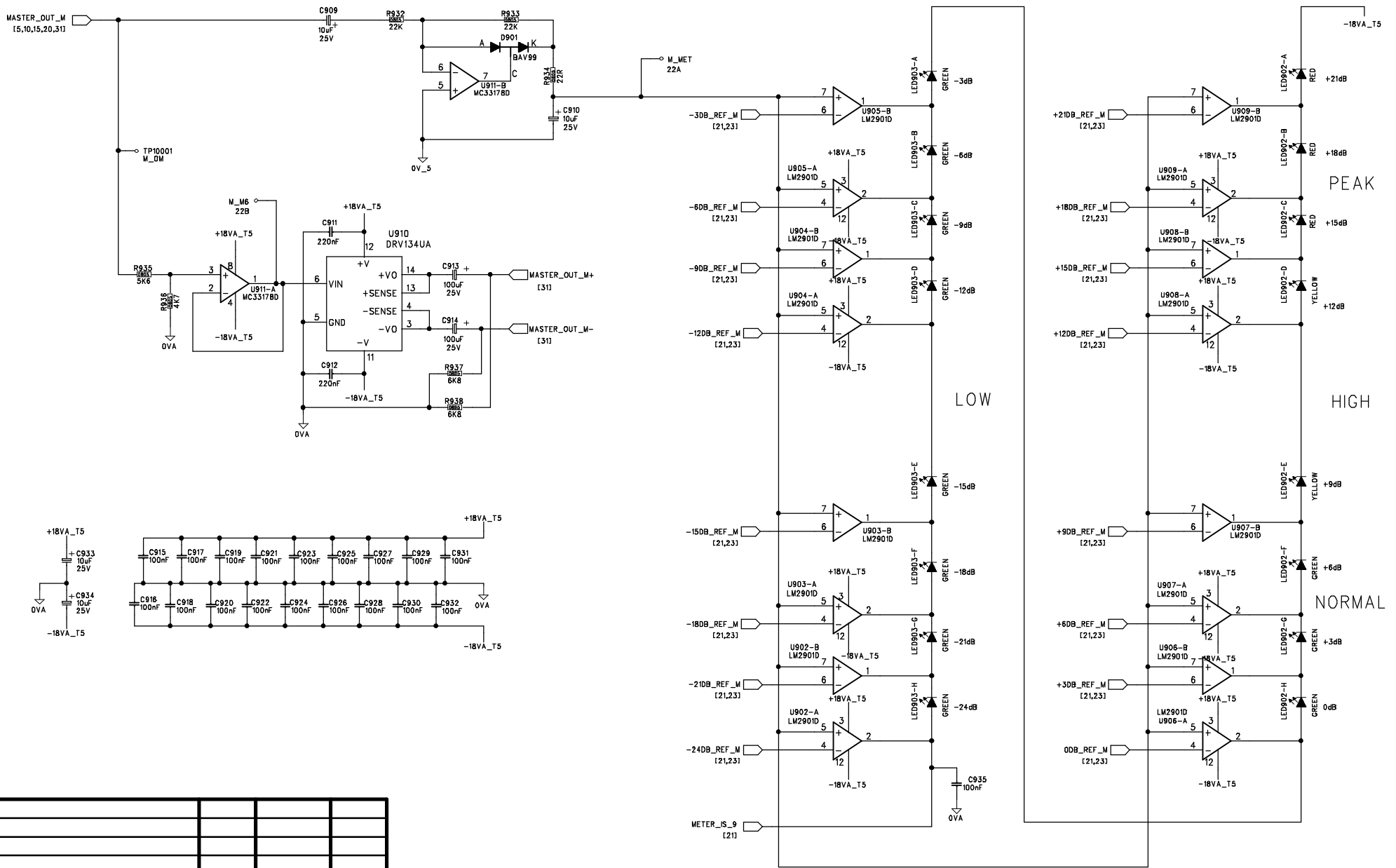
DATE: 07-01-04

SHEET: 21 Of 31

CHECKED:

SHEET Iss: 2.1

DRG No. PCX-V0011-2.1.sch



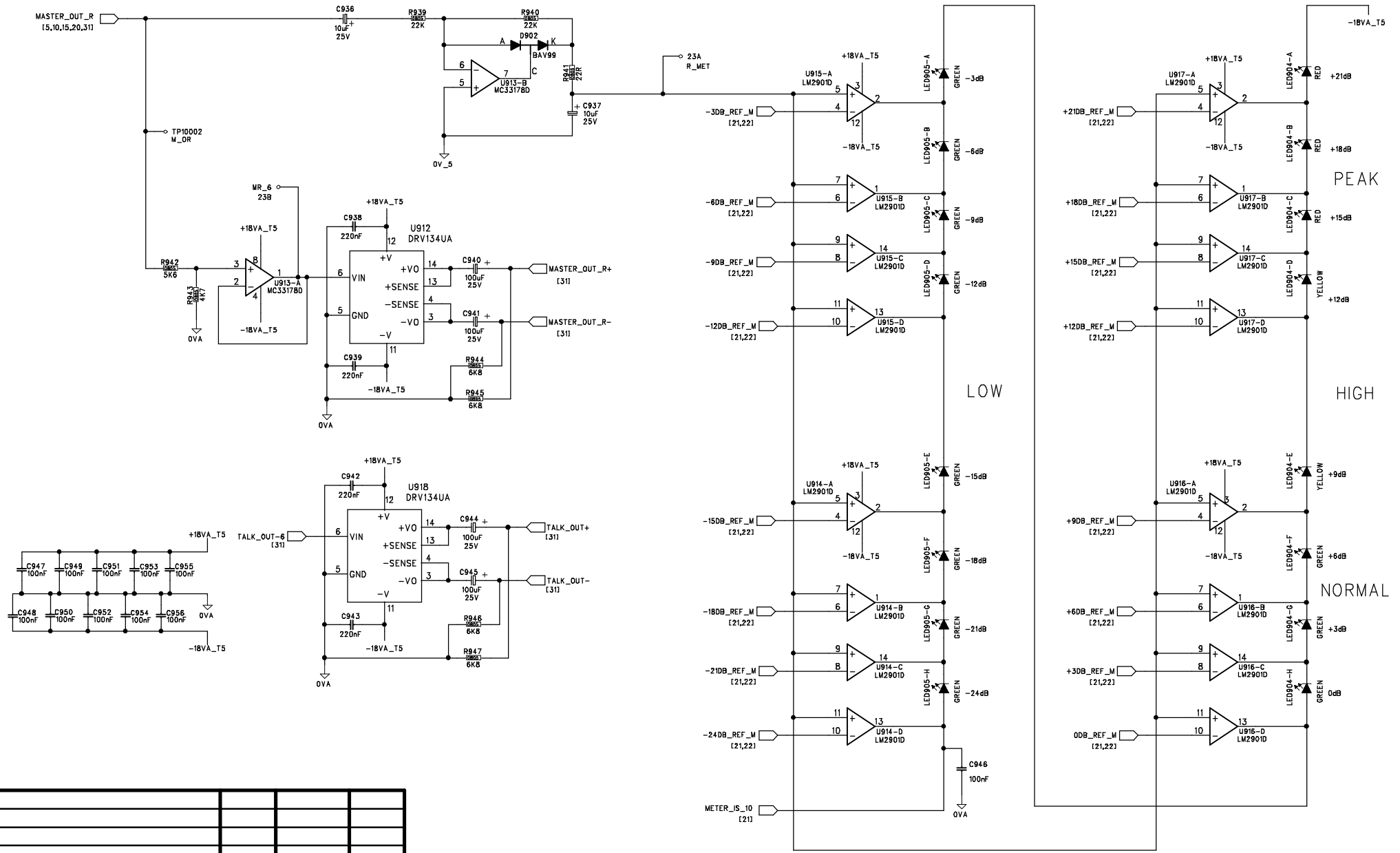
UNIT: VERONA

MIDAS AUDIO

FOR CHANGES SEE ECN43B5	2.1	AA	08-01-04
FOR CHANGES SEE ECN4278	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

TITLE: OUTPUT MODULE	BOARD No. V0011	BOARD Iss. 2
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DRAWN: AC	DATE: 07-01-04	SHEET: 22 Of 31
CHECKED:	SHEET Iss: 2.1	DRG No. PCX-V0011-2.1.sch



UNIT: VERONA

MIDAS AUDIO

FOR CHANGES SEE ECN4385	2.1	AA	08-01-04
FOR CHANGES SEE ECN4278	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

TITLE: OUTPUT MODULE

DRAWN: AC

DATE: 07-01-04

SHEET: 23 Of 31

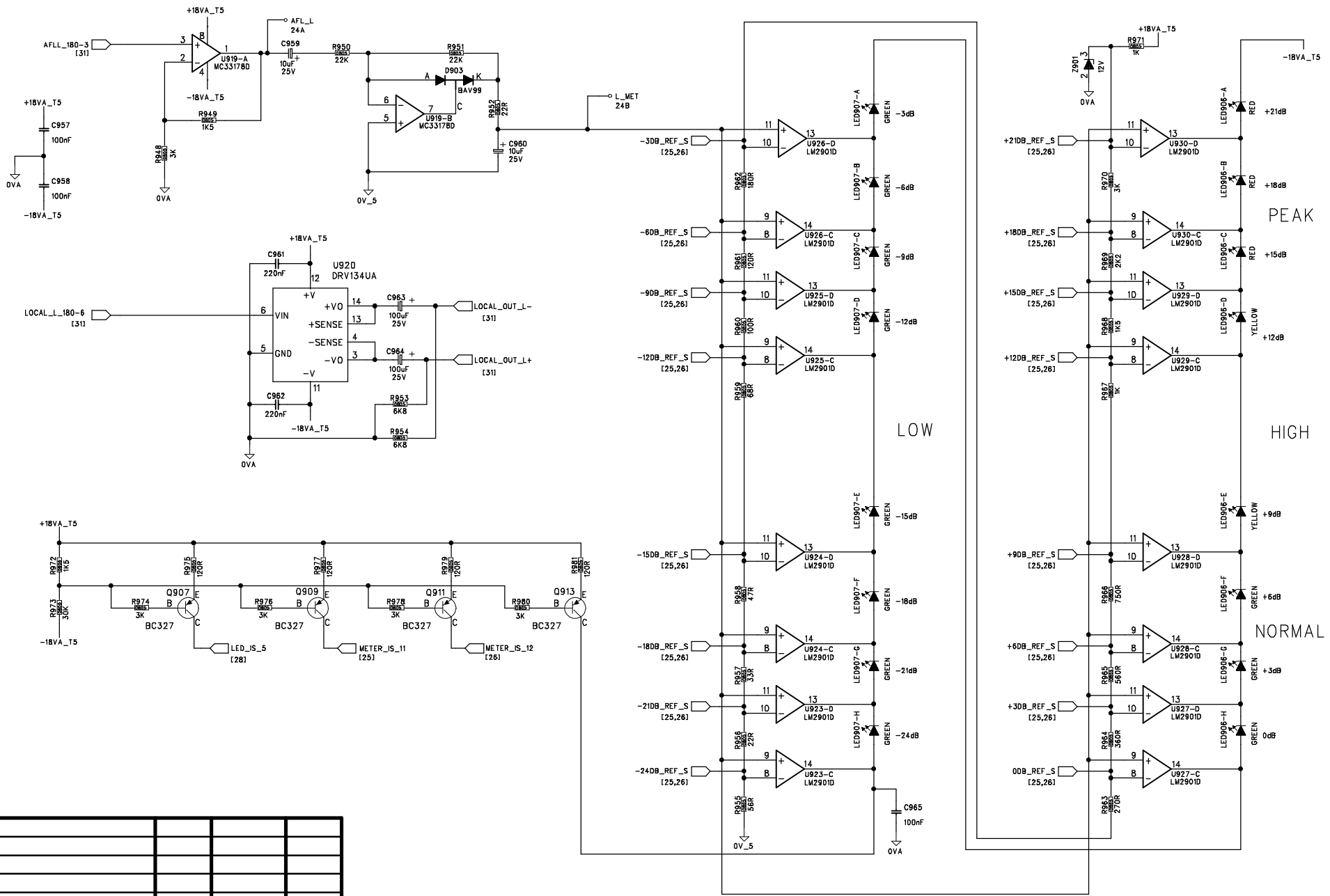
BOARD No. V0011

BOARD Iss. 2

CHECKED:

SHEET Iss: 2.1

DRG No. PCX-V0011-2.1.sch



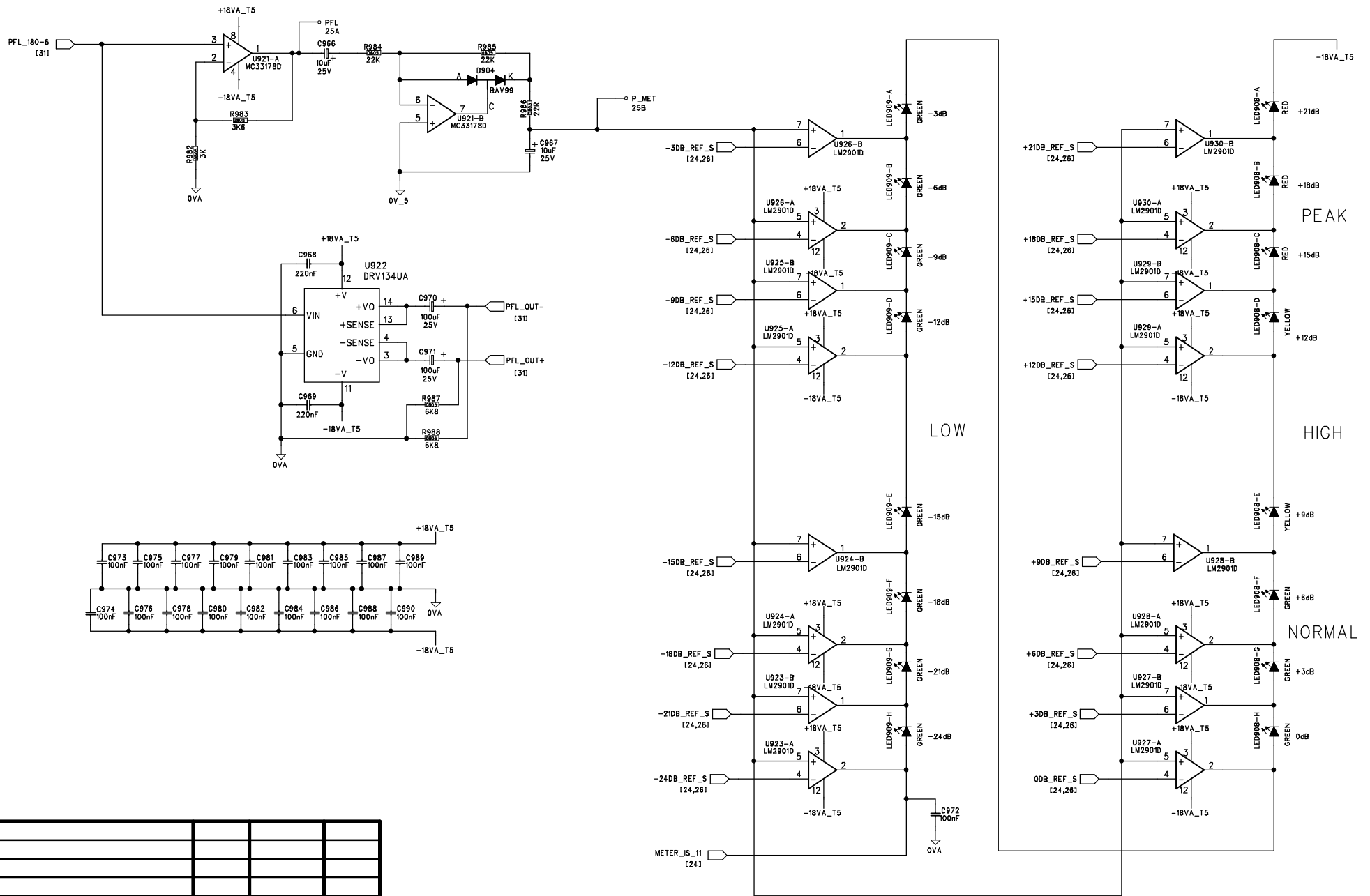
UNIT: VERONA

MIDAS AUDIO

FOR CHANGES SEE ECN43B5	2.1	AA	08-01-04
FOR CHANGES SEE ECN4278	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

TITLE: OUTPUT MODULE	BOARD No. V0011	BOARD Iss. 2
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DRAWN: AC	DATE: 07-01-04	SHEET: 24 Of 31
CHECKED:	SHEET Iss: 2.1	DRG No. PCX-V0011-2.1.sch



UNIT: VERONA

MIDAS AUDIO

FOR CHANGES SEE ECN43B5	2.1	AA	08-01-04
FOR CHANGES SEE ECN4278	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

TITLE: OUTPUT MODULE

DRAWN: AC

DATE: 07-01-04

SHEET: 25 Of 31

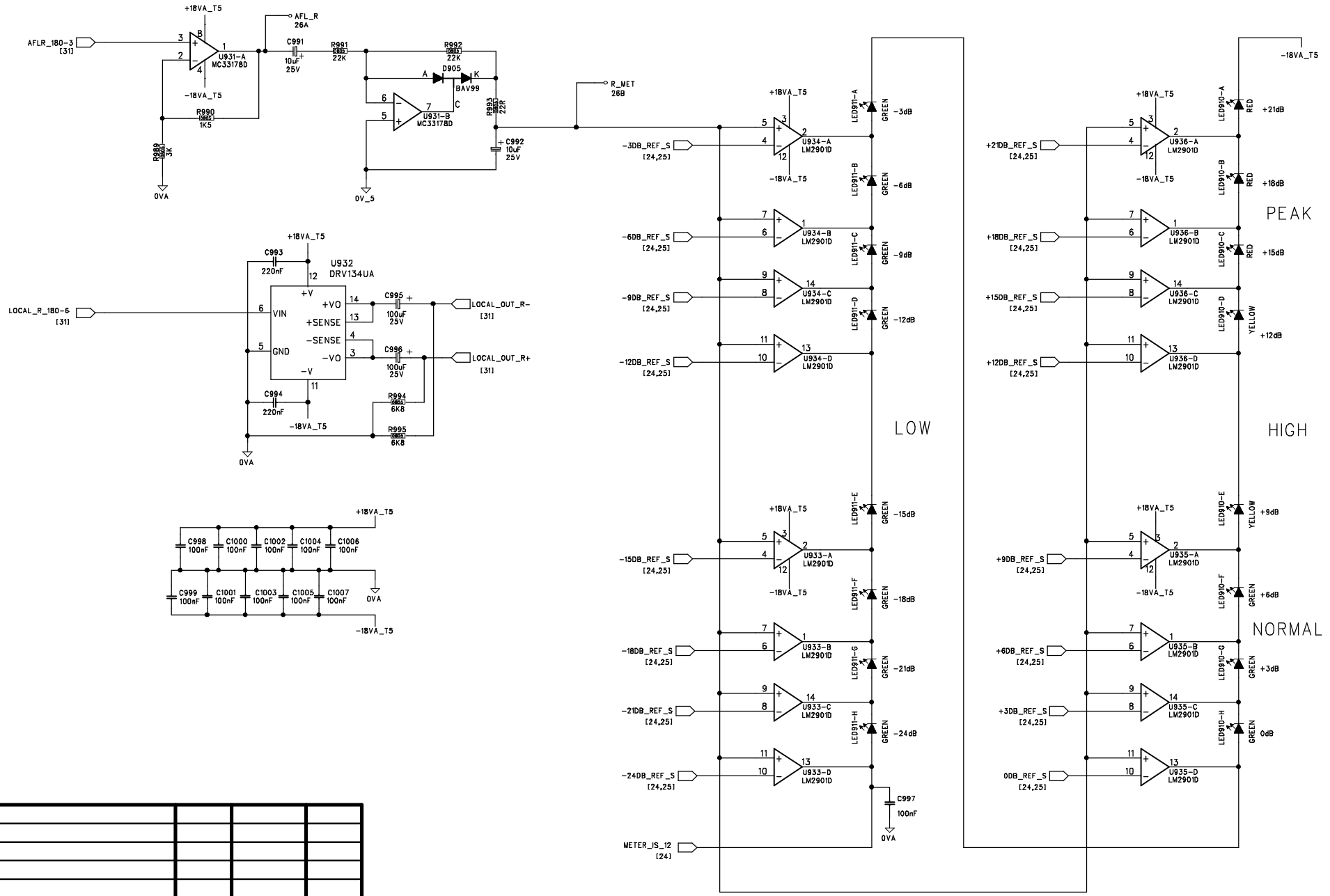
BOARD No. V0011

BOARD Iss. 2

CHECKED:

SHEET Iss: 2.1

DRG No. PCX-V0011-2.1.sch



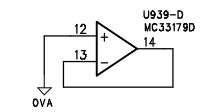
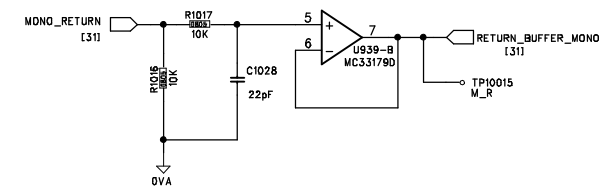
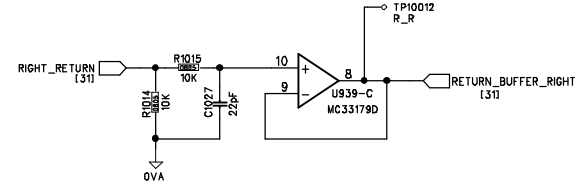
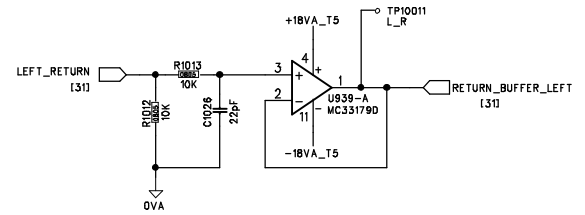
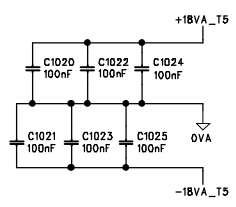
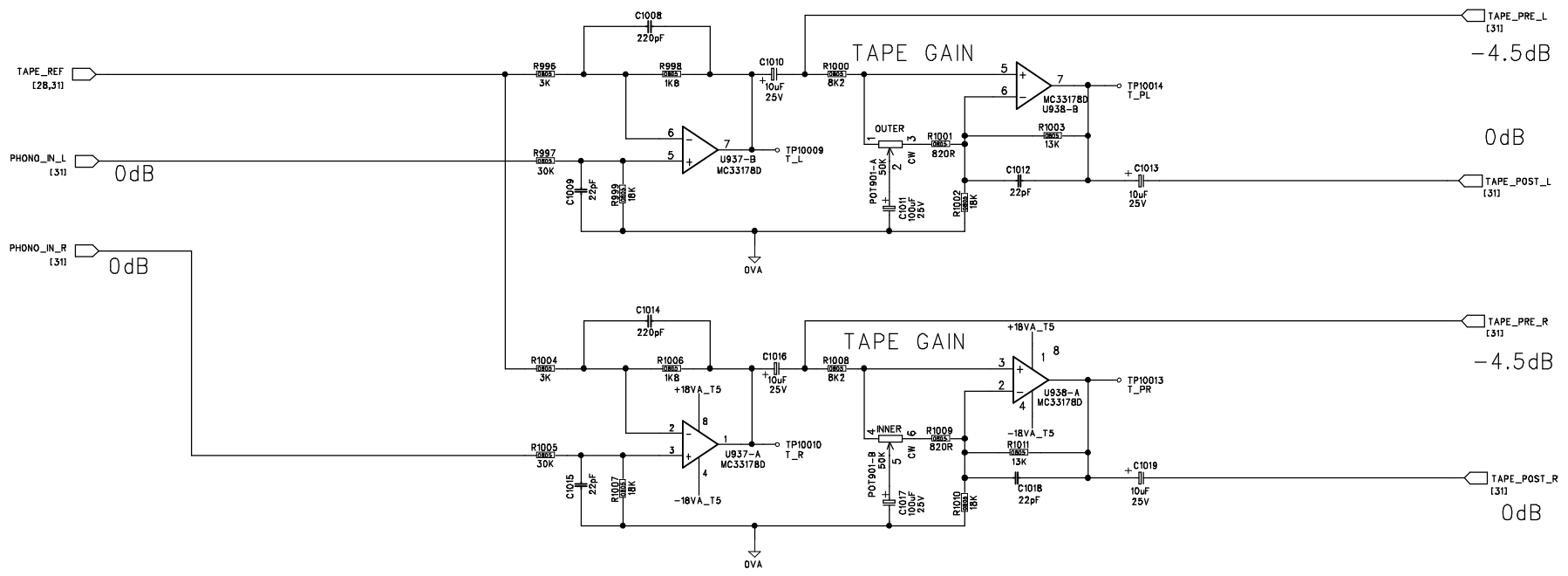
UNIT: VERONA

MIDAS AUDIO

FOR CHANGES SEE ECN43B5	2.1	AA	08-01-04
FOR CHANGES SEE ECN427B	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

TITLE: OUTPUT MODULE	BOARD No. V0011	BOARD Iss. 2
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DRAWN: AC	DATE: 07-01-04	SHEET: 26 Of 31
CHECKED:	SHEET Iss: 2.1	DRG No. PCX-V0011-2.1.sch



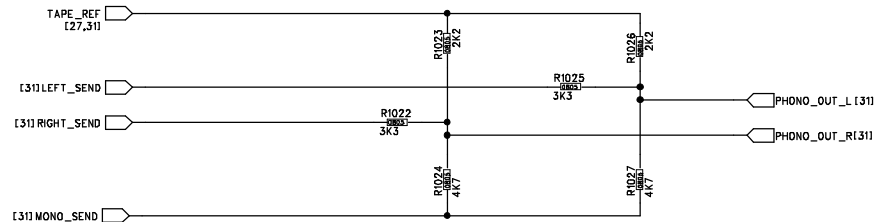
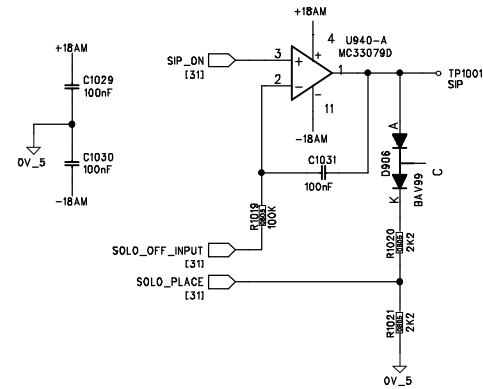
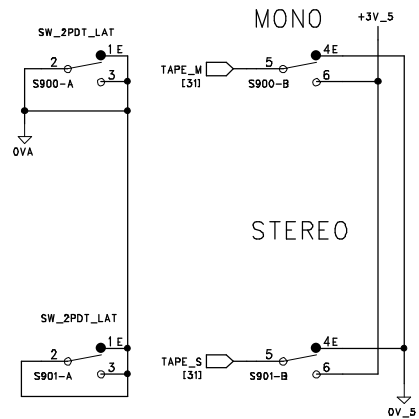
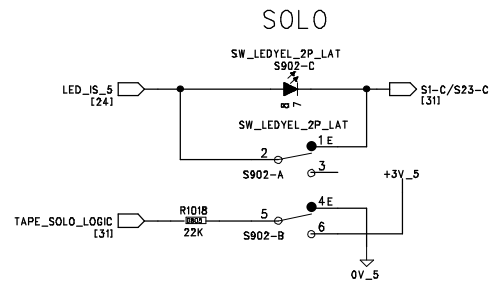
UNIT: VERONA

MIDAS AUDIO

FOR CHANGES SEE ECN43B5	2.1	AA	08-01-04
FOR CHANGES SEE ECN4278	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

TITLE: OUTPUT MODULE	BOARD No. V0011	BOARD Iss. 2
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DRAWN: AC	DATE: 07-01-04	SHEET: 27 Of 31
CHECKED:	SHEET Iss: 2.1	DRG No. PCX-V0011-2.1.sch



UNIT: VERONA

MIDAS AUDIO

FOR CHANGES SEE ECN4385 2.1 AA 08-01-04

TITLE: OUTPUT MODULE

DRAWN: AC

DATE: 07-01-04

SHEET: 28 Of 31

FOR CHANGES SEE ECN4278 1.1 AA 31-10-03

BOARD No. V0011

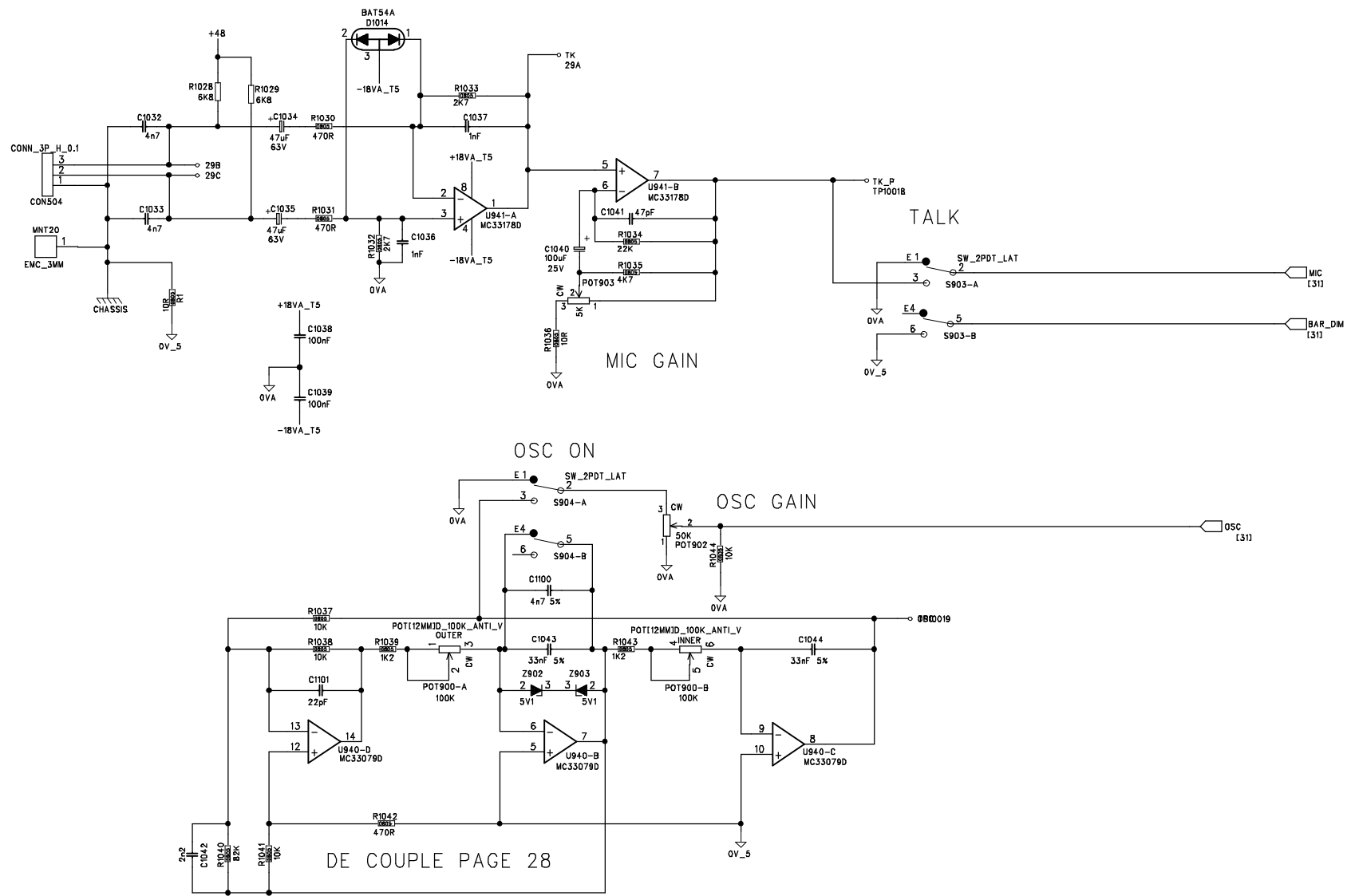
BOARD Iss. 2

CHECKED:

SHEET Iss: 2.1

DRG No. PCX-V0011-2.1.sch

AMENDMENTS ISS. INIT. DATE.



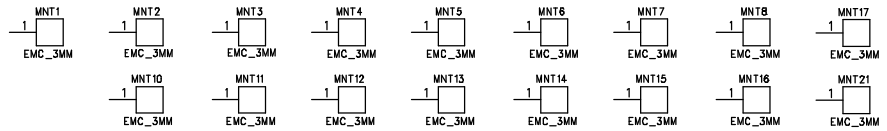
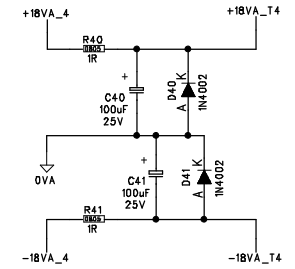
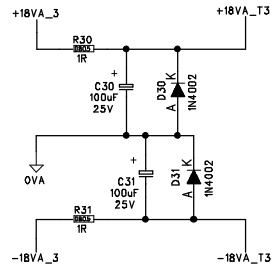
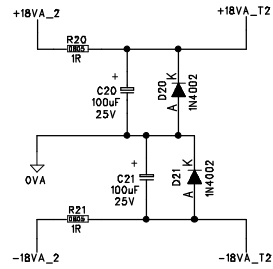
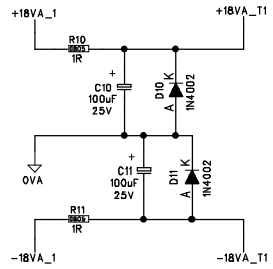
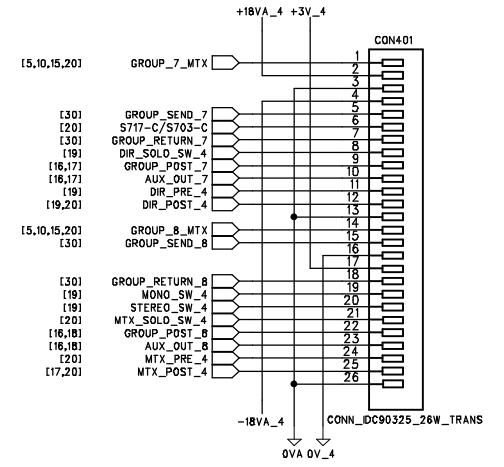
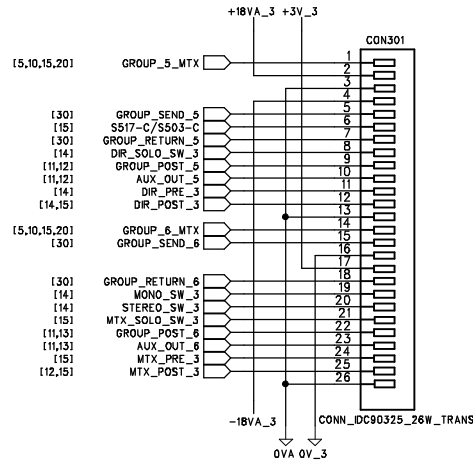
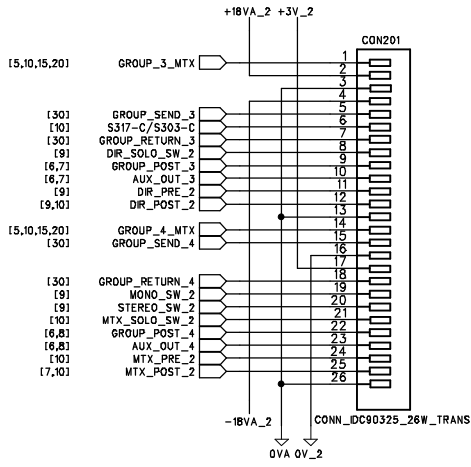
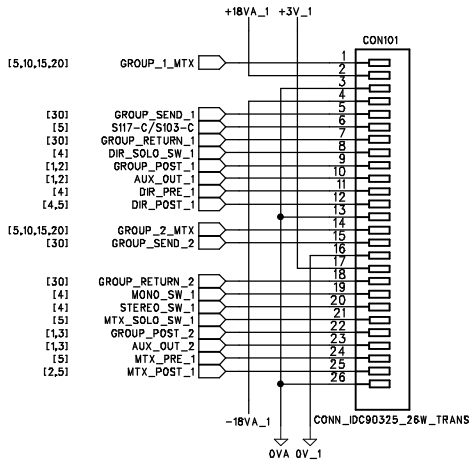
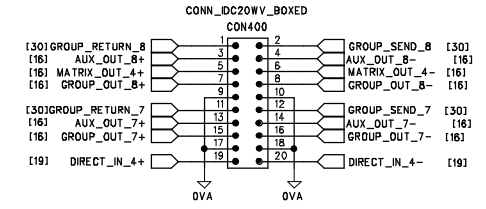
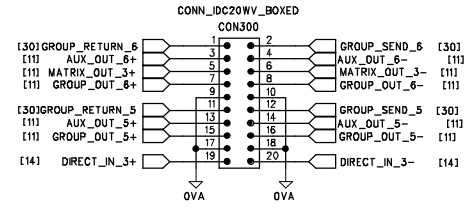
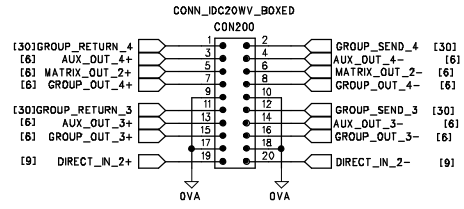
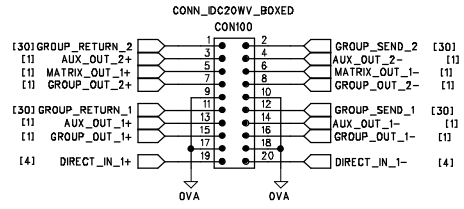
UNIT: VERONA

MIDAS AUDIO

FOR CHANGES SEE ECN43B5	2.1	AA	08-01-04
FOR CHANGES SEE ECN427B	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

TITLE: OUTPUT MODULE	BOARD No. V0011	BOARD Iss. 2
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DRAWN: AC	DATE: 07-01-04	SHEET: 29 Of 31
CHECKED:	SHEET Iss: 2.1	DRG No. PCX-V0011-2.1.sch



UNIT: VERONA

MIDAS AUDIO

TITLE: OUTPUT MODULE

DRAWN: AC/SM

DATE: 07-01-04

SHEET: 30 Of 31

BOARD No. V0011

BOARD Iss. 2

CHECKED:

SHEET Iss: 2.1

DRG No. PCX-V0011-2.1.sch

FOR CHANGES SEE ECN4385

2.1

AA

08-01-04

FOR CHANGES SEE ECN4278

1.1

AA

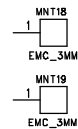
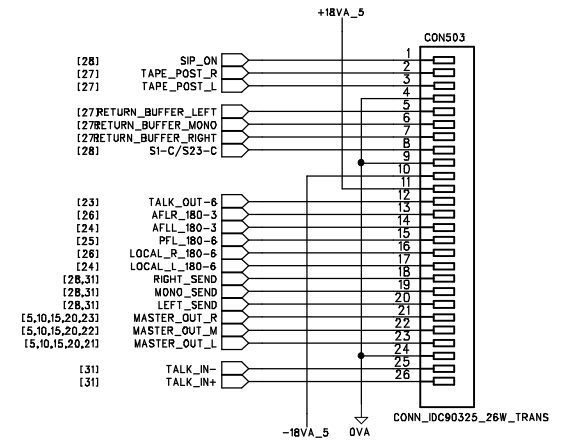
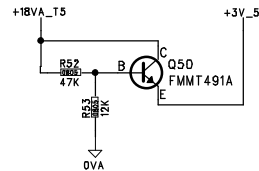
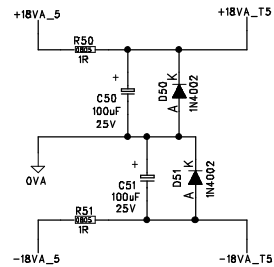
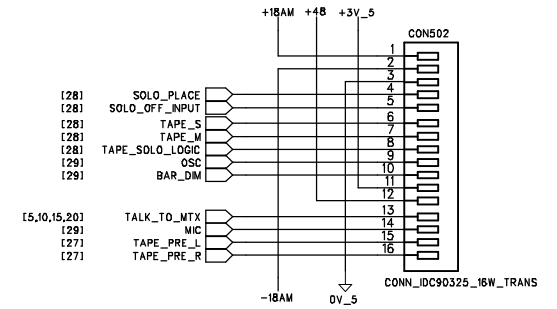
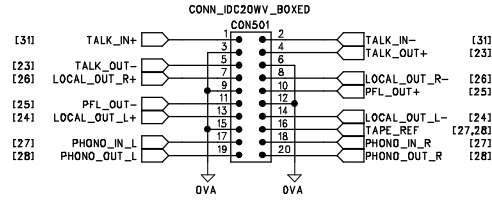
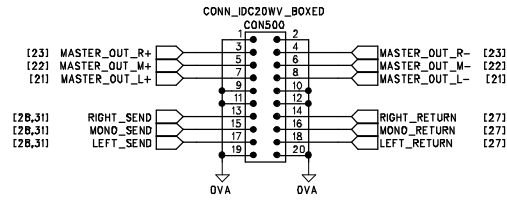
31-10-03

AMENDMENTS

ISS.

INIT.

DATE.



UNIT: VERONA

MIDAS AUDIO

FOR CHANGES SEE ECN4385	2.1	AA	08-01-04
FOR CHANGES SEE ECN4278	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

TITLE: OUTPUT MODULE

DRAWN: AC/SM

DATE: 07-01-04

SHEET: 31 Of 31

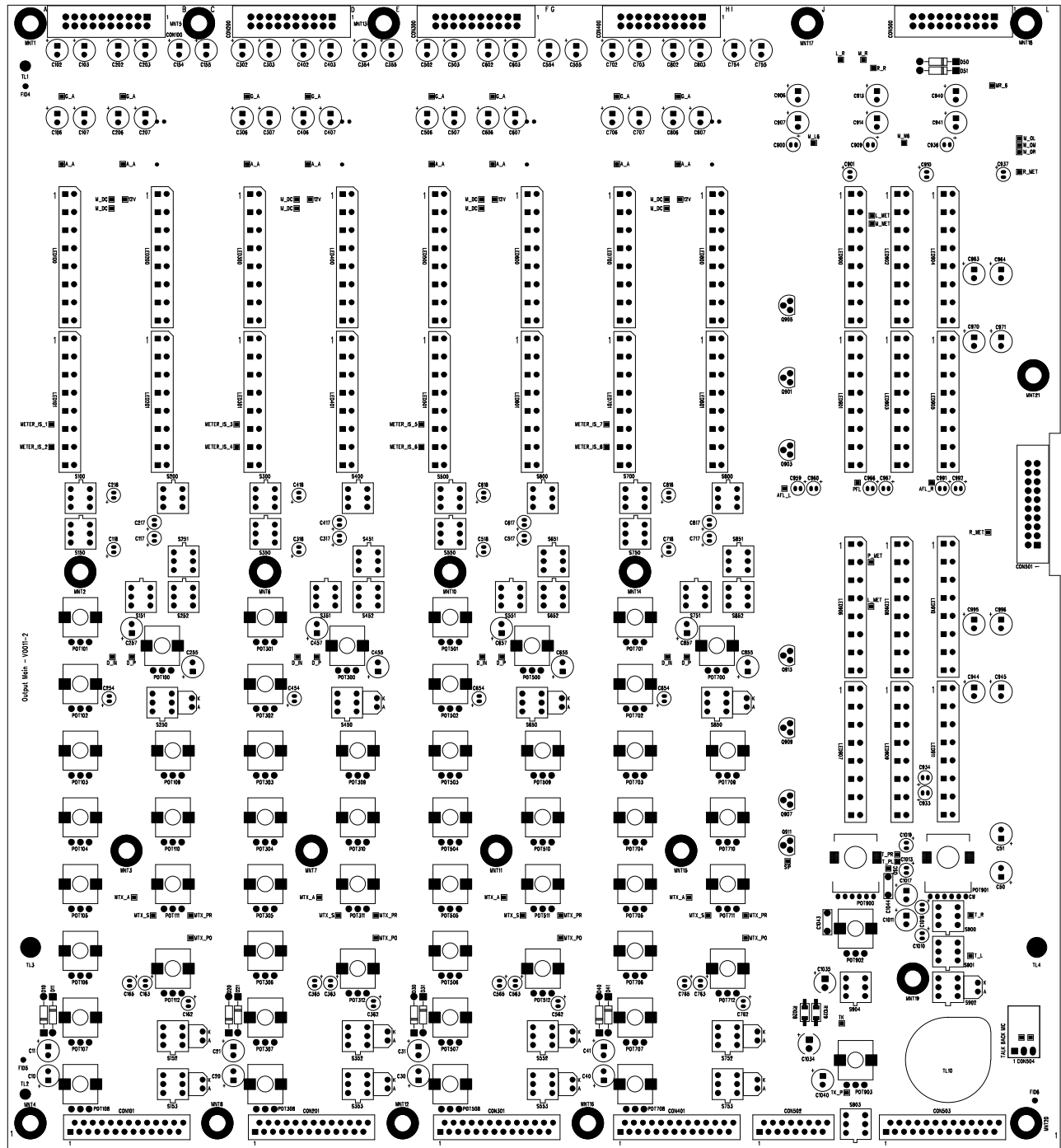
BOARD No. V0011

BOARD Iss. 2

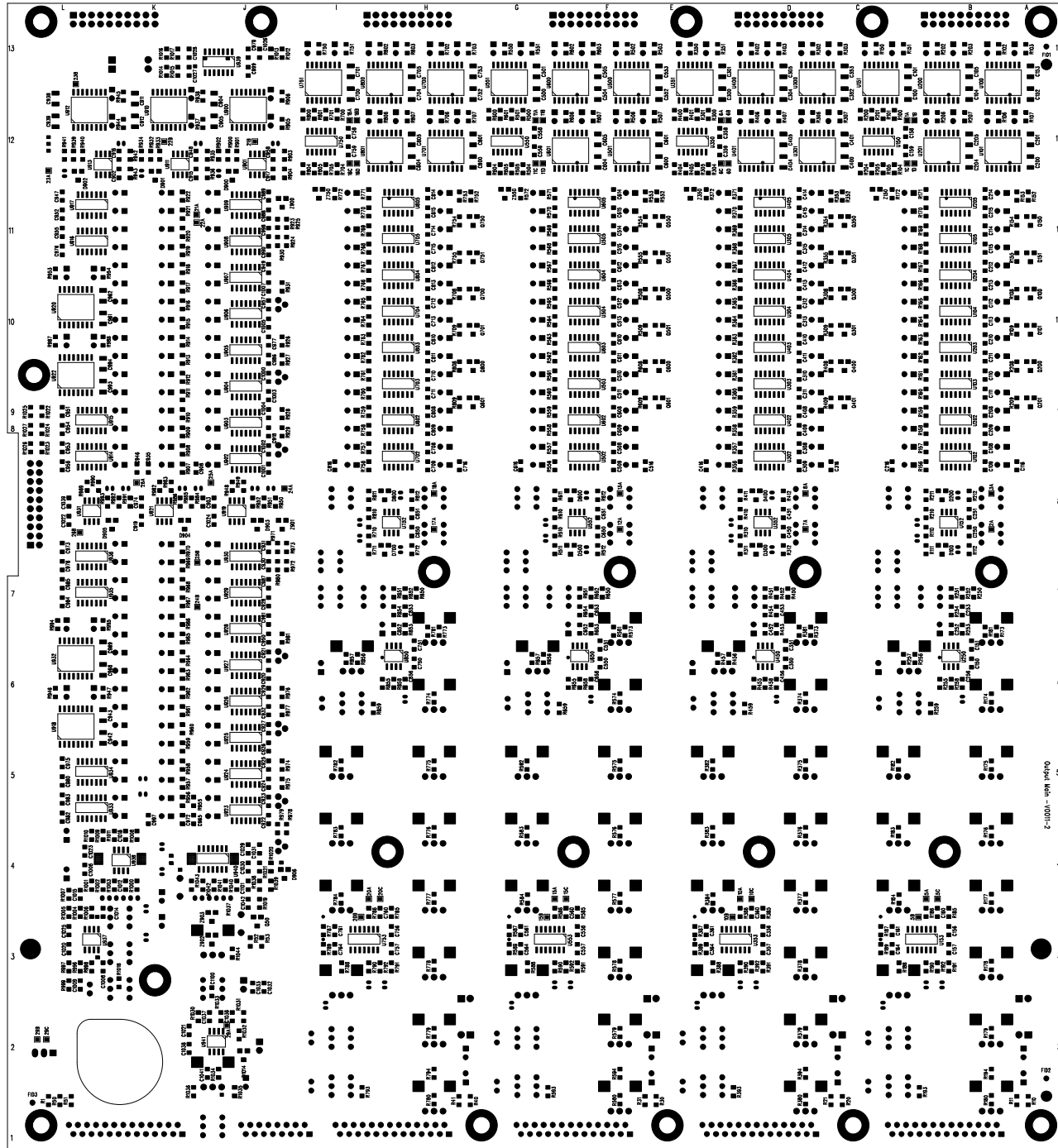
CHECKED:

SHEET Iss: 2.1

DRG No. PCX-V0011-2.1.sch



D:\pcx\Main - V0011-2



Output: Mch - V0011-2

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
1A	Bottom	B12
1B	Bottom	B12
1C	Bottom	B11
1D	Bottom	B11
2A	Bottom	A7
3A	Bottom	A8
5A	Bottom	B3
5B	Bottom	B3
5C	Bottom	B3
6A	Bottom	D12
6B	Bottom	D12
6C	Bottom	D11
6D	Bottom	D11
7A	Bottom	C7
8A	Bottom	C8
10A	Bottom	D3
10B	Bottom	D3
10C	Bottom	D3
11A	Bottom	F12
11B	Bottom	F12
11C	Bottom	F11
11D	Bottom	F11
12A	Bottom	E7
13A	Bottom	E8
15A	Bottom	F3
15B	Bottom	F3
15C	Bottom	F3
16A	Bottom	H12
16B	Bottom	H12
16C	Bottom	H11
16D	Bottom	H11
17A	Bottom	G7
18A	Bottom	G8
20A	Bottom	H3
20B	Bottom	H3
20C	Bottom	H3
21A	Bottom	J11
21B	Bottom	I12
22A	Bottom	J11
22B	Bottom	J12
23A	Bottom	L11
23B	Bottom	K12
24A	Bottom	I8
24B	Bottom	J6
25A	Bottom	J8
25B	Bottom	J7
26A	Bottom	K8
26B	Bottom	K7
29A	Bottom	J2
29B	Bottom	L2
29C	Bottom	L2
C10	Top	A1
C11	Top	A1
C20	Top	C1
C21	Top	C1

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
C30	Top	E1
C31	Top	E1
C40	Top	G1
C41	Top	G1
C50	Top	K3
C51	Top	K4
C100	Bottom	B12
C101	Bottom	B12
C102	Top	A13
C103	Top	A13
C104	Bottom	A12
C105	Bottom	A12
C106	Top	A12
C107	Top	A12
C108	Bottom	A8
C109	Bottom	A8
C110	Bottom	A9
C111	Bottom	A9
C112	Bottom	A10
C113	Bottom	A10
C114	Bottom	A11
C115	Bottom	A10
C116	Bottom	A8
C117	Top	B7
C118	Top	B7
C150	Bottom	A6
C151	Bottom	A6
C152	Bottom	A12
C153	Bottom	A12
C154	Top	B13
C155	Top	C13
C156	Bottom	B3
C157	Bottom	B3
C158	Bottom	B12
C159	Bottom	B11
C160	Bottom	B3
C161	Bottom	B3
C162	Top	B2
C163	Top	B2
C164	Bottom	B3
C165	Top	B2
C200	Bottom	A11
C201	Bottom	A12
C202	Top	B13
C203	Top	B13
C204	Bottom	A11
C205	Bottom	A12
C206	Top	B12
C207	Top	B12
C208	Bottom	A9
C209	Bottom	A8
C210	Bottom	A9
C211	Bottom	A9
C212	Bottom	A10
C213	Bottom	A10

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
C214	Bottom	A11
C215	Bottom	A11
C216	Bottom	B8
C217	Top	B7
C218	Top	B8
C250	Bottom	A7
C251	Bottom	A7
C252	Bottom	B6
C253	Bottom	B6
C254	Top	B5
C255	Top	B6
C256	Bottom	B6
C257	Top	B6
C300	Bottom	D12
C301	Bottom	D12
C302	Top	C13
C303	Top	C13
C304	Bottom	D12
C305	Bottom	D12
C306	Top	C12
C307	Top	C12
C308	Bottom	C8
C309	Bottom	C8
C310	Bottom	C9
C311	Bottom	C9
C312	Bottom	C10
C313	Bottom	C10
C314	Bottom	C11
C315	Bottom	C10
C316	Bottom	C8
C317	Top	D7
C318	Top	D7
C350	Bottom	C6
C351	Bottom	C6
C352	Bottom	C12
C353	Bottom	C12
C354	Top	D13
C355	Top	E13
C356	Bottom	D3
C357	Bottom	D3
C358	Bottom	D12
C359	Bottom	D11
C360	Bottom	D3
C361	Bottom	D3
C362	Top	D2
C363	Top	D2
C364	Bottom	D3
C365	Top	D2
C400	Bottom	C11
C401	Bottom	C12
C402	Top	D13
C403	Top	D13
C404	Bottom	D11
C405	Bottom	D12
C406	Top	D12

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
C407	Top	D12
C408	Bottom	C9
C409	Bottom	C8
C410	Bottom	C9
C411	Bottom	C9
C412	Bottom	C10
C413	Bottom	C10
C414	Bottom	C11
C415	Bottom	C11
C416	Bottom	D8
C417	Top	D7
C418	Top	D8
C450	Bottom	D7
C451	Bottom	D7
C452	Bottom	D6
C453	Bottom	D6
C454	Top	D5
C455	Top	E6
C456	Bottom	D6
C457	Top	D6
C500	Bottom	F12
C501	Bottom	F12
C502	Top	E13
C503	Top	E13
C504	Bottom	F12
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C512	Bottom	E10
C513	Bottom	E10
C514	Bottom	E11
C515	Bottom	E10
C516	Bottom	E8
C517	Top	F7
C518	Top	F7
C550	Bottom	F6
C551	Bottom	F6
C552	Bottom	E12
C553	Bottom	E12
C554	Top	F13
C555	Top	G13
C556	Bottom	F3
C557	Bottom	F3
C558	Bottom	F12
C559	Bottom	F11
C560	Bottom	F3
C561	Bottom	F3
C562	Top	F2
C563	Top	F2
C564	Bottom	F3
C565	Top	F2

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
C600	Bottom	E11
C601	Bottom	E12
C602	Top	F13
C603	Top	F13
C604	Bottom	F11
C605	Bottom	F12
C606	Top	F12
C607	Top	F12
C608	Bottom	E9
C609	Bottom	E8
C610	Bottom	E9
C611	Bottom	E9
C612	Bottom	E10
C613	Bottom	E10
C614	Bottom	E11
C615	Bottom	E11
C616	Bottom	F8
C617	Top	F7
C618	Top	F8
C650	Bottom	F7
C651	Bottom	F7
C652	Bottom	F6
C653	Bottom	F6
C654	Top	F5
C655	Top	G6
C656	Bottom	F6
C657	Top	F6
C700	Bottom	H12
C701	Bottom	H12
C702	Top	G13
C703	Top	G13
C704	Bottom	H12
C705	Bottom	H12
C706	Top	G12
C707	Top	G12
C708	Bottom	G8
C709	Bottom	G8
C710	Bottom	G9
C711	Bottom	G9
C712	Bottom	G10
C713	Bottom	G10
C714	Bottom	G11
C715	Bottom	G10
C716	Bottom	G8
C717	Top	H7
C718	Top	H7
C750	Bottom	H6
C751	Bottom	H6
C752	Bottom	G12
C753	Bottom	G12
C754	Top	H13
C755	Top	I13
C756	Bottom	H3
C757	Bottom	H3
C758	Bottom	H12

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
C759	Bottom	H11
C760	Bottom	H3
C761	Bottom	H3
C762	Top	I2
C763	Top	H2
C764	Bottom	H3
C765	Top	H2
C800	Bottom	G11
C801	Bottom	G12
C802	Top	H13
C803	Top	H13
C804	Bottom	H11
C805	Bottom	H12
C806	Top	H12
C807	Top	H12
C808	Bottom	G9
C809	Bottom	G8
C810	Bottom	G9
C811	Bottom	G9
C812	Bottom	G10
C813	Bottom	G10
C814	Bottom	G11
C815	Bottom	G11
C816	Bottom	H8
C817	Top	H7
C818	Top	H8
C850	Bottom	H7
C851	Bottom	H7
C852	Bottom	H6
C853	Bottom	H6
C854	Top	H5
C855	Top	I6
C856	Bottom	H6
C857	Top	H6
C900	Top	I12
C901	Top	J11
C902	Bottom	K11
C903	Bottom	J8
C904	Bottom	J12
C905	Bottom	J12
C906	Top	I12
C907	Top	I12
C908	Bottom	J8
C909	Top	J12
C910	Top	K11
C911	Bottom	K12
C912	Bottom	K12
C913	Top	J12
C914	Top	J12
C915	Bottom	J11
C916	Bottom	K11
C917	Bottom	I11
C918	Bottom	I8
C919	Bottom	K7
C920	Bottom	I6

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
C921	Bottom	I6
C922	Bottom	I4
C923	Bottom	I4
C924	Bottom	I4
C925	Bottom	I5
C926	Bottom	I5
C927	Bottom	I5
C928	Bottom	I6
C929	Bottom	I5
C930	Bottom	I7
C931	Bottom	I7
C932	Bottom	I5
C933	Top	K4
C934	Top	K5
C935	Bottom	K8
C936	Top	K12
C937	Top	K11
C938	Bottom	L12
C939	Bottom	L12
C940	Top	K12
C941	Top	K12
C942	Bottom	K5
C943	Bottom	K5
C944	Top	K5
C945	Top	K5
C946	Bottom	K8
C947	Bottom	K11
C948	Bottom	J11
C949	Bottom	I10
C950	Bottom	I6
C951	Bottom	K9
C952	Bottom	K11
C953	Bottom	K8
C954	Bottom	K8
C955	Bottom	K11
C956	Bottom	K8
C957	Bottom	I10
C958	Bottom	I11
C959	Top	I8
C960	Top	I8
C961	Bottom	K10
C962	Bottom	K10
C963	Top	K10
C964	Top	K10
C965	Bottom	J4
C966	Top	J8
C967	Top	J8
C968	Bottom	K6
C969	Bottom	K6
C970	Top	K9
C971	Top	K9
C972	Bottom	J4
C973	Bottom	K7
C974	Bottom	K8
C975	Bottom	K5

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
C976	Bottom	K10
C977	Bottom	I9
C978	Bottom	K7
C979	Bottom	I13
C980	Bottom	K4
C981	Bottom	I6
C982	Bottom	K4
C983	Bottom	K4
C984	Bottom	K6
C985	Bottom	K7
C986	Bottom	I9
C987	Bottom	I7
C988	Bottom	I11
C989	Bottom	I11
C990	Bottom	I10
C991	Top	K8
C992	Top	K8
C993	Bottom	K9
C994	Bottom	K9
C995	Top	K6
C996	Top	K6
C997	Bottom	K4
C998	Bottom	I11
C999	Bottom	I12
C1000	Bottom	I9
C1001	Bottom	I8
C1002	Bottom	I8
C1003	Bottom	I9
C1004	Bottom	I9
C1005	Bottom	I10
C1006	Bottom	K4
C1007	Bottom	I10
C1008	Bottom	K2
C1009	Bottom	K2
C1010	Top	K3
C1011	Top	J3
C1012	Bottom	K3
C1013	Top	J3
C1014	Bottom	K3
C1015	Bottom	K3
C1016	Top	K3
C1017	Top	J3
C1018	Bottom	K4
C1019	Top	J4
C1020	Bottom	K3
C1021	Bottom	J2
C1022	Bottom	K7
C1023	Bottom	K4
C1024	Bottom	J7
C1025	Bottom	K3
C1026	Bottom	I13
C1027	Bottom	J12
C1028	Bottom	J13
C1029	Bottom	I4
C1030	Bottom	I4

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
C1031	Bottom	I4
C1032	Bottom	I2
C1033	Bottom	I2
C1034	Top	I2
C1035	Top	I2
C1036	Bottom	J2
C1037	Bottom	J2
C1038	Bottom	J2
C1039	Bottom	K8
C1040	Top	I1
C1041	Bottom	J1
C1042	Bottom	I3
C1043	Top	I3
C1044	Top	J3
C1100	Bottom	J2
C1101	Bottom	I3
CON100	Top	A13
CON101	Top	B1
CON200	Top	D13
CON201	Top	D1
CON300	Top	F13
CON301	Top	F1
CON400	Top	H13
CON401	Top	H1
CON500	Top	K13
CON501	Top	L8
CON502	Top	I1
CON503	Top	K1
CON504	Top	L2
D10	Top	A2
D11	Top	A2
D20	Top	C2
D21	Top	C2
D30	Top	E2
D31	Top	E2
D40	Top	G2
D41	Top	G2
D50	Top	K12
D51	Top	K12
D100	Bottom	B7
D200	Bottom	B8
D300	Bottom	D7
D400	Bottom	D8
D500	Bottom	F7
D600	Bottom	F8
D700	Bottom	H7
D800	Bottom	H8
D900	Bottom	J11
D901	Bottom	J11
D902	Bottom	K11
D903	Bottom	I7
D904	Bottom	J7
D905	Bottom	K7
D906	Bottom	I3
D1014	Bottom	I1

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
FID1	Bottom	J13
FID2	Bottom	J1
FID3	Bottom	L1
FID4	Top	A12
FID5	Top	A1
FID6	Top	L1
LED100	Top	A10
LED101	Top	A9
LED200	Top	B10
LED201	Top	B9
LED300	Top	C10
LED301	Top	C9
LED400	Top	D10
LED401	Top	D9
LED500	Top	E10
LED501	Top	E9
LED600	Top	F10
LED601	Top	F9
LED700	Top	G10
LED701	Top	G9
LED800	Top	H10
LED801	Top	H9
LED900	Top	J10
LED901	Top	J9
LED902	Top	J10
LED903	Top	J9
LED904	Top	K10
LED905	Top	K9
LED906	Top	J6
LED907	Top	J5
LED908	Top	J6
LED909	Top	J5
LED910	Top	K6
LED911	Top	K5
MNT1	Top	A13
MNT2	Top	A7
MNT3	Top	B4
MNT4	Top	A1
MNT5	Top	C13
MNT6	Top	C7
MNT7	Top	D4
MNT8	Top	C1
MNT10	Top	E7
MNT11	Top	F4
MNT12	Top	E1
MNT13	Top	E13
MNT14	Top	G7
MNT15	Top	H4
MNT16	Top	G1
MNT17	Top	I13
MNT18	Top	L13
MNT19	Top	J2
MNT20	Top	L1
MNT21	Top	L9
POT100	Top	B6

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
POT101	Top	A6
POT102	Top	A5
POT103	Top	A5
POT104	Top	A4
POT105	Top	A3
POT106	Top	A3
POT107	Top	A2
POT108	Top	A1
POT109	Top	B5
POT110	Top	B4
POT111	Top	B3
POT112	Top	B2
POT300	Top	D6
POT301	Top	C6
POT302	Top	C5
POT303	Top	C5
POT304	Top	C4
POT305	Top	C3
POT306	Top	C3
POT307	Top	C2
POT308	Top	C1
POT309	Top	D5
POT310	Top	D4
POT311	Top	D3
POT312	Top	D2
POT500	Top	F6
POT501	Top	E6
POT502	Top	E5
POT503	Top	E5
POT504	Top	E4
POT505	Top	E3
POT506	Top	E3
POT507	Top	E2
POT508	Top	E1
POT509	Top	F5
POT510	Top	F4
POT511	Top	F3
POT512	Top	F2
POT700	Top	H6
POT701	Top	G6
POT702	Top	G5
POT703	Top	G5
POT704	Top	G4
POT705	Top	G3
POT706	Top	G3
POT707	Top	G2
POT708	Top	G1
POT709	Top	H5
POT710	Top	H4
POT711	Top	H3
POT712	Top	H2
POT900	Top	J4
POT901	Top	K4
POT902	Top	J3
POT903	Top	J1

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
Q50	Bottom	I3
Q100	Bottom	A10
Q101	Bottom	A9
Q150	Bottom	A11
Q151	Bottom	A10
Q200	Bottom	A9
Q201	Bottom	A9
Q300	Bottom	C10
Q301	Bottom	C9
Q350	Bottom	C11
Q351	Bottom	C10
Q400	Bottom	C9
Q401	Bottom	C9
Q500	Bottom	E10
Q501	Bottom	E9
Q550	Bottom	E11
Q551	Bottom	E10
Q600	Bottom	E9
Q601	Bottom	E9
Q700	Bottom	G10
Q701	Bottom	G9
Q750	Bottom	G11
Q751	Bottom	G10
Q800	Bottom	G9
Q801	Bottom	G9
Q901	Top	I9
Q903	Top	I8
Q905	Top	I10
Q907	Top	I4
Q909	Top	I5
Q911	Top	I4
Q913	Top	I6
R1	Bottom	L1
R10	Bottom	A1
R11	Bottom	A1
R20	Bottom	C1
R21	Bottom	C1
R30	Bottom	E1
R31	Bottom	E1
R40	Bottom	G1
R41	Bottom	G1
R50	Bottom	K1
R51	Bottom	K1
R52	Bottom	I3
R53	Bottom	I3
R100	Bottom	B12
R101	Bottom	B12
R102	Bottom	A13
R103	Bottom	A13
R104	Bottom	B11
R105	Bottom	B11
R106	Bottom	A12
R107	Bottom	A12
R108	Bottom	A10
R109	Bottom	A9

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R110	Bottom	B7
R111	Bottom	B7
R112	Bottom	A7
R150	Bottom	B13
R151	Bottom	B13
R152	Bottom	A11
R153	Bottom	A11
R154	Bottom	A11
R155	Bottom	A10
R156	Bottom	B8
R157	Bottom	B8
R158	Bottom	B8
R159	Bottom	B9
R160	Bottom	B9
R161	Bottom	B9
R162	Bottom	B9
R163	Bottom	B9
R164	Bottom	B10
R165	Bottom	B10
R166	Bottom	B10
R167	Bottom	B10
R168	Bottom	B10
R169	Bottom	B11
R170	Bottom	B11
R171	Bottom	B11
R172	Bottom	B11
R173	Bottom	A6
R174	Bottom	A5
R175	Bottom	A5
R176	Bottom	A4
R177	Bottom	A3
R178	Bottom	A2
R179	Bottom	A2
R180	Bottom	A1
R181	Bottom	A6
R182	Bottom	B5
R183	Bottom	B4
R184	Bottom	B3
R185	Bottom	B3
R186	Bottom	B3
R187	Bottom	B3
R188	Bottom	B2
R189	Bottom	B3
R190	Bottom	B2
R191	Bottom	B2
R192	Bottom	B2
R193	Bottom	B1
R194	Bottom	A1
R200	Bottom	C12
R201	Bottom	C12
R202	Bottom	B13
R203	Bottom	B13
R204	Bottom	C11
R205	Bottom	C11
R206	Bottom	B12

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R207	Bottom	B12
R208	Bottom	A9
R209	Bottom	A9
R210	Bottom	B7
R211	Bottom	B8
R212	Bottom	A8
R250	Bottom	A7
R251	Bottom	B7
R252	Bottom	B7
R253	Bottom	B6
R254	Bottom	B6
R255	Bottom	B6
R256	Bottom	B6
R257	Bottom	B6
R258	Bottom	B6
R259	Bottom	B5
R300	Bottom	D12
R301	Bottom	D12
R302	Bottom	C13
R303	Bottom	C13
R304	Bottom	D11
R305	Bottom	D11
R306	Bottom	C12
R307	Bottom	C12
R308	Bottom	C10
R309	Bottom	C9
R310	Bottom	D7
R311	Bottom	D7
R312	Bottom	D7
R350	Bottom	E13
R351	Bottom	D13
R352	Bottom	C11
R353	Bottom	C11
R354	Bottom	C11
R355	Bottom	C10
R356	Bottom	D8
R357	Bottom	D8
R358	Bottom	D8
R359	Bottom	D9
R360	Bottom	D9
R361	Bottom	D9
R362	Bottom	D9
R363	Bottom	D9
R364	Bottom	D10
R365	Bottom	D10
R366	Bottom	D10
R367	Bottom	D10
R368	Bottom	D10
R369	Bottom	D11
R370	Bottom	D11
R371	Bottom	D11
R372	Bottom	D11
R373	Bottom	C6
R374	Bottom	C5
R375	Bottom	C5

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R376	Bottom	C4
R377	Bottom	C3
R378	Bottom	C2
R379	Bottom	C2
R380	Bottom	C1
R381	Bottom	C6
R382	Bottom	D5
R383	Bottom	D4
R384	Bottom	D3
R385	Bottom	D3
R386	Bottom	D3
R387	Bottom	D3
R388	Bottom	D2
R389	Bottom	D3
R390	Bottom	D2
R391	Bottom	D2
R392	Bottom	D2
R393	Bottom	D1
R394	Bottom	C1
R400	Bottom	E12
R401	Bottom	E12
R402	Bottom	D13
R403	Bottom	D13
R404	Bottom	E11
R405	Bottom	E11
R406	Bottom	D12
R407	Bottom	D12
R408	Bottom	C9
R409	Bottom	C9
R410	Bottom	D7
R411	Bottom	D8
R412	Bottom	D8
R450	Bottom	C7
R451	Bottom	D7
R452	Bottom	D7
R453	Bottom	D6
R454	Bottom	D6
R455	Bottom	D6
R456	Bottom	D6
R457	Bottom	D6
R458	Bottom	D6
R459	Bottom	D5
R500	Bottom	F12
R501	Bottom	F12
R502	Bottom	E13
R503	Bottom	E13
R504	Bottom	F11
R505	Bottom	F11
R506	Bottom	E12
R507	Bottom	E12
R508	Bottom	E10
R509	Bottom	E9
R510	Bottom	F7
R511	Bottom	F7
R512	Bottom	F7

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R550	Bottom	G13
R551	Bottom	F13
R552	Bottom	E11
R553	Bottom	E11
R554	Bottom	E11
R555	Bottom	E10
R556	Bottom	F8
R557	Bottom	F8
R558	Bottom	F8
R559	Bottom	F9
R560	Bottom	F9
R561	Bottom	F9
R562	Bottom	F9
R563	Bottom	F9
R564	Bottom	F10
R565	Bottom	F10
R566	Bottom	F10
R567	Bottom	F10
R568	Bottom	F10
R569	Bottom	F11
R570	Bottom	F11
R571	Bottom	F11
R572	Bottom	F11
R573	Bottom	E6
R574	Bottom	E5
R575	Bottom	E5
R576	Bottom	E4
R577	Bottom	E3
R578	Bottom	E2
R579	Bottom	E2
R580	Bottom	E1
R581	Bottom	E6
R582	Bottom	F5
R583	Bottom	F4
R584	Bottom	F3
R585	Bottom	F3
R586	Bottom	F3
R587	Bottom	G3
R588	Bottom	F2
R589	Bottom	G3
R590	Bottom	F2
R591	Bottom	F2
R592	Bottom	F2
R593	Bottom	F1
R594	Bottom	E1
R600	Bottom	G12
R601	Bottom	G12
R602	Bottom	F13
R603	Bottom	F13
R604	Bottom	G11
R605	Bottom	G11
R606	Bottom	F12
R607	Bottom	F12
R608	Bottom	E9
R609	Bottom	E9

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R610	Bottom	F7
R611	Bottom	F8
R612	Bottom	F8
R650	Bottom	E7
R651	Bottom	F7
R652	Bottom	F7
R653	Bottom	F6
R654	Bottom	F6
R655	Bottom	F6
R656	Bottom	F6
R657	Bottom	F6
R658	Bottom	F6
R659	Bottom	F5
R700	Bottom	H12
R701	Bottom	I12
R702	Bottom	G13
R703	Bottom	G13
R704	Bottom	H11
R705	Bottom	I11
R706	Bottom	G12
R707	Bottom	G12
R708	Bottom	G10
R709	Bottom	G9
R710	Bottom	H7
R711	Bottom	H7
R712	Bottom	H7
R750	Bottom	I13
R751	Bottom	H13
R752	Bottom	G11
R753	Bottom	G11
R754	Bottom	G11
R755	Bottom	G10
R756	Bottom	H8
R757	Bottom	H8
R758	Bottom	H8
R759	Bottom	H9
R760	Bottom	H9
R761	Bottom	H9
R762	Bottom	H9
R763	Bottom	H9
R764	Bottom	H10
R765	Bottom	H10
R766	Bottom	H10
R767	Bottom	H10
R768	Bottom	H10
R769	Bottom	H11
R770	Bottom	H11
R771	Bottom	H11
R772	Bottom	H11
R773	Bottom	G6
R774	Bottom	G5
R775	Bottom	G5
R776	Bottom	G4
R777	Bottom	G3
R778	Bottom	G2

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R779	Bottom	G2
R780	Bottom	G1
R781	Bottom	G6
R782	Bottom	H5
R783	Bottom	H4
R784	Bottom	H3
R785	Bottom	H3
R786	Bottom	H3
R787	Bottom	I3
R788	Bottom	H2
R789	Bottom	I3
R790	Bottom	H2
R791	Bottom	H2
R792	Bottom	H2
R793	Bottom	H1
R794	Bottom	G1
R800	Bottom	I12
R801	Bottom	I12
R802	Bottom	H13
R803	Bottom	H13
R804	Bottom	I11
R805	Bottom	I11
R806	Bottom	H12
R807	Bottom	H12
R808	Bottom	G9
R809	Bottom	G9
R810	Bottom	H7
R811	Bottom	H8
R812	Bottom	H8
R850	Bottom	H7
R851	Bottom	H7
R852	Bottom	H7
R853	Bottom	H6
R854	Bottom	H6
R855	Bottom	H6
R856	Bottom	H6
R857	Bottom	H6
R858	Bottom	H6
R859	Bottom	H5
R900	Bottom	J11
R901	Bottom	J11
R902	Bottom	J11
R903	Bottom	I11
R904	Bottom	I11
R905	Bottom	I12
R906	Bottom	I12
R907	Bottom	J8
R908	Bottom	J8
R909	Bottom	J8
R910	Bottom	J9
R911	Bottom	J9
R912	Bottom	J9
R913	Bottom	J9
R914	Bottom	J9
R915	Bottom	J10

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R916	Bottom	J10
R917	Bottom	J10
R918	Bottom	J10
R919	Bottom	J10
R920	Bottom	J11
R921	Bottom	J11
R922	Bottom	J11
R923	Bottom	I11
R924	Bottom	I10
R925	Bottom	I11
R926	Bottom	I9
R927	Bottom	I9
R928	Bottom	I9
R929	Bottom	I8
R930	Bottom	I10
R931	Bottom	I10
R932	Bottom	J11
R933	Bottom	J11
R934	Bottom	K11
R935	Bottom	J11
R936	Bottom	J11
R937	Bottom	J12
R938	Bottom	J12
R939	Bottom	K11
R940	Bottom	K11
R941	Bottom	K11
R942	Bottom	K11
R943	Bottom	K11
R944	Bottom	K12
R945	Bottom	K12
R946	Bottom	L5
R947	Bottom	K5
R948	Bottom	J8
R949	Bottom	I8
R950	Bottom	I8
R951	Bottom	I8
R952	Bottom	I8
R953	Bottom	L10
R954	Bottom	K10
R955	Bottom	J4
R956	Bottom	J4
R957	Bottom	J4
R958	Bottom	J5
R959	Bottom	J5
R960	Bottom	J5
R961	Bottom	J5
R962	Bottom	J5
R963	Bottom	J6
R964	Bottom	J6
R965	Bottom	J6
R966	Bottom	J6
R967	Bottom	J6
R968	Bottom	J7
R969	Bottom	J7
R970	Bottom	J7

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R971	Bottom	I7
R972	Bottom	I7
R973	Bottom	I7
R974	Bottom	I5
R975	Bottom	I4
R976	Bottom	I5
R977	Bottom	I5
R978	Bottom	I4
R979	Bottom	I4
R980	Bottom	I7
R981	Bottom	I6
R982	Bottom	J8
R983	Bottom	J8
R984	Bottom	J8
R985	Bottom	J8
R986	Bottom	J8
R987	Bottom	L9
R988	Bottom	K9
R989	Bottom	K8
R990	Bottom	K8
R991	Bottom	K8
R992	Bottom	K8
R993	Bottom	K8
R994	Bottom	L6
R995	Bottom	K6
R996	Bottom	K2
R997	Bottom	K2
R998	Bottom	K2
R999	Bottom	K2
R1000	Bottom	K3
R1001	Bottom	K3
R1002	Bottom	K3
R1003	Bottom	K3
R1004	Bottom	K3
R1005	Bottom	K3
R1006	Bottom	K3
R1007	Bottom	K3
R1008	Bottom	K4
R1009	Bottom	K4
R1010	Bottom	K4
R1011	Bottom	K4
R1012	Bottom	I13
R1013	Bottom	I13
R1014	Bottom	J12
R1015	Bottom	J12
R1016	Bottom	J13
R1017	Bottom	J13
R1018	Bottom	K2
R1019	Bottom	I3
R1020	Bottom	I4
R1021	Bottom	I4
R1022	Bottom	L9
R1023	Bottom	L8
R1024	Bottom	L8
R1025	Bottom	L9

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R1026	Bottom	L8
R1027	Bottom	L8
R1028	Top	I2
R1029	Top	I2
R1030	Bottom	J2
R1031	Bottom	I2
R1032	Bottom	J2
R1033	Bottom	J2
R1034	Bottom	J1
R1035	Bottom	J1
R1036	Bottom	J1
R1037	Bottom	J3
R1038	Bottom	I3
R1039	Bottom	I3
R1040	Bottom	J3
R1041	Bottom	J3
R1042	Bottom	J3
R1043	Bottom	J3
R1044	Bottom	J3
S100	Top	A8
S150	Top	A7
S151	Top	B7
S152	Top	B2
S153	Top	B1
S200	Top	B8
S250	Top	B5
S251	Top	B7
S252	Top	B7
S300	Top	C8
S350	Top	C7
S351	Top	D7
S352	Top	D2
S353	Top	D1
S400	Top	D8
S450	Top	D5
S451	Top	D7
S452	Top	D7
S500	Top	E8
S550	Top	E7
S551	Top	F7
S552	Top	F2
S553	Top	F1
S600	Top	F8
S650	Top	F5
S651	Top	F7
S652	Top	F7
S700	Top	G8
S750	Top	G7
S751	Top	H7
S752	Top	H2
S753	Top	H1
S800	Top	H8
S850	Top	H5
S851	Top	H7
S852	Top	H7

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
S900	Top	K3
S901	Top	K3
S902	Top	K2
S903	Top	J1
S904	Top	J2
TL1	Top	J12
TL2	Top	J1
TL3	Top	A3
TL4	Top	L3
TL10	Top	K1
TP1	Top	A12
TP2	Top	B12
TP3	Top	A11
TP4	Top	B11
TP5	Top	B11
TP6	Top	B11
TP7	Top	A8
TP8	Top	A8
TP9	Top	B11
TP10	Top	B6
TP11	Top	B6
TP12	Top	C12
TP13	Top	B3
TP14	Top	B3
TP15	Top	D12
TP38	Top	C11
TP39	Top	D11
TP40	Top	C8
TP41	Top	C8
TP42	Top	D11
TP43	Top	D11
TP44	Top	D11
TP67	Top	D6
TP68	Top	D6
TP69	Top	D3
TP70	Top	D3
TP71	Top	E12
TP72	Top	F12
TP73	Top	E11
TP74	Top	F11
TP75	Top	E8
TP76	Top	E8
TP77	Top	F11
TP78	Top	F11
TP79	Top	F11
TP102	Top	F6
TP103	Top	F6
TP104	Top	G3
TP105	Top	G3
TP106	Top	G12
TP107	Top	H12
TP108	Top	G11
TP109	Top	H11
TP110	Top	G8
TP111	Top	G8

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
TP112	Top	H11
TP113	Top	H11
TP114	Top	H11
TP137	Top	H6
TP138	Top	H6
TP139	Top	I3
TP140	Top	I3
TP10000	Top	L12
TP10001	Top	L12
TP10002	Top	L11
TP10009	Top	K3
TP10010	Top	K3
TP10011	Top	J12
TP10012	Top	J12
TP10013	Top	J4
TP10014	Top	J4
TP10015	Top	J12
TP10016	Top	I4
TP10018	Top	J1
TP10019	Top	J3
U100	Bottom	A12
U101	Bottom	A11
U102	Bottom	B8
U103	Bottom	B9
U104	Bottom	B10
U105	Bottom	B10
U150	Bottom	B12
U151	Bottom	B12
U152	Bottom	B7
U153	Bottom	B3
U200	Bottom	B12
U201	Bottom	B11
U202	Bottom	B8
U203	Bottom	B9
U204	Bottom	B10
U205	Bottom	B11
U250	Bottom	B6
U300	Bottom	C12
U301	Bottom	C11
U302	Bottom	D8
U303	Bottom	D9
U304	Bottom	D10
U305	Bottom	D10
U350	Bottom	E12
U351	Bottom	D12
U352	Bottom	D7
U353	Bottom	D3
U400	Bottom	D12
U401	Bottom	D11
U402	Bottom	D8
U403	Bottom	D9
U404	Bottom	D10
U405	Bottom	D11
U450	Bottom	D6
U500	Bottom	E12

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
U501	Bottom	E11
U502	Bottom	F8
U503	Bottom	F9
U504	Bottom	F10
U505	Bottom	F10
U550	Bottom	G12
U551	Bottom	G12
U552	Bottom	F7
U553	Bottom	F3
U600	Bottom	F12
U601	Bottom	F11
U602	Bottom	F8
U603	Bottom	F9
U604	Bottom	F10
U605	Bottom	F11
U650	Bottom	F6
U700	Bottom	G12
U701	Bottom	G11
U702	Bottom	H8
U703	Bottom	H9
U704	Bottom	H10
U705	Bottom	H10
U750	Bottom	I12
U751	Bottom	I12
U752	Bottom	H7
U753	Bottom	H3
U800	Bottom	H12
U801	Bottom	H11
U802	Bottom	H8
U803	Bottom	H9
U804	Bottom	H10
U805	Bottom	H11
U850	Bottom	H6
U900	Bottom	I12
U901	Bottom	I11
U902	Bottom	I8
U903	Bottom	I8
U904	Bottom	I9
U905	Bottom	I9
U906	Bottom	I10
U907	Bottom	I10
U908	Bottom	I10
U909	Bottom	I11
U910	Bottom	J12
U911	Bottom	J11
U912	Bottom	K12
U913	Bottom	K11
U914	Bottom	K8
U915	Bottom	K8
U916	Bottom	K10
U917	Bottom	K11
U918	Bottom	K5
U919	Bottom	J7
U920	Bottom	K10
U921	Bottom	J7

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
U922	Bottom	K9
U923	Bottom	I4
U924	Bottom	I5
U925	Bottom	I5
U926	Bottom	I5
U927	Bottom	I6
U928	Bottom	I6
U929	Bottom	I7
U930	Bottom	I7
U931	Bottom	K7
U932	Bottom	K6
U933	Bottom	K4
U934	Bottom	K5
U935	Bottom	K7
U936	Bottom	K7
U937	Bottom	K3
U938	Bottom	K4
U939	Bottom	J12
U940	Bottom	J4
U941	Bottom	J2
Z150	Bottom	B11
Z350	Bottom	E11
Z550	Bottom	G11
Z750	Bottom	I11
Z900	Bottom	I11
Z901	Bottom	I7
Z902	Bottom	J3
Z903	Bottom	J3



KLARK TEKNIK GROUP



Parent Part Identifier Range: V0011-02-1 - V0011-02-1, Effective: 07/01/200.

Part Identifier	Description	Quantity	Reference Text
Output Module Upper pcb Assembly			
ACBLX-1832-2	26W LUMBERG RIB CBLE 60MM	5	
ACBLX-1838-2	16W LUMBERG RIB CBLE 60MM	1	
CAP05-K622050	220NF SMD CERAM CAP 1206	54	C100,C101,C104,C105,C152,C153,C200,C201,C204,C205,C300,C301,C304,C305,C352,C353,C400,C401,C404,C405,C500,C501,C504,C505,C552,C553,C600,C601,C604,C605,C700,C701,C704,C705,C752,C753,C800,C801,C804,C805,C904,C905,C911,C912,C938,C939,C942,C943,C961,C962,C968,C969,C993,C994
CAP06-GK510050	100N 0805 SMD CERMIC 10%	181	C108,C109,C110,C111,C112,C113,C114,C115,C116,C150,C151,C156,C157,C158,C159,C208,C209,C210,C211,C212,C213,C214,C215,C216,C250,C251,C308,C309,C310,C311,C312,C313,C314,C315,C316,C350,C351,C356,C357,C358,C359,C408,C409,C410,C411,C412,C413,C414,C415,C416,C450,C451,C508,C509,C510,C511,C512,C513,C514,C515,C516,C550,C551,C556,C557,C558,C559,C608,C609,C610,C611,C612,C613,C614,C615,C616,C650,C651,C708,C709,C710,C711,C712,C713,C714,C715,C716,C750,C751,C756,C757,C758,C759,C808,C809,C810,C811,C812,C813,C814,C815,C816,C850,C851,C902,C903,C908,C915,C916,C917,C918,C919,C920,C921,C922,C923,C924,C925,C926,C927,C928,C929,C930,C931,C932,C935,C946,C947,C948,C949,C950,C951,C952,C953,C954,C955,C956,C957,C958,C965,C972,C973,C974,C975,C976,C977,C978,C979,C980,C981,C982,C983,C984,C985,C986,C987,C988,C989,C990,C997,C998,C999,C1000,C1001,C1002,C1003,C1004,C1005,C1006,C1007,C1020,C1021,C1022,C1023,C1024,C1025,C1029,C1030,C1031,C1038,C1039
CAP06-SJ122050	22PF SMD 0805 CERAMIC 5%	32	C160,C161,C164,C252,C253,C256,C360,C361,C364,C452,C453,C456,C560,C561,C564,C652,C653,C656,C760,C761,C764,C852,C853,C856,C1009,C1012,C1015,C1018,C1026,C1027,C1028,C1101

Part Identifier	Description	Quantity	Reference Text
CAP06-SJ147100	47P 0805 SMD CERAMIC 5%	1	C1041
CAP06-SJ222100	220PF 0805 SMD CERAM. 5%	2	C1008,C1014
CAP06-SJ310100	1N 0805 SMD CERAMIC 5%	2	C1036,C1037
CAP06-SJ322100	2N2 0805 SMD CERAMIC 5%	1	C1042
CAP06-SJ347100	4N7 0805 SMD CERAMIC 5%	3	C1032,C1033,C1100
CAP12-J233100	33N POLYESTER CAP 0.2"	2	C1043,C1044
CAP61-210025B	10UF 25V LP RADCAP 1.5MM	50	C117,C118,C162,C163,C165,C217,C218,C254, C317,C318,C362,C363,C365,C417,C418,C454, C517,C518,C562,C563,C565,C617,C618,C654, C717,C718,C762,C763,C765,C817,C818,C854, C900,C901,C909,C910,C933,C934,C936,C937, C959,C960,C966,C967,C991,C992,C1010,C1013, C1016,C1019
CAP63-247063A	47UF 63V RAD.ELEC.2.5MM	2	C1034,C1035
CAP63-310025B	100UF 25V LP RAD 2.5MM	75	C10,C11,C20,C21,C30,C31,C40,C41,C50, C51,C102,C103,C106,C107,C154,C155,C202, C203,C206,C207,C255,C257,C302,C303,C306, C307,C354,C355,C402,C403,C406,C407,C455, C457,C502,C503,C506,C507,C554,C555,C602, C603,C606,C607,C655,C657,C702,C703,C706, C707,C754,C755,C802,C803,C806,C807,C855, C857,C906,C907,C913,C914,C940,C941,C944, C945,C963,C964,C970,C971,C995,C996,C1011, C1017,C1040,
CON01-03SMRL	3WY 0.1" LKG ML HDR R/A	1	CON504
CON11-20MP	20WY VERT BOX ML HDR	6	CON100,CON200,CON300,CON400,CON500,CON501
PCX-V0011-1	OUTPUT PCB ASSEMBLY	1	
POT12-615C01V1	100KCX2 INV LOG VERTICAL	1	POT900
POT12-654B02V1	50K X 2 6MM DUAL VERTICAL	1	POT901
POT91-653D09V	5K 6MM D VERTICAL POT	1	POT903
POT91-6543BV1	50K 6MM D VERT	53	POT100,POT101,POT102,POT103,POT104,POT105,POT106, POT107,POT108,POT109,POT110,POT111,POT112, POT300,POT301,POT302,POT303,POT304,POT305,POT306, POT307,POT308,POT309,POT310,POT311,POT312, POT500,POT501,POT502,POT503,POT504,POT505,POT506, POT507,POT508,POT509,POT510,POT511,POT512, POT700,POT701,POT702,POT703,POT704,POT705,POT706, POT707,POT708,POT709,POT710,POT711,POT712,POT902
RES04-3E6R80	6K8 RES.M.FILM 1% 0.4W	2	R1028,R1029
RES54-0E1R00	1R 0805 SMD 1%	10	R10,R11,R20,R21,R30,R31, R40,R41,R50,R51

Part Identifier	Description	Quantity	Reference Text
RES54-1E1R00	10R 0805 SMD 1%	2	R1,R1036
RES54-1E2R20	22R 0805 SMD 1%	20	R112,R157,R212,R312,R357,R412, R512,R557,R612,R712,R757,R812, R902,R908,R934,R941,R952,R956, R986,R993
RES54-1E3R30	33R 0805 SMD 1%	6	R158,R358,R558,R758,R909,R957
RES54-1E4R70	47R 0805 SMD 1%	6	R159,R359,R559,R759,R910,R958
RES54-1E5R60	56R 0805 SMD 1%	6	R156,R356,R556,R756,R907,R955
RES54-1E6R80	68R 0805 SMD 1%	6	R160,R360,R560,R760,R911,R959
RES54-2E1R00	100R 0805 SMD 1%	6	R161,R361,R561,R761,R912,R960
RES54-2E1R20	120R 0805 SMD 1%	13	R162,R362,R562,R762,R913,R927,R929,R931,R961,R975,R977,R979, R981,
RES54-2E1R80	180R 0805 SMD 1%	6	R163,R363,R563,R763,R914,R962
RES54-2E2R20	220R 0805 SMD 1%	24	R108,R109,R154,R155,R208,R209, R308,R309,R354,R355,R408,R409, R508,R509,R554,R555,R608,R609, R708,R709,R754,R755,R808,R809,
RES54-2E2R70	270R 0805 SMD 1%	6	R164,R364,R564,R764,R915,R963
RES54-2E3R60	360R 0805 SMD 1%	6	R165,R365,R565,R765,R916,R964
RES54-2E4R70	470R 0805 SMD 1%	3	R1030,R1031,R1042
RES54-2E5R60	560R 0805 SMD 1%	6	R166,R366,R566,R766,R917,R965
RES54-2E7R50	750R 0805 SMD 1%	6	R167,R367,R567,R767,R918,R966
RES54-2E8R20	820R 0805 SMD 1%	6	R256,R456,R656,R856,R1001,R1009
RES54-3E1R00	1K 0805 SMD 1%	12	R168,R172,R368,R372,R568,R572, R768,R772,R919,R923,R967, R971,
RES54-3E1R20	1K2 0805 SMD 1%	2	R1039,R1043
RES54-3E1R50	1K5 0805 SMD 1%	10	R169,R369,R569,R769,R920,R924,R949,R968,R972,R990
RES54-3E1R80	1K8 0805 SMD 1%	2	R998,R1006
RES54-3E2R20	2K2 0805 SMD 1%	14	R152,R170,R352,R370,R552,R570, R752,R770,R921,R969,R1020,R1021, R1023,R1026
RES54-3E2R70	2K7 0805 SMD 1%	2	R1032,R1033
RES54-3E3R00	3K 0805 SMD 1%	18	R171,R371,R571,R771,R922,R926,R928, R930,R948,R970,R974,R976,R978,R980, R982,R989,R996,R1004
RES54-3E3R30	3K3 0805 SMD 1%	6	R186,R386,R586,R786,R1022,R1025
RES54-3E3R60	3K6 0805 SMD 1%	1	R983
RES54-3E4R70	4K7 0805 SMD 1%	30	R101,R105,R188,R192,R201,R205, R301,R305,R388,R392,R401,R405, R501,R505,R588,R592,R601,R605,

Part Identifier	Description	Quantity	Reference Text
RES54-3E4R70	4K7 0805 SMD 1%	30	R701,R705,R788,R792,R801,R805, R904,R936,R943,R1024,R1027,R1035
RES54-3E5R60	5K6 0805 SMD 1%	23	R100,R104,R191,R200,R204, R300,R304,R391,R400,R404, R500,R504,R591,R600,R604, R700,R704,R791,R800,R804, R903,R935,R942
RES54-3E6R80	6K8 0805 SMD 1%	62	R102,R103,R106,R107,R150,R151,R187,R190, R202,R203,R206,R207,R302,R303,R306,R307, R350,R351,R387,R390,R402,R403,R406,R407, R502,R503,R506,R507,R550,R551,R587,R590, R602,R603,R606,R607,R702,R703,R706,R707, R750,R751,R787,R790,R802,R803,R806,R807, R905,R906,R937,R938,R944,R945,R946,R947, R953,R954,R987,R988,R994,R995
RES54-3E8R20	8K2 0805 SMD 1%	6	R255,R455,R655,R855,R1000,R1008
RES54-4E1R00	10K 0805 SMD 1%	14	R189,R389,R589,R789,R1012,R1013, R1014,R1015,R1016,R1017,R1037, R1038,R1041,R1044
RES54-4E1R20	12K 0805 SMD 1%	57	R53,R173,R174,R175,R176,R177,R178, R179,R180,R182,R183,R184,R185,R194, R250,R373,R374,R375,R376,R377,R378, R379,R380,R382,R383,R384,R385,R394, R450,R573,R574,R575,R576,R577,R578, R579,R580,R582,R583,R584,R585,R594, R650,R773,R774,R775,R776,R777,R778, R779,R780,R782,R783,R784,R785,R794, R850
RES54-4E1R30	13K 0805 SMD 1%	6	R258,R458,R658,R858,R1003,R1011
RES54-4E1R80	18K 0805 SMD 1%	16	R253,R254,R257,R453,R454,R457, R653,R654,R657,R853,R854,R857, R999,R1002,R1007,R1010
RES54-4E2R20	22K 0805 SMD 1%	38	R110,R111,R193,R210,R211,R259, R310,R311,R393,R410,R411,R459, R510,R511,R593,R610,R611,R659, R710,R711,R793,R810,R811,R859, R900,R901,R932,R933,R939, R940,R950,R951,R984,R985, R991,R992,R1018,R1034
RES54-4E2R40	24K 0805 SMD 1%	4	R181,R381,R581,R781
RES54-4E3R00	30K 0805 SMD 1%	12	R251,R252,R451,R452,R651,R652,

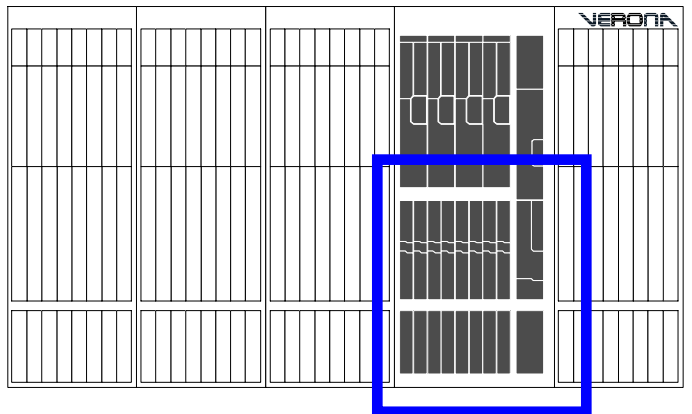
Part Identifier	Description	Quantity	Reference Text
RES54-4E3R00	30K 0805 SMD 1%	12	R851,R852,R925,R973,R997,R1005
RES54-4E4R70	47K 0805 SMD 1%	5	R52,R153,R353,R553,R753
RES54-4E8R20	82K 0805 SMD 1% RES	1	R1040
RES54-5E1R00	100K 0805 SMD 1% RES	1	R1019
SEM01-MD2581	8 WAY LED ARRAY	14	LED100,LED200,LED300,LED400,LED500, LED600,LED700,LED800,LED900,LED902, LED904,LED906,LED908,LED910
SEM01-MD2582	8WAY LED ARRAY GREEN LEDS	14	LED101,LED201,LED301,LED401,LED501, LED601,LED701,LED801,LED901,LED903, LED905,LED907,LED909,LED911
SEM11-1N4002	1N4002 TAPED/REEL	10	D10,D11,D20,D21,D30,D31,D40,D41,D50,D51
SEM15-BAT54A	SCHOTTKY BARRIER DIODE	1	D1014
SEM15-BAV99	SMD DUAL DIODE BAV99	15	D100,D200,D300,D400,D500, D600,D700,D800,D900,D901, D902,D903,D904,D905,D906
SEM16-ZX84C12V	SMD 12V ZENER (SOT23)	6	Z150,Z350,Z550,Z750,Z900,Z901
SEM16-ZX84C5V1	SMD 5V1 ZENER	2	Z902,Z903
SEM31-BC327	BC327 TRANSISTOR T092	7	Q901,Q903,Q905,Q907,Q909,Q911,Q913
SEM35-491A	491A NPN SMD TRANSISTOR	1	Q50
SEM35-591A	591A PNP SMD TRANSISTOR	24	Q100,Q101,Q150,Q151,Q200,Q201, Q300,Q301,Q350,Q351,Q400,Q401, Q500,Q501,Q550,Q551,Q600,Q601, Q700,Q701,Q750,Q751,Q800,Q801,
SEM51-33178	SMD DUAL OP AMP (SO8)	17	U152,U250,U352,U450,U552,U650, U752,U850,U901,U911,U913,U919, U921,U931,U937,U938,U941
SEM51-33179	SMD QUAD OP AMP (SO14)	9	U150,U153,U350,U353,U550,U553, U750,U753,U939
SEM51-DRV134UA	SMD OUTPUT OP AMP SOL-16	27	U100,U101,U151,U200,U201,U300,U301,U351, U400,U401,U500,U501,U551,U600,U601,U700, U701,U751,U800,U801,U900,U910,U912,U918, U920,U922,U932
SEM51-LM2901	SMD LM2901 COMPARATOR	56	U102,U103,U104,U105,U202,U203,U204,U205, U302,U303,U304,U305,U402,U403,U404,U405, U502,U503,U504,U505,U602,U603,U604,U605, U702,U703,U704,U705,U802,U803,U804,U805, U902,U903,U904,U905,U906,U907,U908,U909, U914,U915,U916,U917,U923,U924,U925,U926, U927,U928,U929,U930,U933,U934,U935,U936
SEM51-MC33079D	SMD DUAL OP AMP (SO14)	1	U940
SWT01-JPS2LCV	2POLE LATCH VERT JPS2281	28	S100,S150,S151,S200,S251,S252,

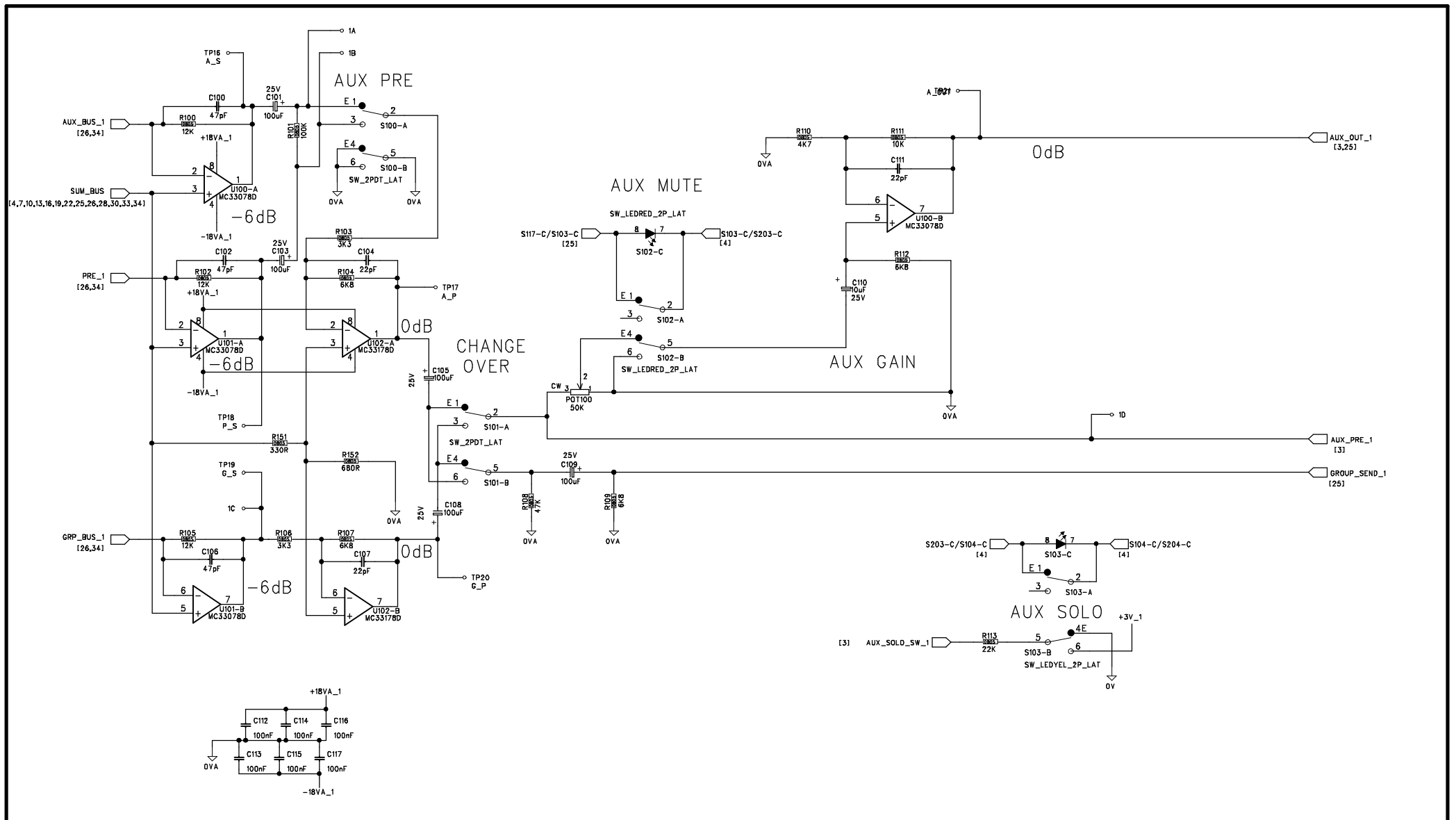
Part Identifier	Description	Quantity	Reference Text
SWT01-JPS2LCV	2POLE LATCH VERT JPS2281	28	S300,S350,S351,S400,S451,S452, S500,S550,S551,S600,S651,S652, S700,S750,S751,S800,S851,S852, S900,S901,S903,S904
SWT01-LTV75R01	VERT LATCH SWT & LED RED	4	S152,S352,S552,S752
SWT01-LTV75Y01	VERT LTCH SWT & LED YELL	9	S153,S250,S353,S450,S553,S650, S753,S850,S902



V0013 Output PCB Lower Board Group and Aux Outputs

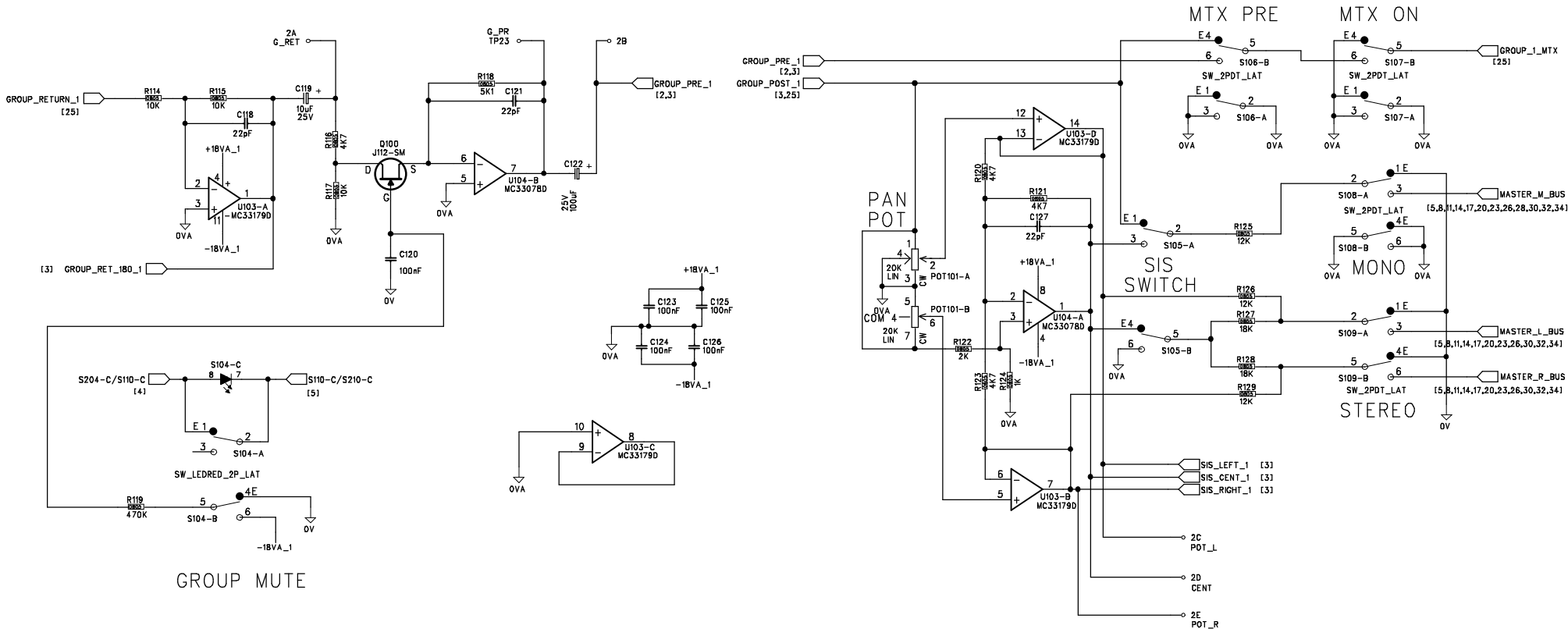
- V0013 Schematics -
- V0013 Board Overlays -
- V0013 Parts Grid Locator -
- V0013 Parts List -





FOR CHANGES SEE ECN4276	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

UNIT: VERONA		MIDAS AUDIO	
TITLE: OUTPUT FADER		DRAWN: AC	DATE: 08-01-04 SHEET: 1 OF 34
BOARD No. V0013 BOARD Iss. 2		CHECKED:	DRG No. PCX-V0013-2.SCH

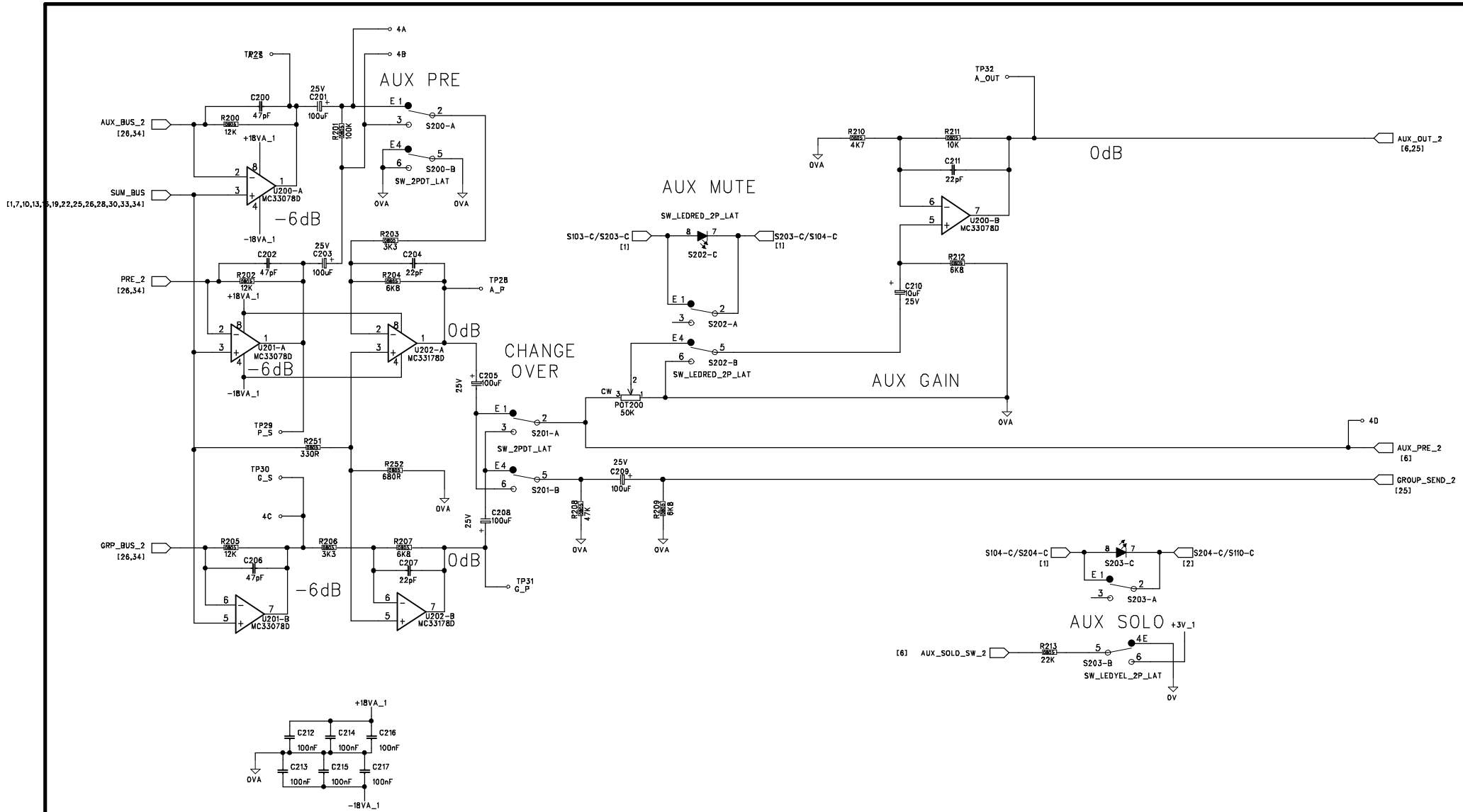


FOR CHANGES SEE ECN4276	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

UNIT: VERONA
 TITLE: OUTPUT FADER
 BOARD No. V0013 BOARD Iss. 2

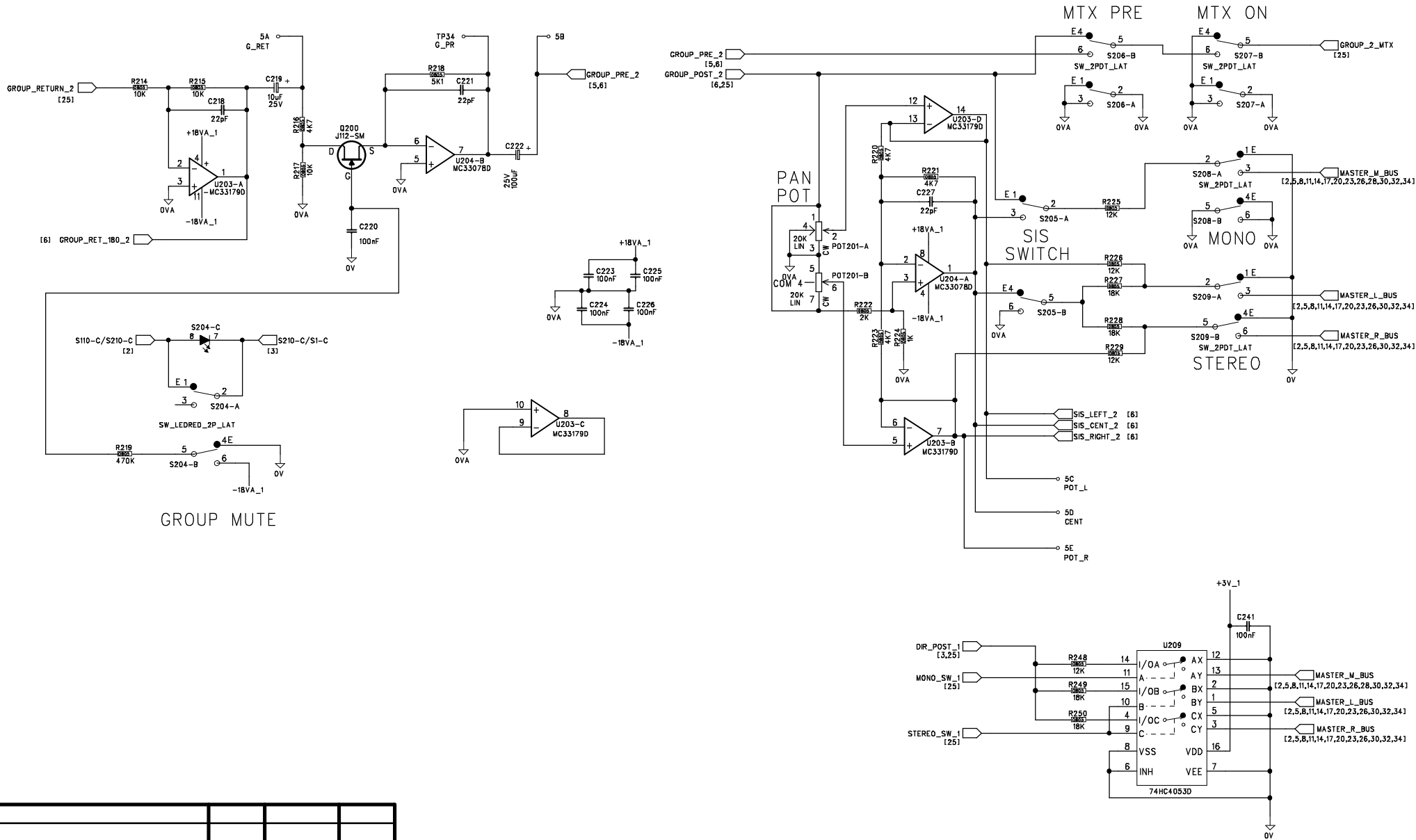
MIDAS AUDIO

DRAWN: AC DATE: 08-01-04 SHEET: 2 OF 34
 CHECKED: DRG No. PCX-V0013-2.SCH



FOR CHANGES SEE ECN4276	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

UNIT: VERONA	MIDAS AUDIO		
TITLE: OUTPUT FADER	DRAWN: AC	DATE: 08-01-04	SHEET: 4 OF 34
BOARD No. V0013 BOARD Iss. 2	CHECKED:	DRG No. PCX-V0013-2.SCH	



UNIT: VERONA

MIDAS AUDIO

TITLE: OUTPUT FADER

DRAWN: AC

DATE: 08-01-04

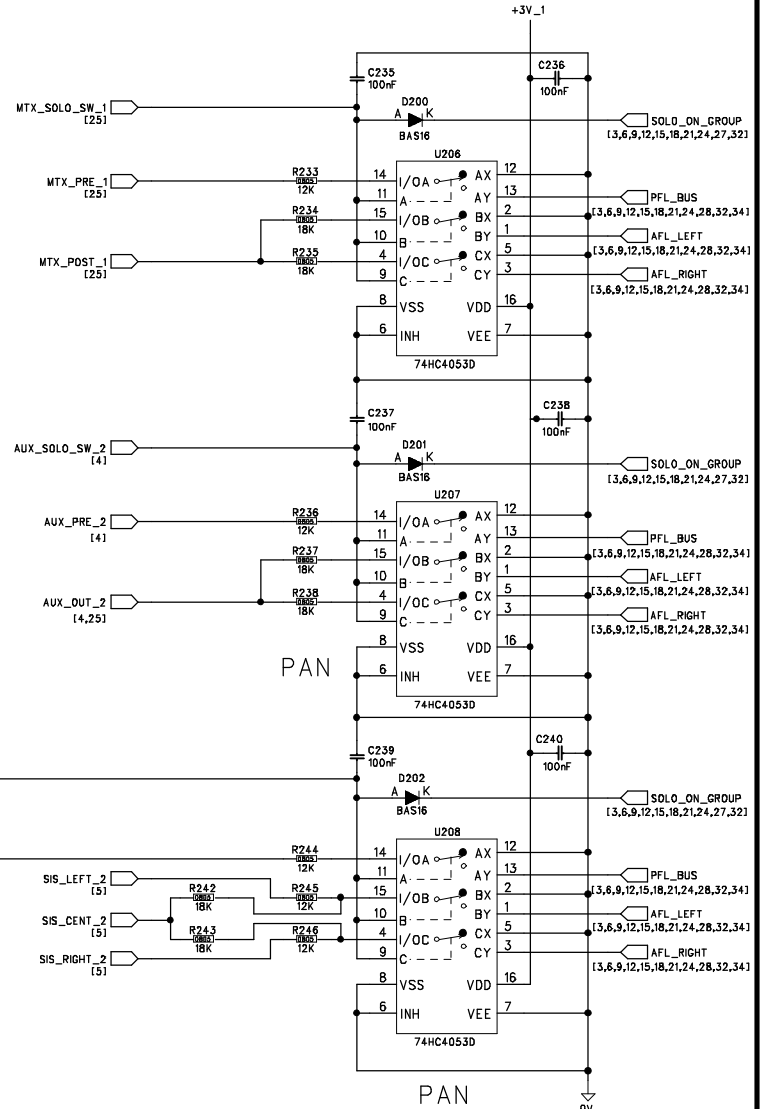
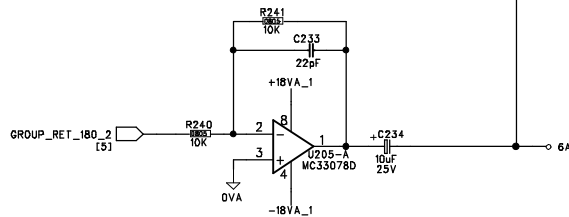
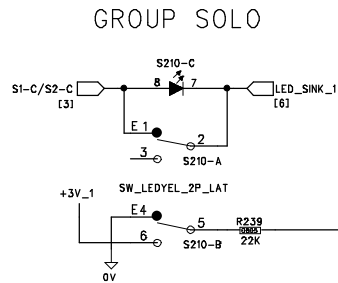
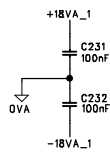
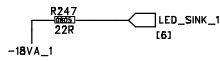
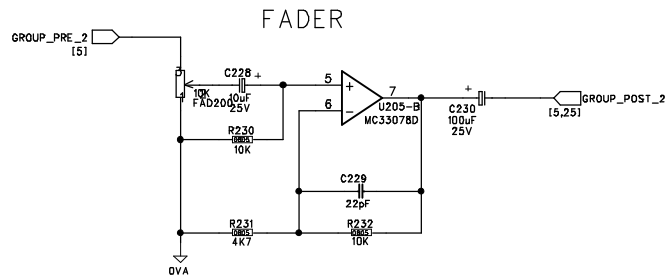
SHEET: 5 OF 34

BOARD No. V0013 BOARD Iss. 2

CHECKED:

DRG No. PCX-V0013-2.SCH

FOR CHANGES SEE ECN4276	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.



FOR CHANGES SEE ECN4276	1.1	AA	31-10-03
AMENDMENTS	ISS.	INT.	DATE.

UNIT: VERONA

TITLE: OUTPUT FADER

BOARD No. V0013 BOARD Iss. 2

MIDAS AUDIO

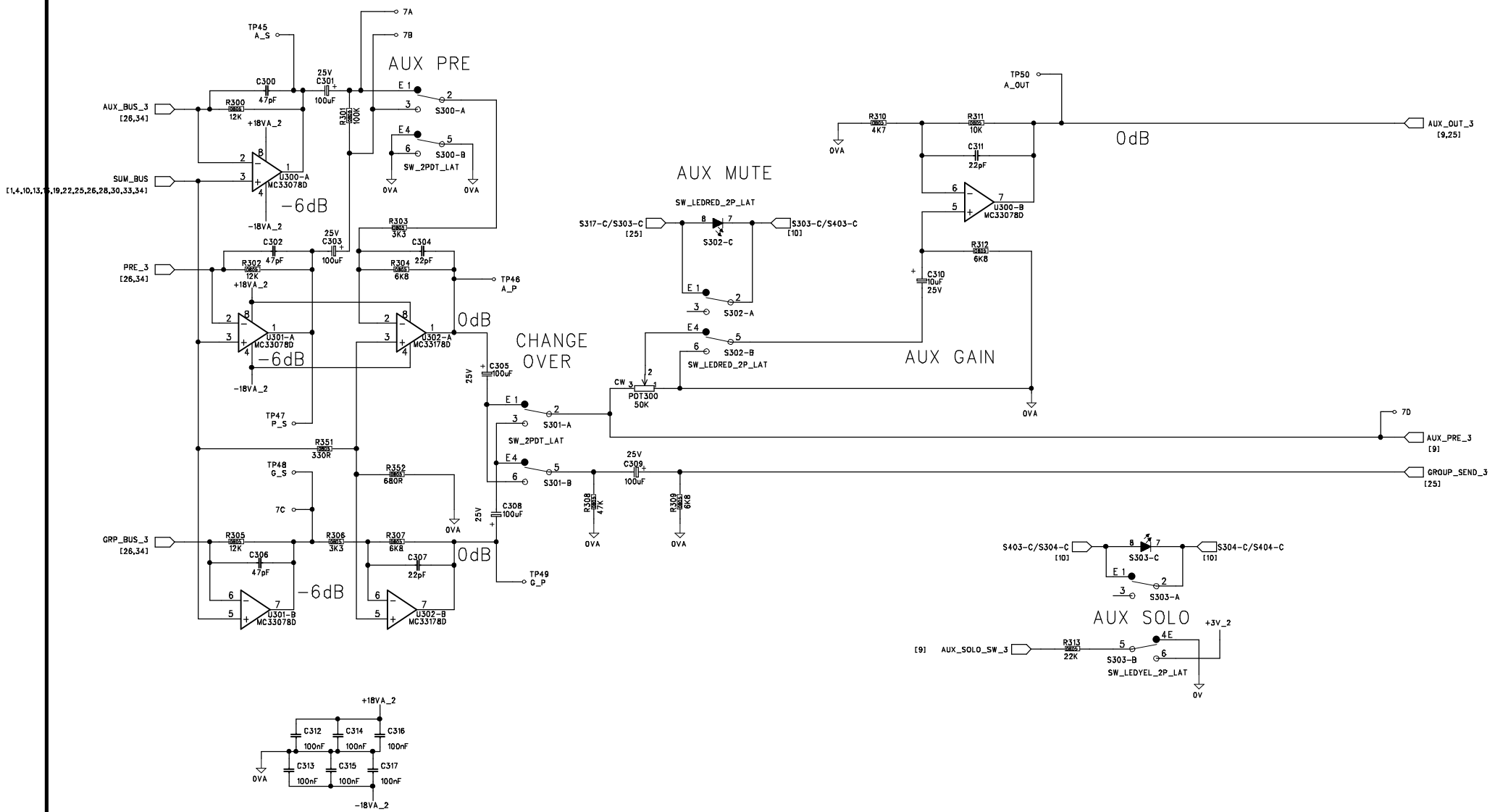
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CHECKED:

DATE: 08-01-04

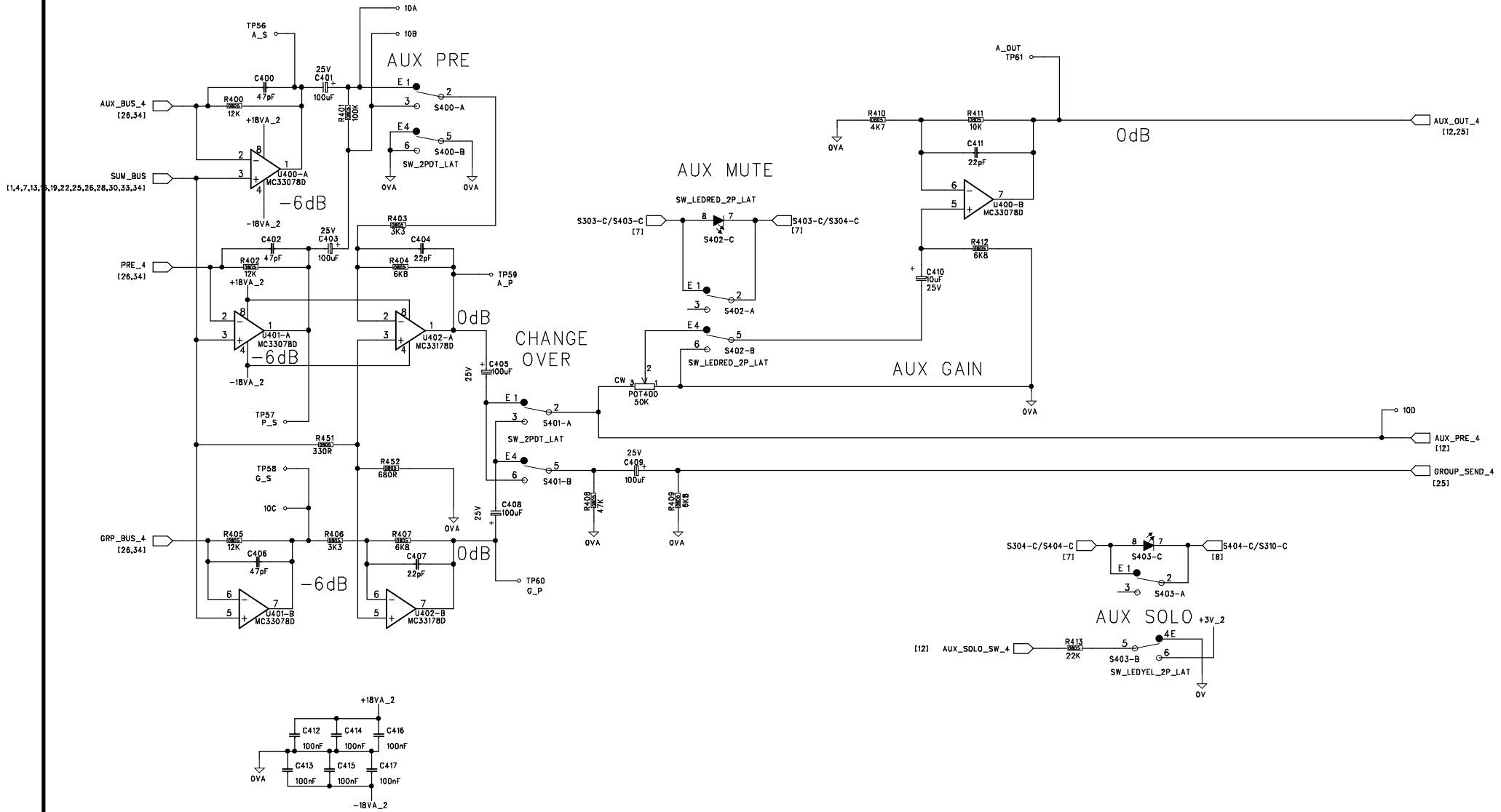
DRG No. PCX-V0013-2.SCH

SHEET: 6 OF 34



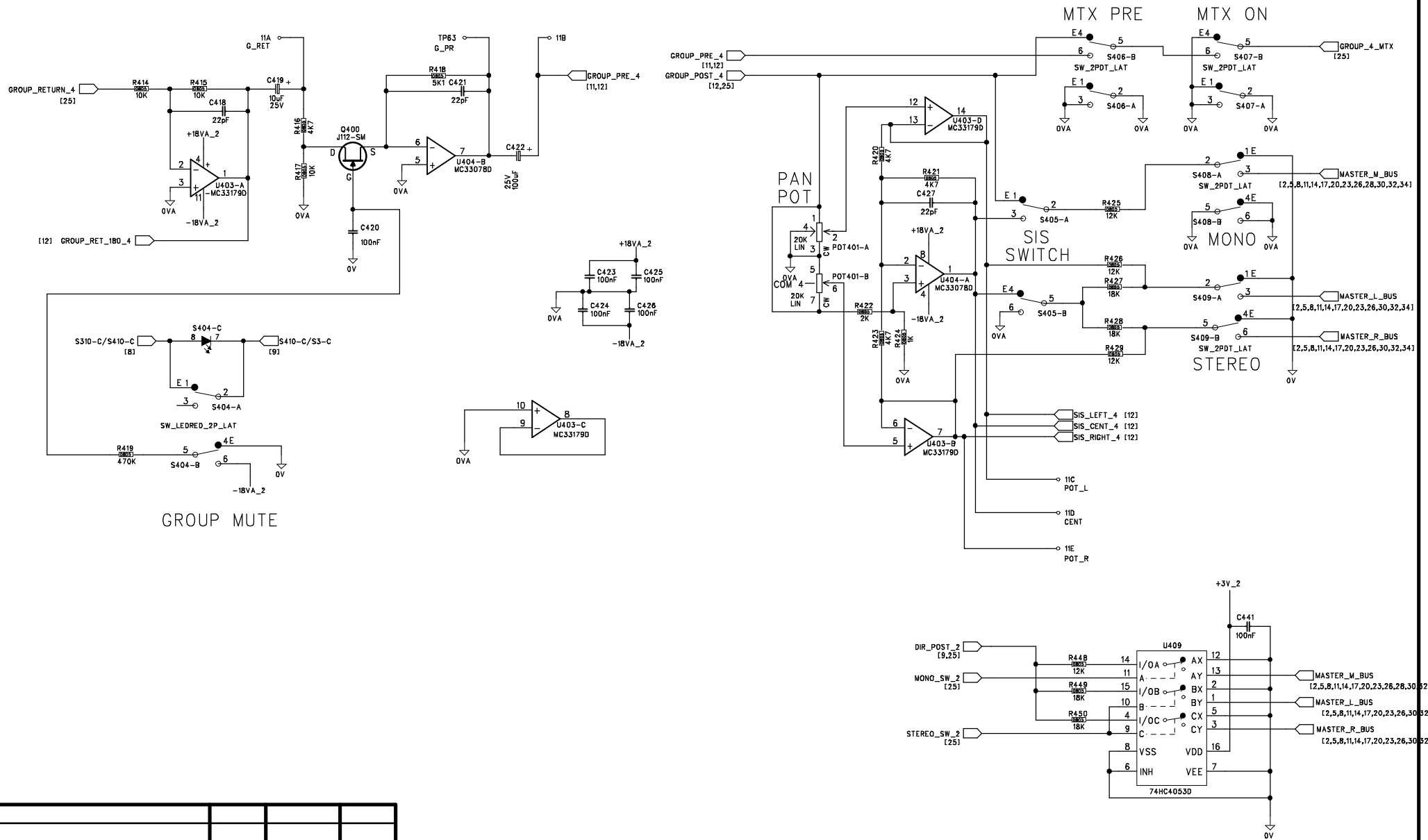
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AMENDMENTS	ISS.	INIT.	DATE.

UNIT: VERONA	MIDAS AUDIO		
TITLE: OUTPUT FADER	DRAWN: AC	DATE: 08-01-04	SHEET: 7 OF 34
BOARD No. V0013 BOARD Iss. 2	CHECKED:	DRG No. PCX-V0013-2.SCH	



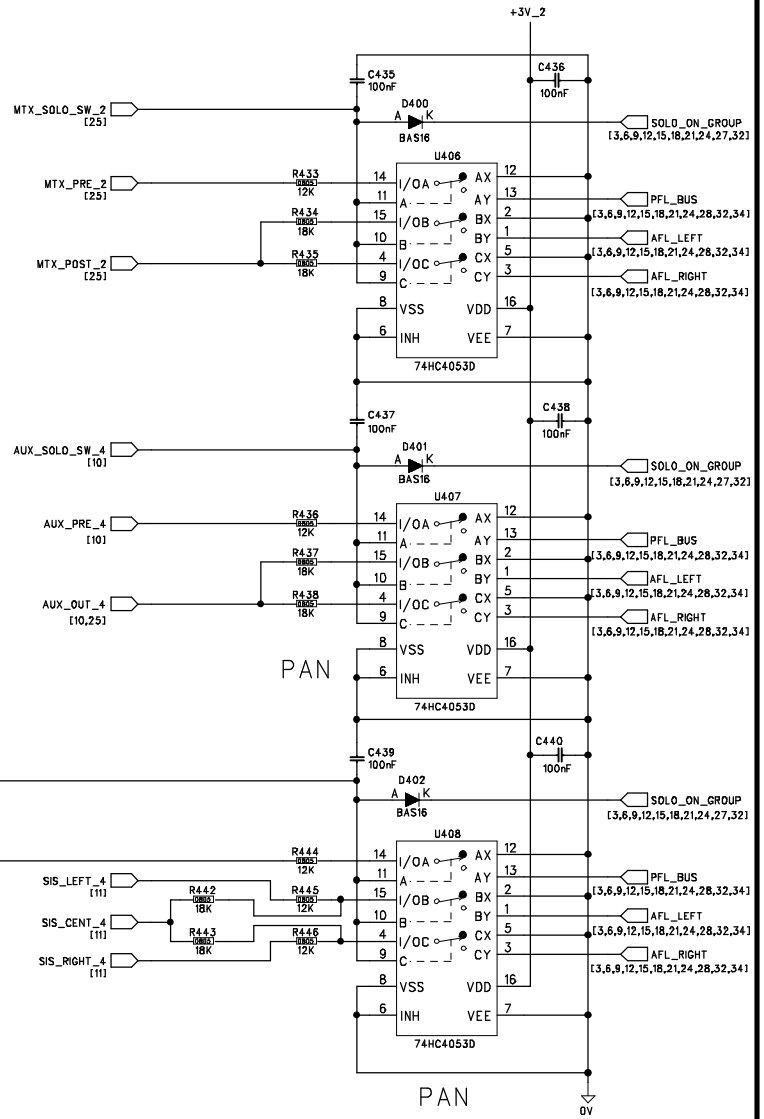
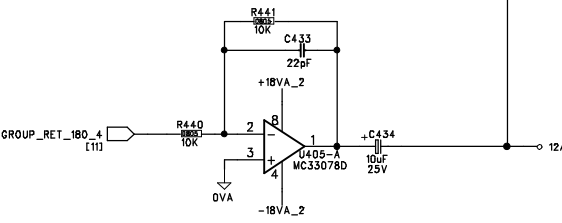
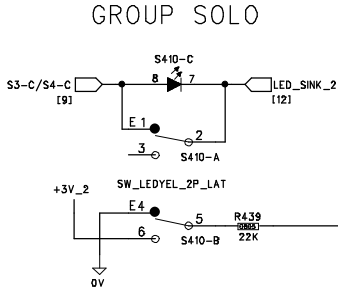
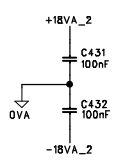
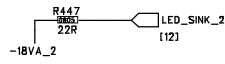
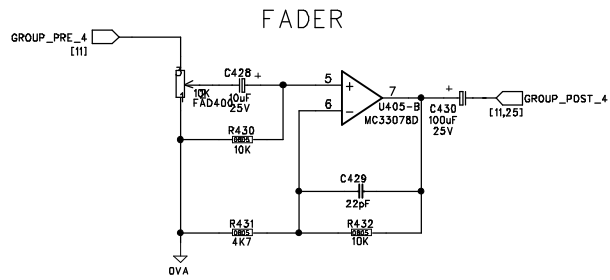
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AMENDMENTS	ISS.	INIT.	DATE.

UNIT: VERONA	MIDAS AUDIO		
TITLE: OUTPUT FADER	DRAWN: AC	DATE: 08-01-04	SHEET: 10 OF 34
BOARD No. V0013 BOARD Iss. 2	CHECKED:	DRG No. PCX-V0013-2.SCH	

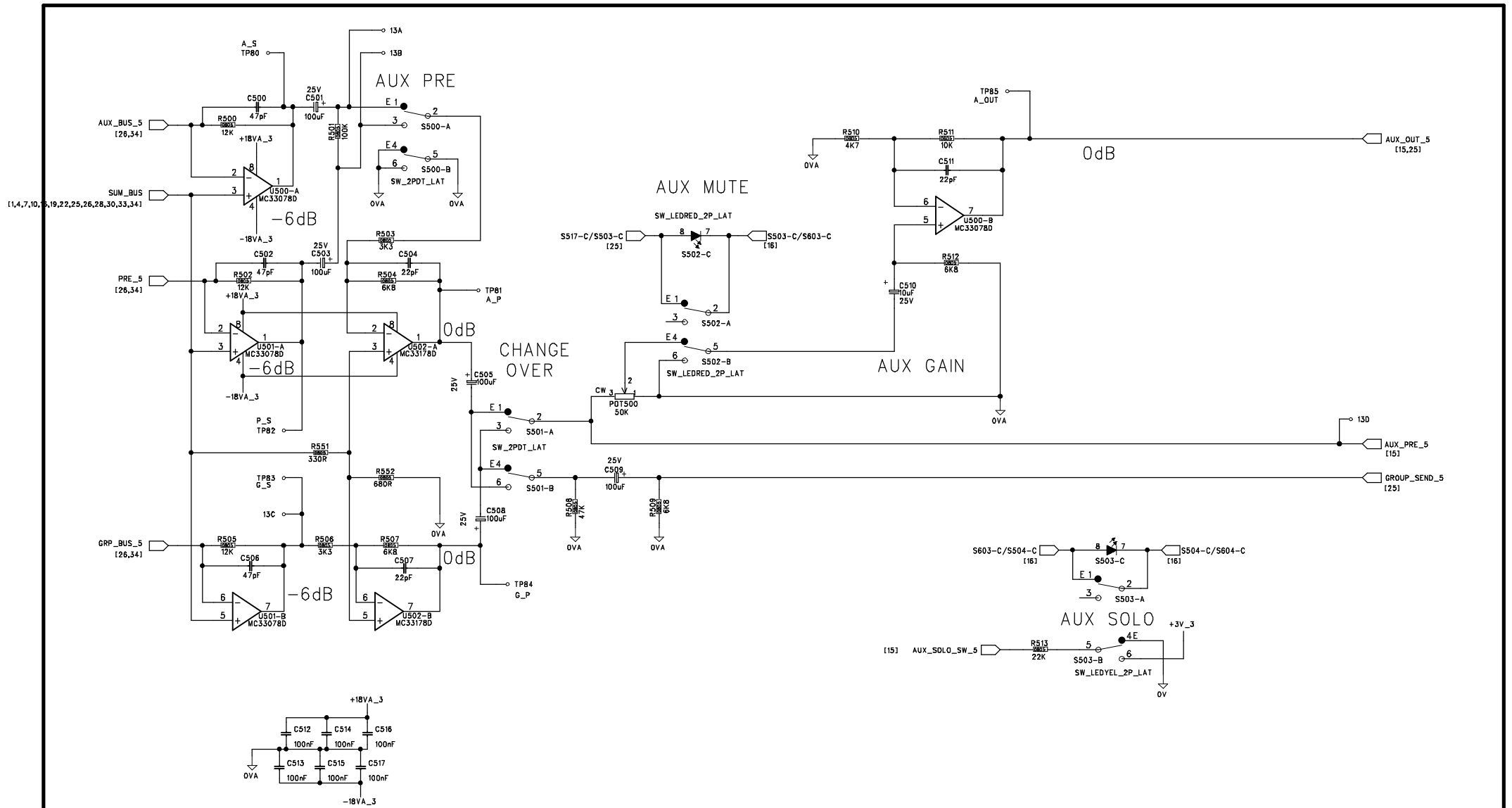


FOR CHANGES SEE ECN4276	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

UNIT: VERONA	MIDAS AUDIO		
TITLE: OUTPUT FADER			
DRAWN: AC	DATE: 08-01-04	SHEET: 11 OF 34	
CHECKED:	DRG No. PCX-V0013-2.SCH		
BOARD No. V0013 BOARD Iss. 2			

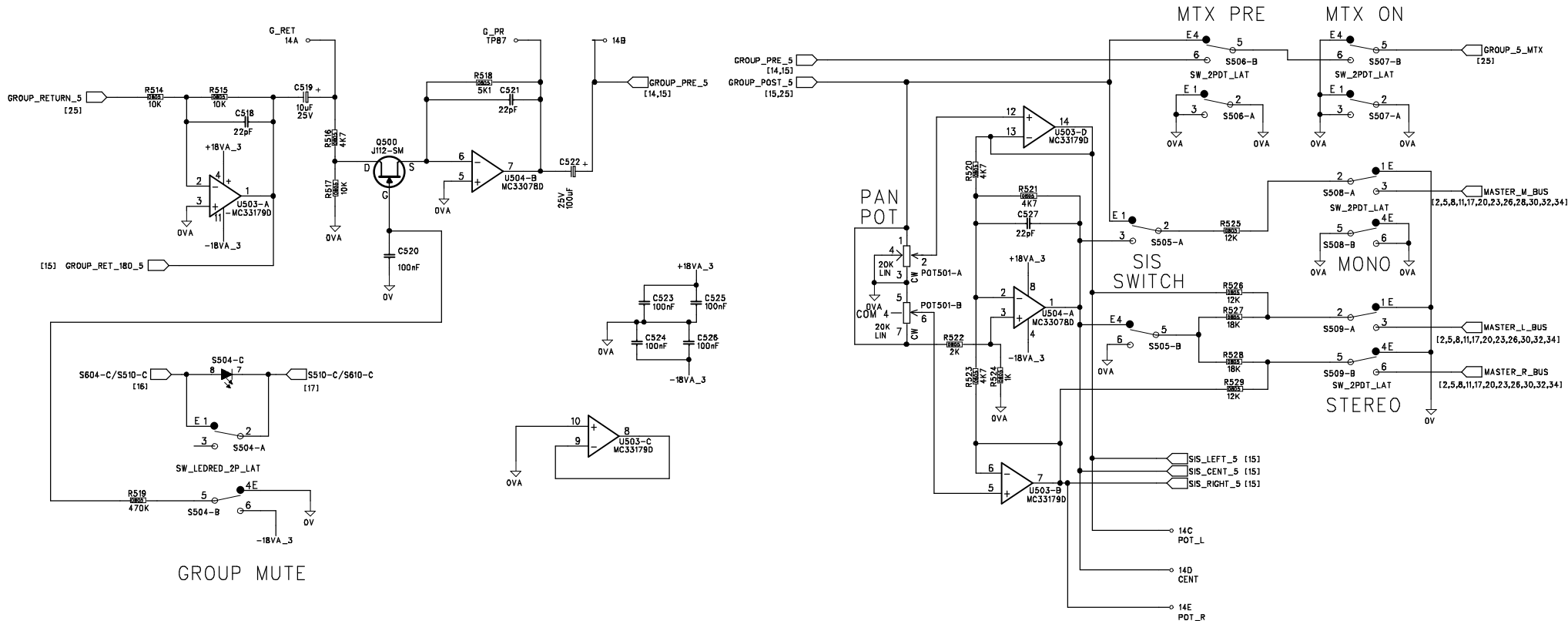


UNIT:	VERONA	<h1>MIDAS AUDIO</h1>									
TITLE:	OUTPUT FADER										
FOR CHANGES SEE ECN4276	1.1	AA	31-10-03	DRAWN:	AC	DATE:	08-01-04	SHEET:	12 OF 34		
AMENDMENTS	ISS.	INT.	DATE.	BOARD No.	V0013	BOARD Iss.	2	CHECKED:		DRG No.	PCX-V0013-2.SCH



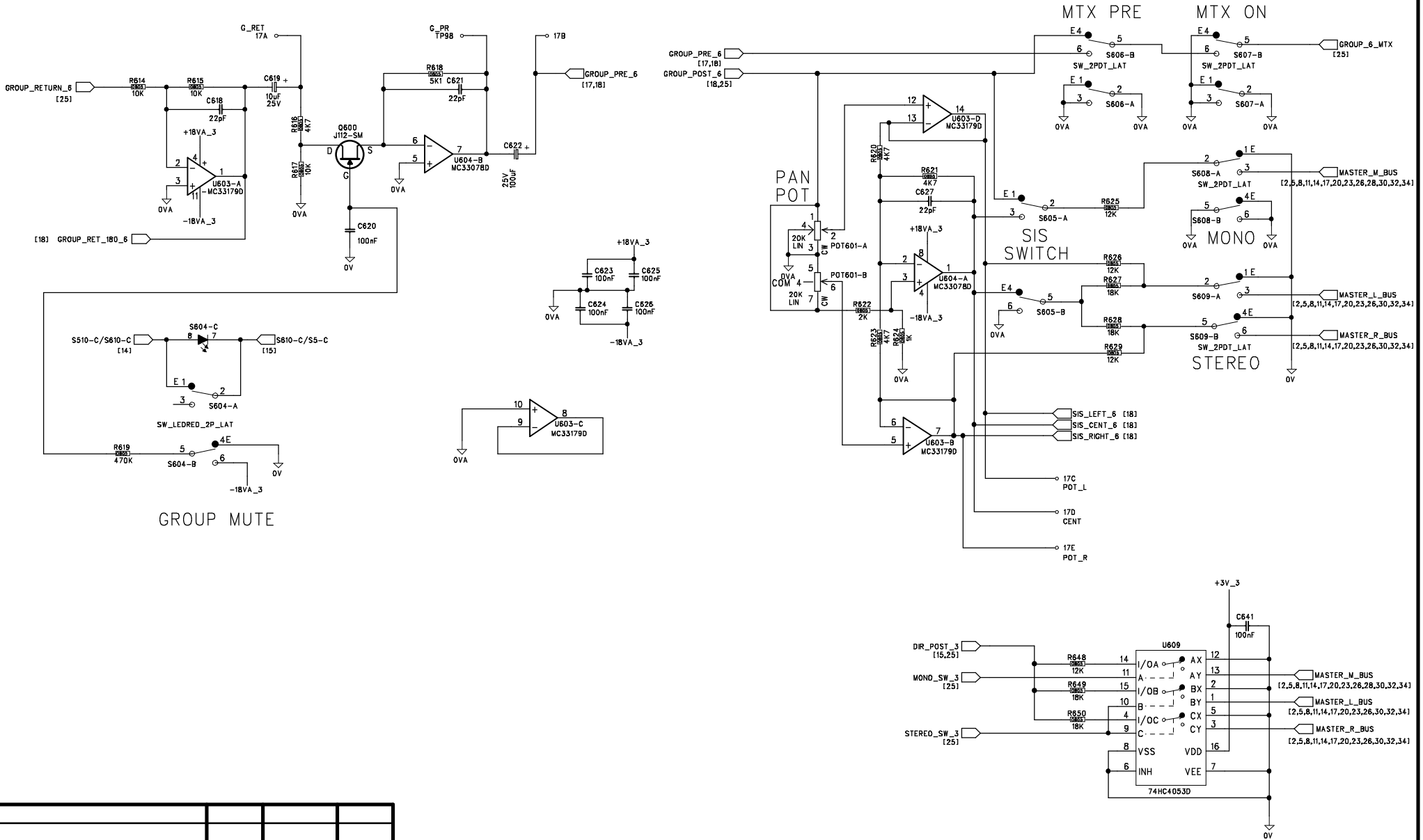
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AMENDMENTS	ISS.	INIT.	DATE.

UNIT: VERONA	MIDAS AUDIO		
TITLE: OUTPUT FADER	DRAWN: AC	DATE: 08-01-04	SHEET: 13 OF 34
BOARD No. V0013 BOARD Iss. 2	CHECKED:	DRG No. PCX-V0013-2.SCH	



FOR CHANGES SEE ECN4276	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

UNIT: VERONA	MIDAS AUDIO		
TITLE: OUTPUT FADER	DRAWN: AC	DATE: 08-01-04	SHEET: 14 OF 34
BOARD No. V0013 BOARD Iss. 2	CHECKED:	DRG No. PCX-V0013-2.SCH	



UNIT: VERONA

MIDAS AUDIO

TITLE: OUTPUT FADER

DRAWN: AC

DATE: 08-01-04

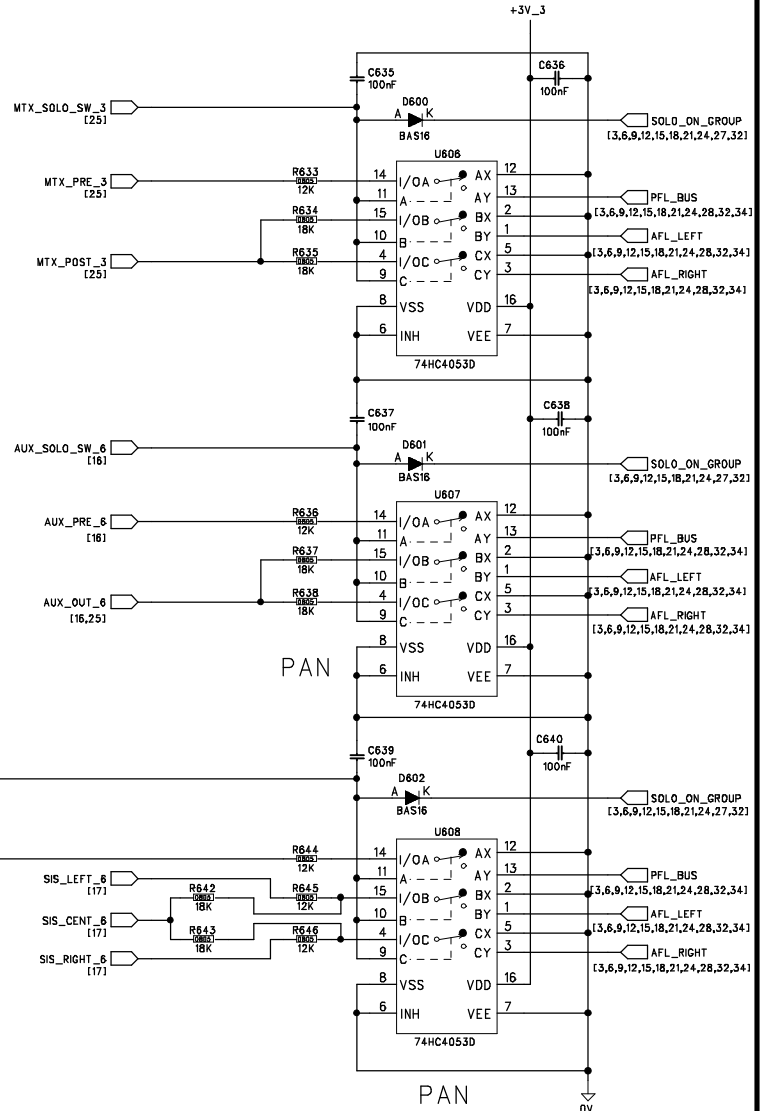
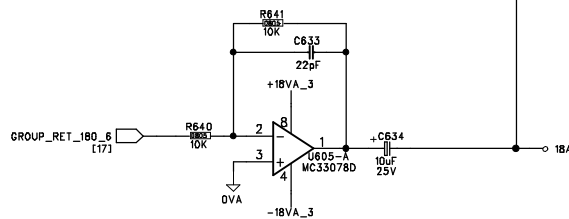
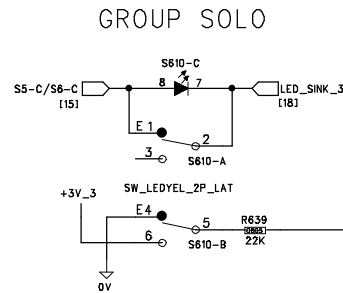
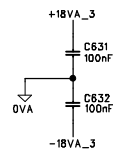
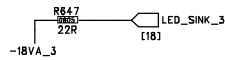
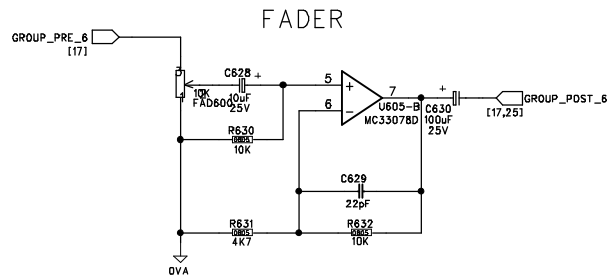
SHEET: 17 OF 34

BOARD No. V0013 BOARD Iss. 2

CHECKED:

DRG No. PCX-V0013-2.SCH

FOR CHANGES SEE ECN4276	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.



UNIT: VERONA

MIDAS AUDIO

TITLE: OUTPUT FADER

DRAWN: AC

DATE: 08-01-04

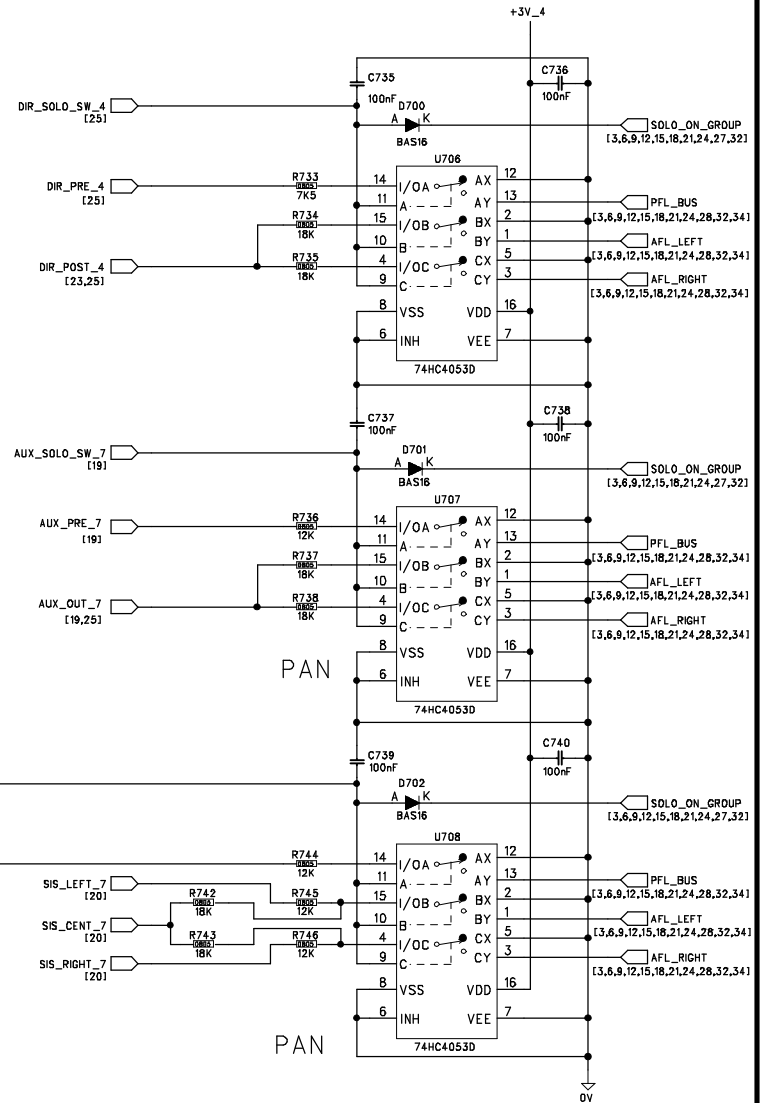
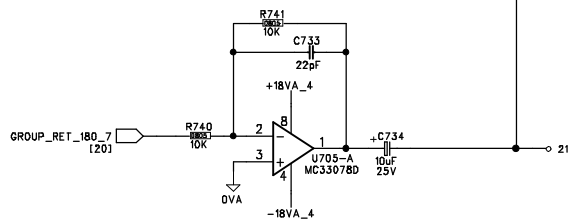
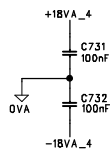
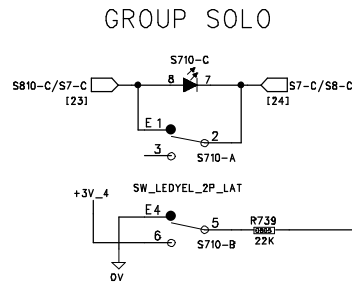
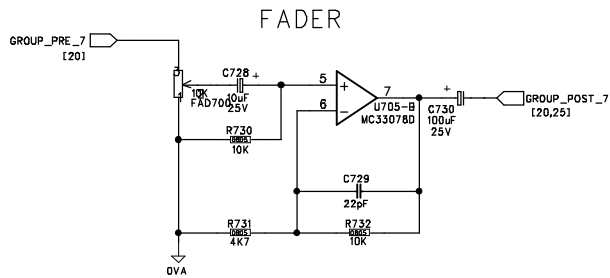
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BOARD No. V0013 BOARD Iss. 2

CHECKED:

DRG No. PCX-V0013-2.SCH

FOR CHANGES SEE ECN4276	1.1	AA	31-10-03
AMENDMENTS	ISS.	INT.	DATE.



UNIT: VERONA

MIDAS AUDIO

TITLE: OUTPUT FADER

DRAWN: AC

DATE: 08-01-04

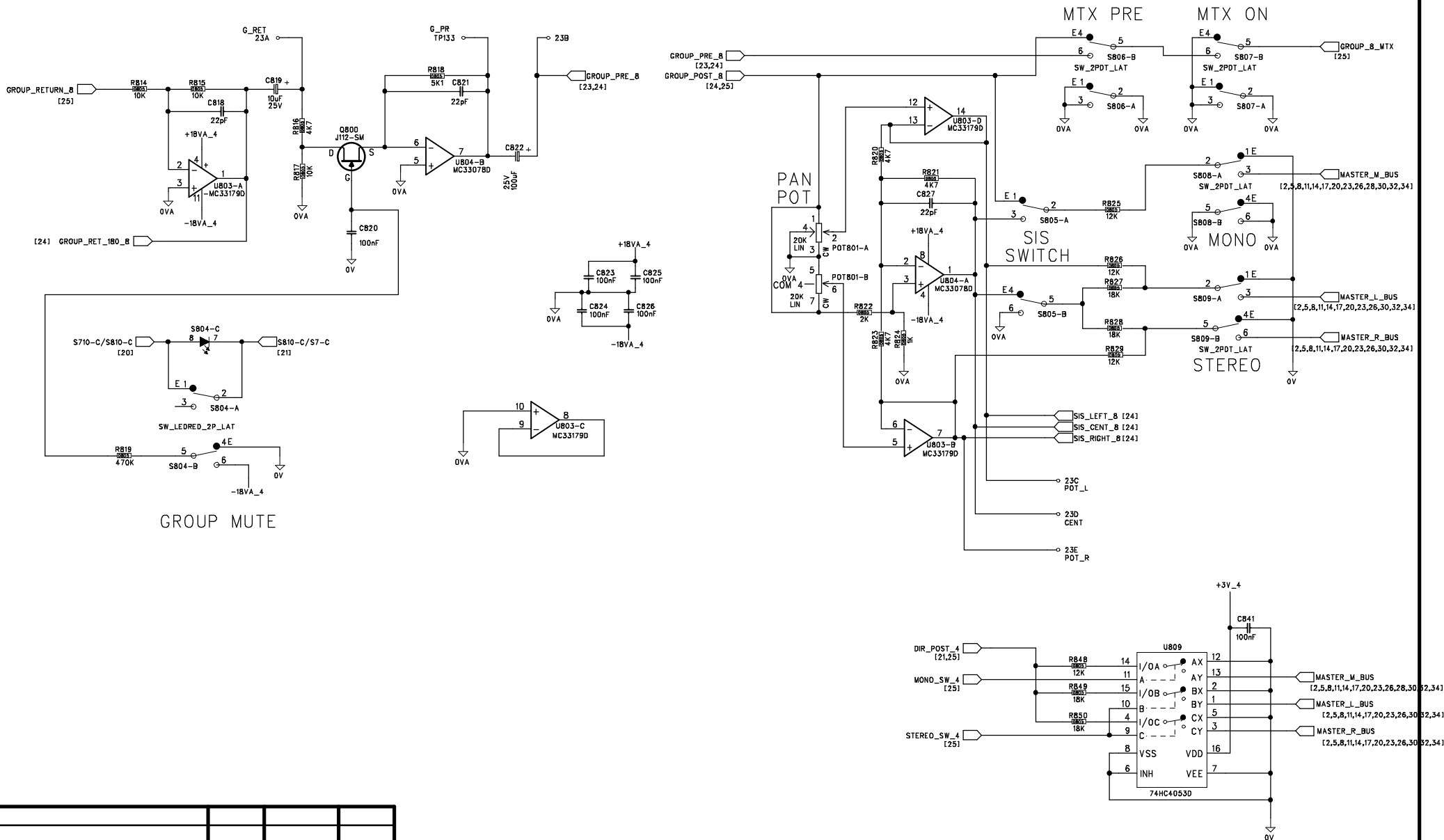
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BOARD No. V0013 BOARD Iss. 2

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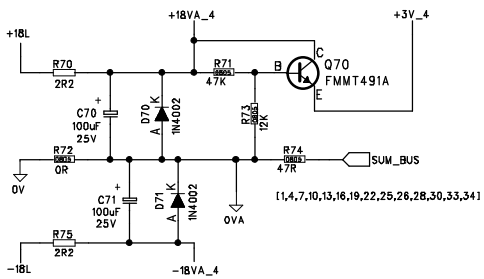
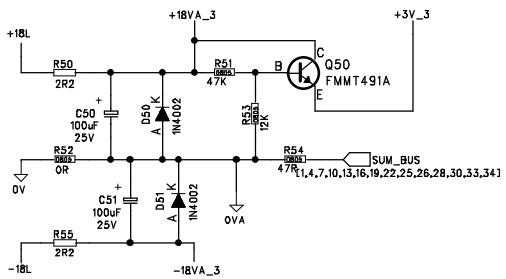
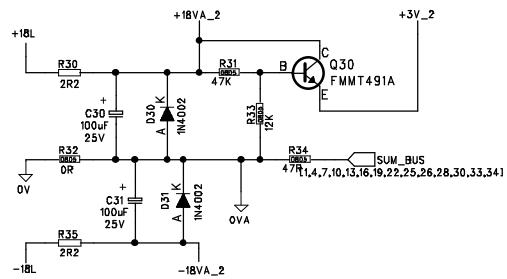
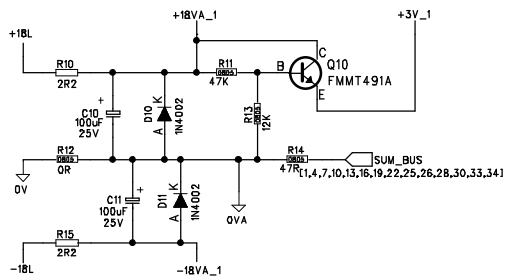
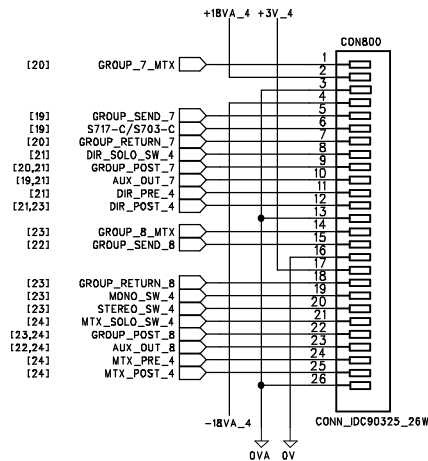
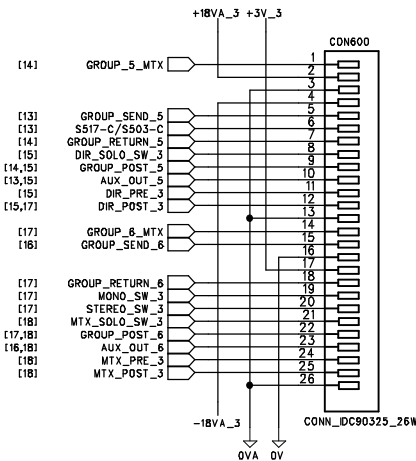
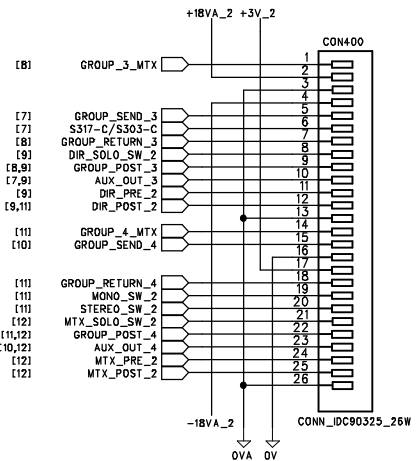
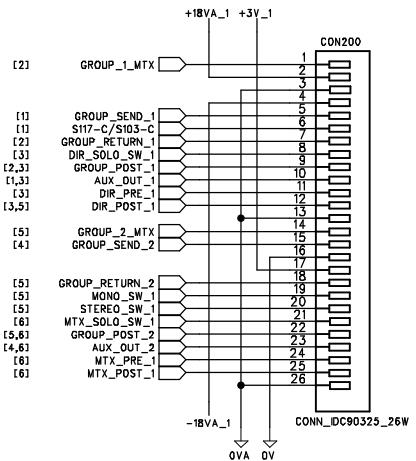
DRG No. PCX-V0013-2.SCH

FOR CHANGES SEE ECN4276	1.1	AA	31-10-03
AMENDMENTS	ISS.	INT.	DATE.



FOR CHANGES SEE ECN4276	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

UNIT: VERONA	MIDAS AUDIO		
TITLE: OUTPUT FADER	DRAWN: AC	DATE: 08-01-04	SHEET: 23 OF 34
BOARD No. V0013 BOARD Iss. 2	CHECKED:	DRG No. PCX-V0013-2.SCH	



UNIT: VERONA

MIDAS AUDIO

TITLE: OUTPUT FADER

DRAWN: AC

DATE: 08-01-04

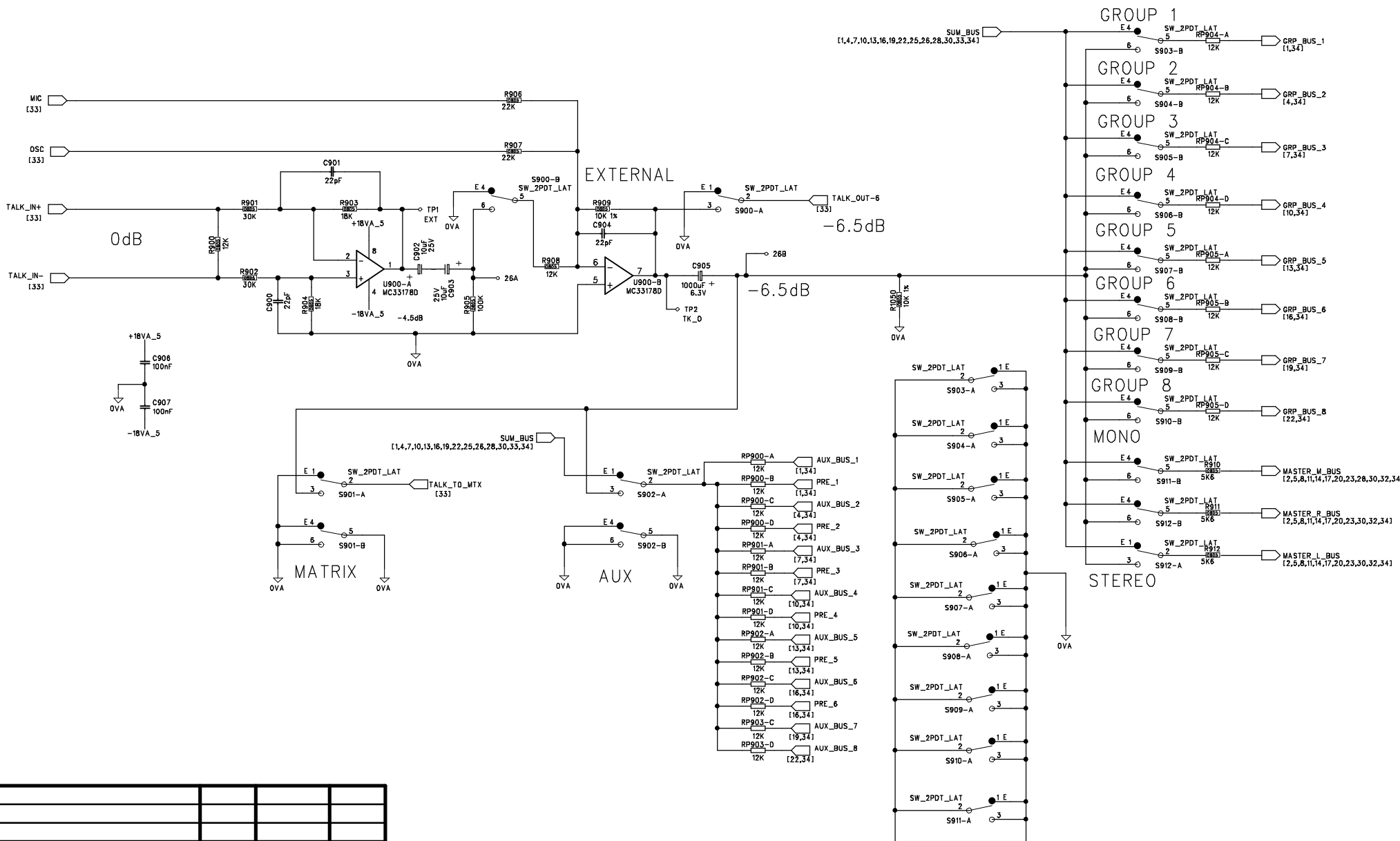
SHEET: 25 OF 34

BOARD No. V0013 BOARD Iss. 2

CHECKED:

DRG No. PCX-V0013-2.SCH

FOR CHANGES SEE ECN4276	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.



UNIT: VERONA

MIDAS AUDIO

TITLE: OUTPUT FADER

DRAWN: AC

DATE: 08-01-04

SHEET: 26 OF 34

BOARD No. V0013 BOARD Iss. 2

CHECKED:

DRG No. PCX-V0013-2.SCH

FOR CHANGES SEE ECN4276

1.1

AA

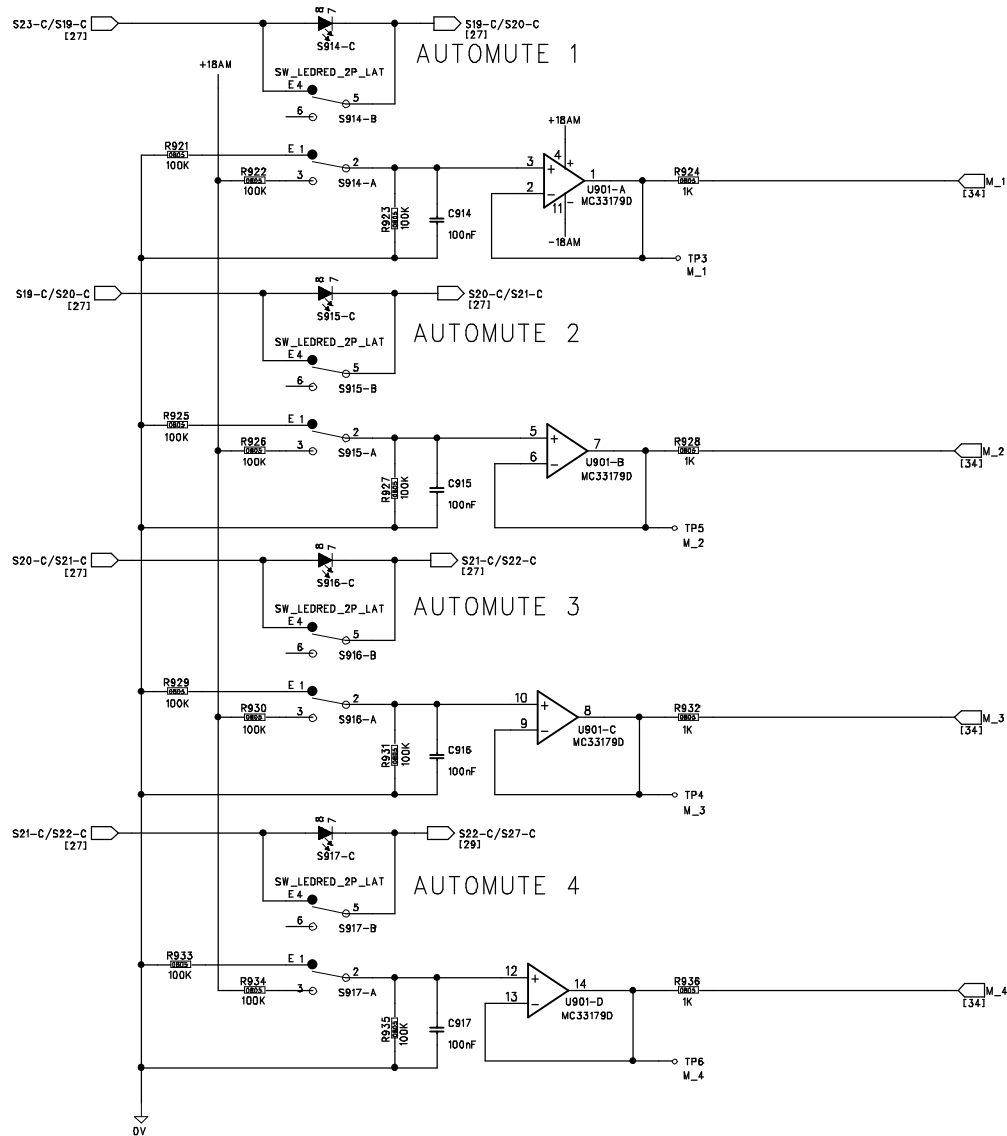
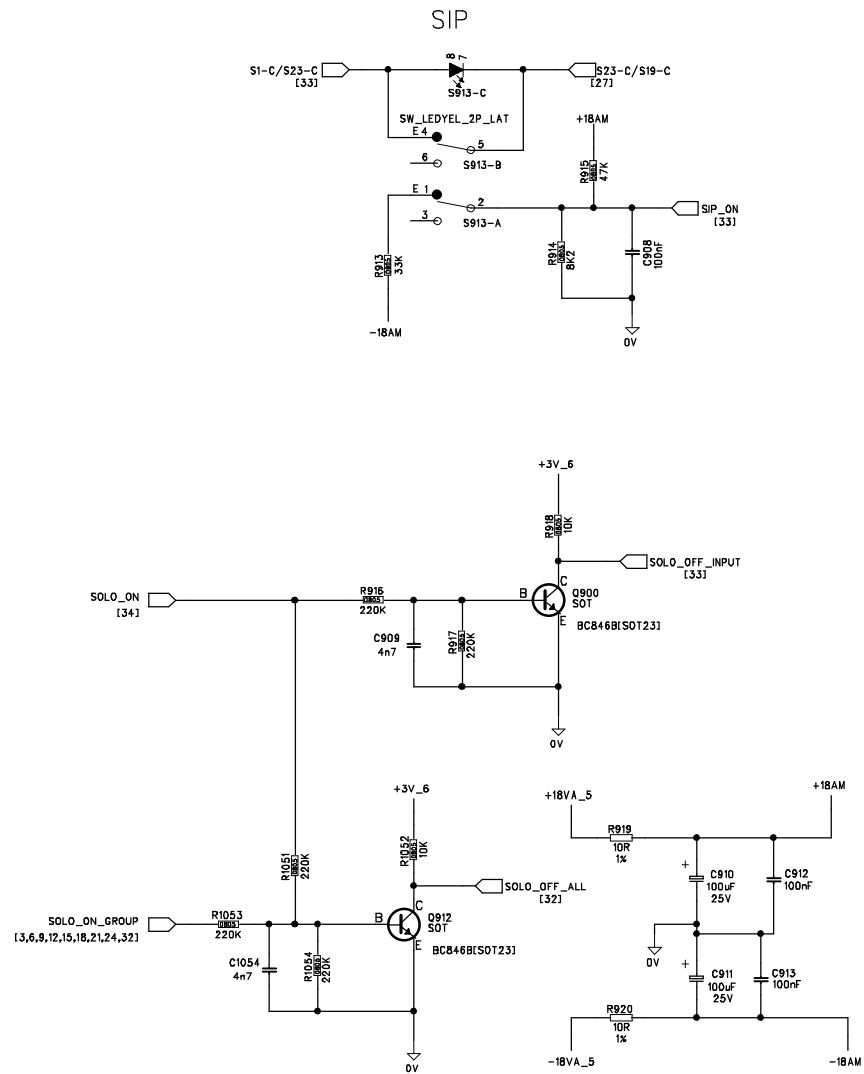
31-10-03

AMENDMENTS

ISS.

INIT.

DATE.



UNIT: VERONA

MIDAS AUDIO

TITLE: OUTPUT FADER

DRAWN: AC

DATE: 08-01-04

SHEET: 27 OF 34

BOARD No. V0013 BOARD Iss. 2

CHECKED:

DRG No. PCX-V0013-2.SCH

FOR CHANGES SEE ECN4276

1.1

AA

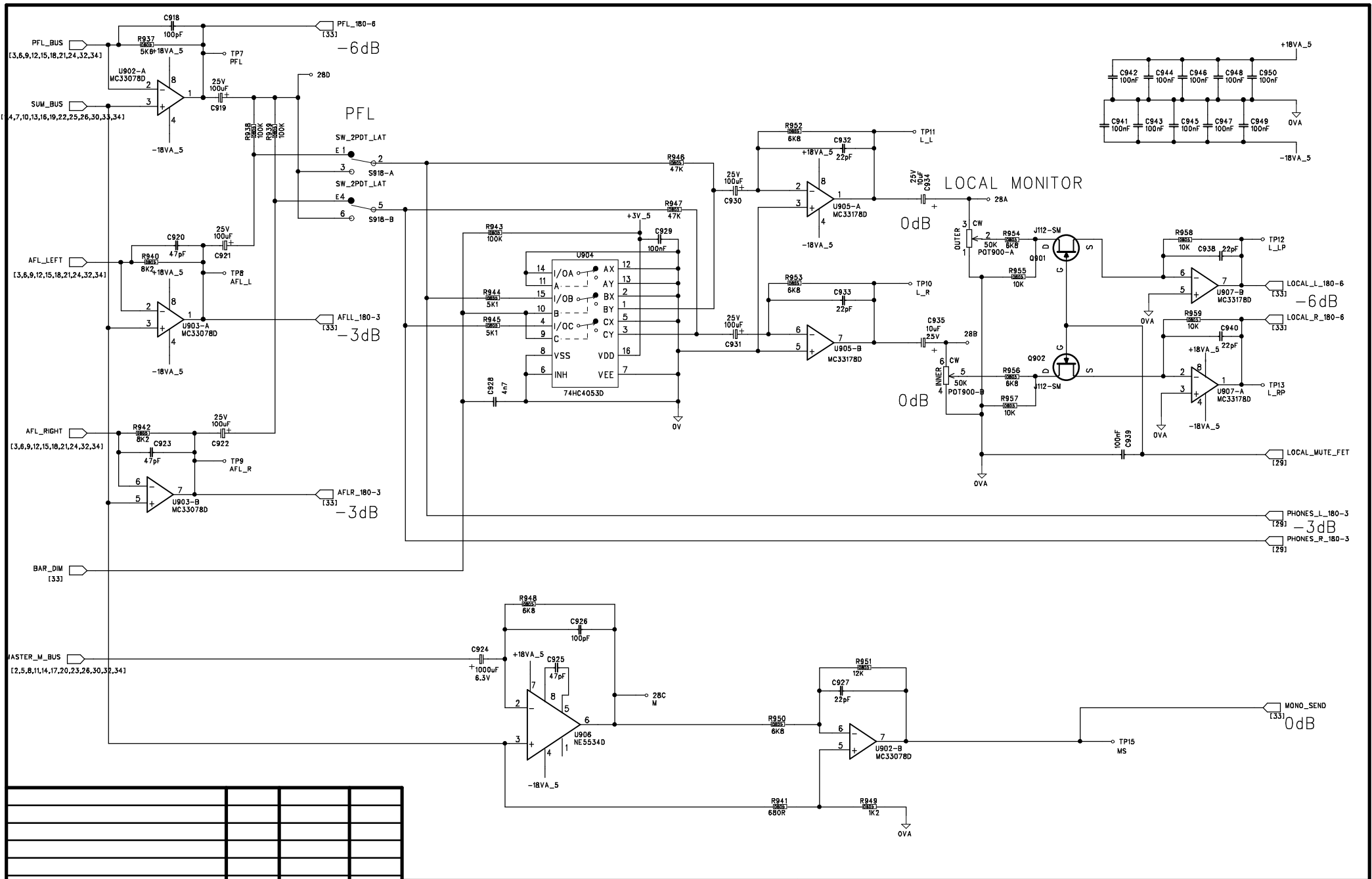
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AMENDMENTS

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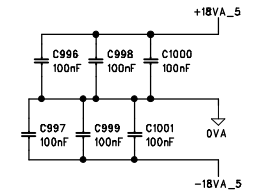
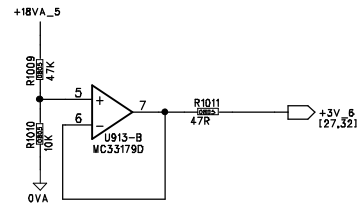
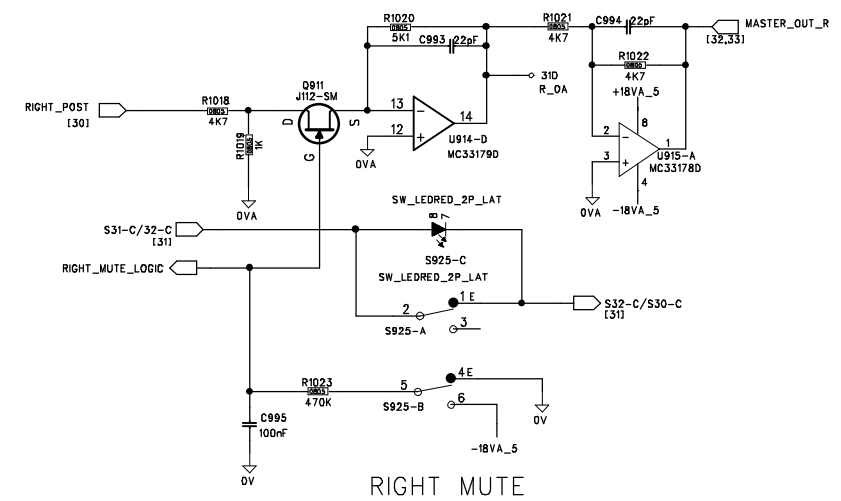
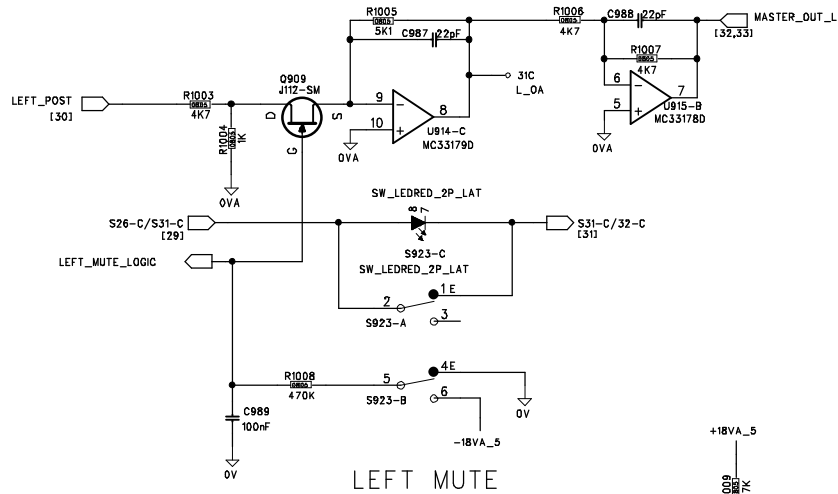
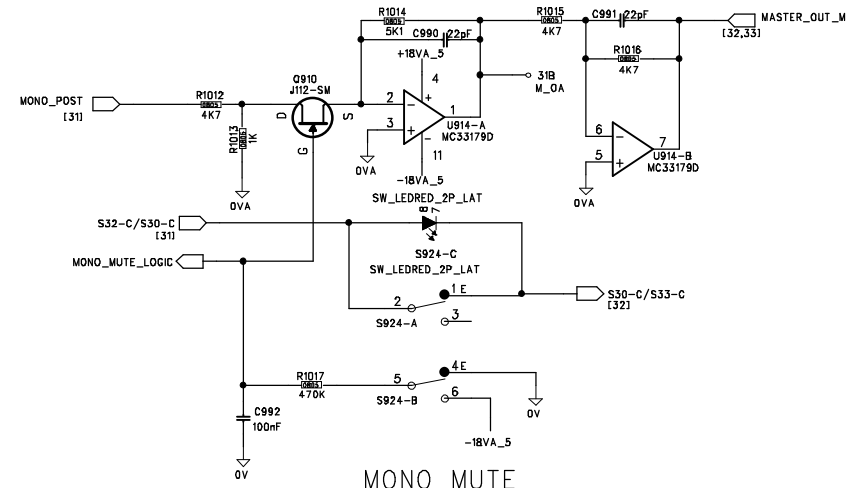
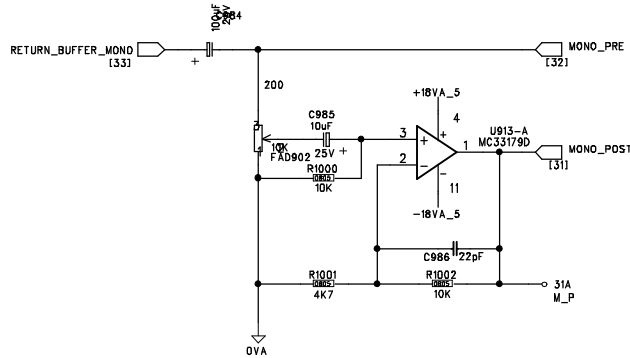
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FOR CHANGES SEE ECN4276	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.

UNIT: VERONA	MIDAS AUDIO		
TITLE: OUTPUT FADER	DRAWN: AC	DATE: 08-01-04	SHEET: 28 OF 34
BOARD No. V0013 BOARD Iss. 2	CHECKED:	DRG No. PCX-V0013-2.SCH	

FADER CASE CONNECTED TO 0V



UNIT: VERONA

MIDAS AUDIO

TITLE: OUTPUT FADER

DRAWN: AC

DATE: 08-01-04

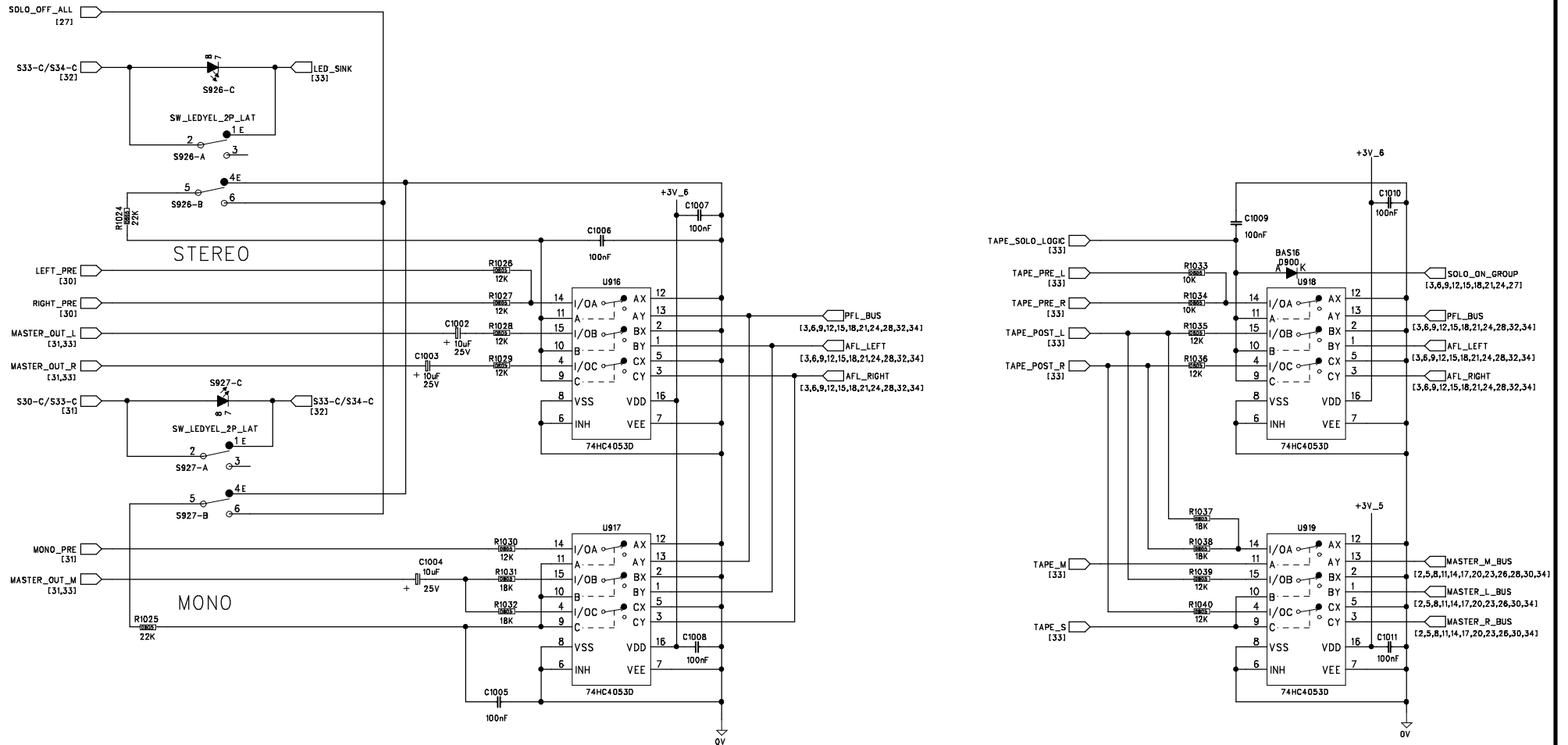
SHEET: 31 OF 34

BOARD No. V0013 BOARD Iss. 2

CHECKED:

DRG No. PCX-V0013-2.SCH

FOR CHANGES SEE ECN4276	1.1	AA	31-10-03
AMENDMENTS	ISS.	INIT.	DATE.



UNIT: VERONA

MIDAS AUDIO

TITLE: OUTPUT FADER

DRAWN: AC

DATE: 08-01-04

SHEET: 32 OF 34

BOARD No. V0013 BOARD Iss. 2

CHECKED:

DRG No. PCX-V0013-2.SCH

FOR CHANGES SEE ECN4276

1.1

AA

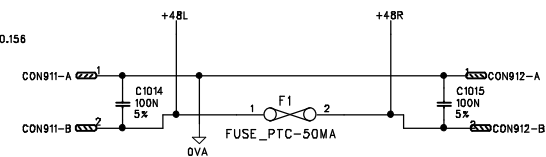
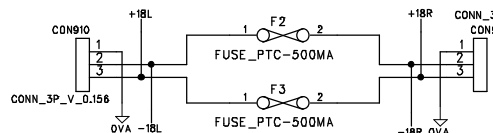
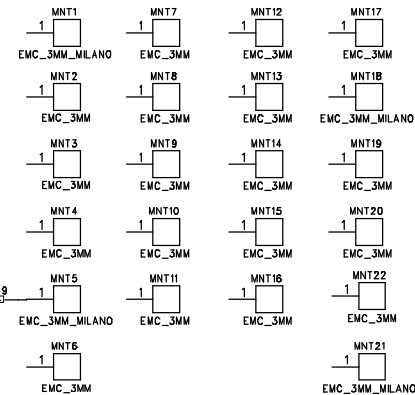
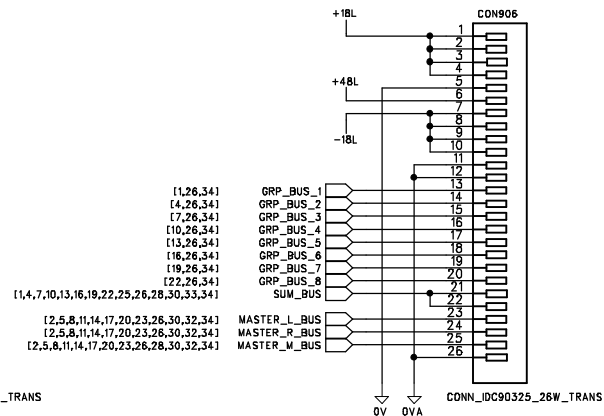
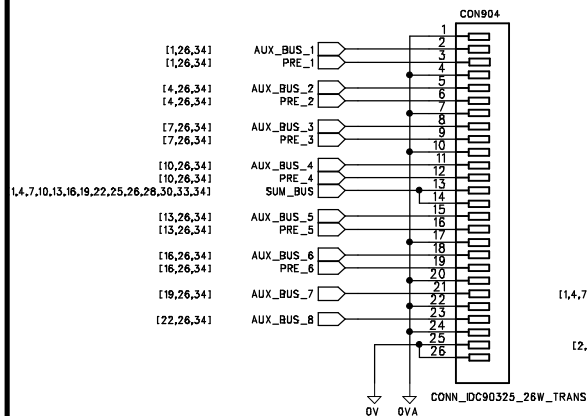
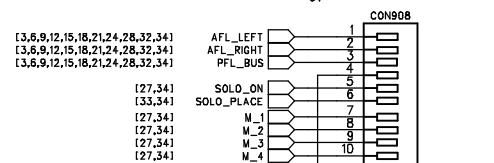
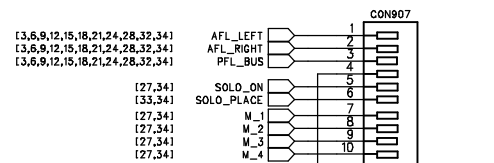
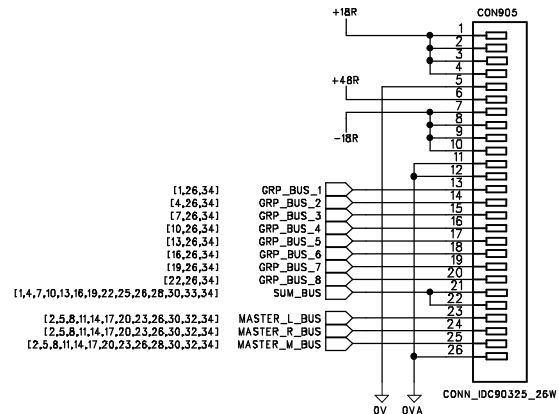
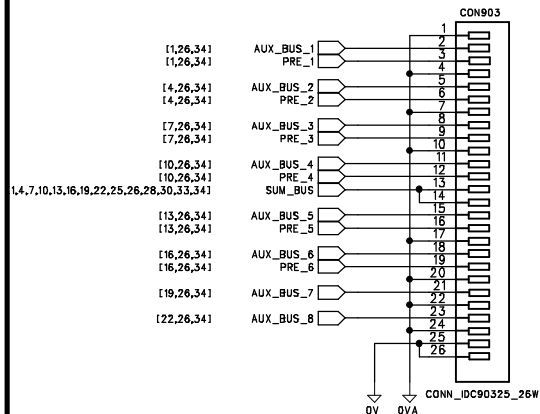
31-10-03

AMENDMENTS

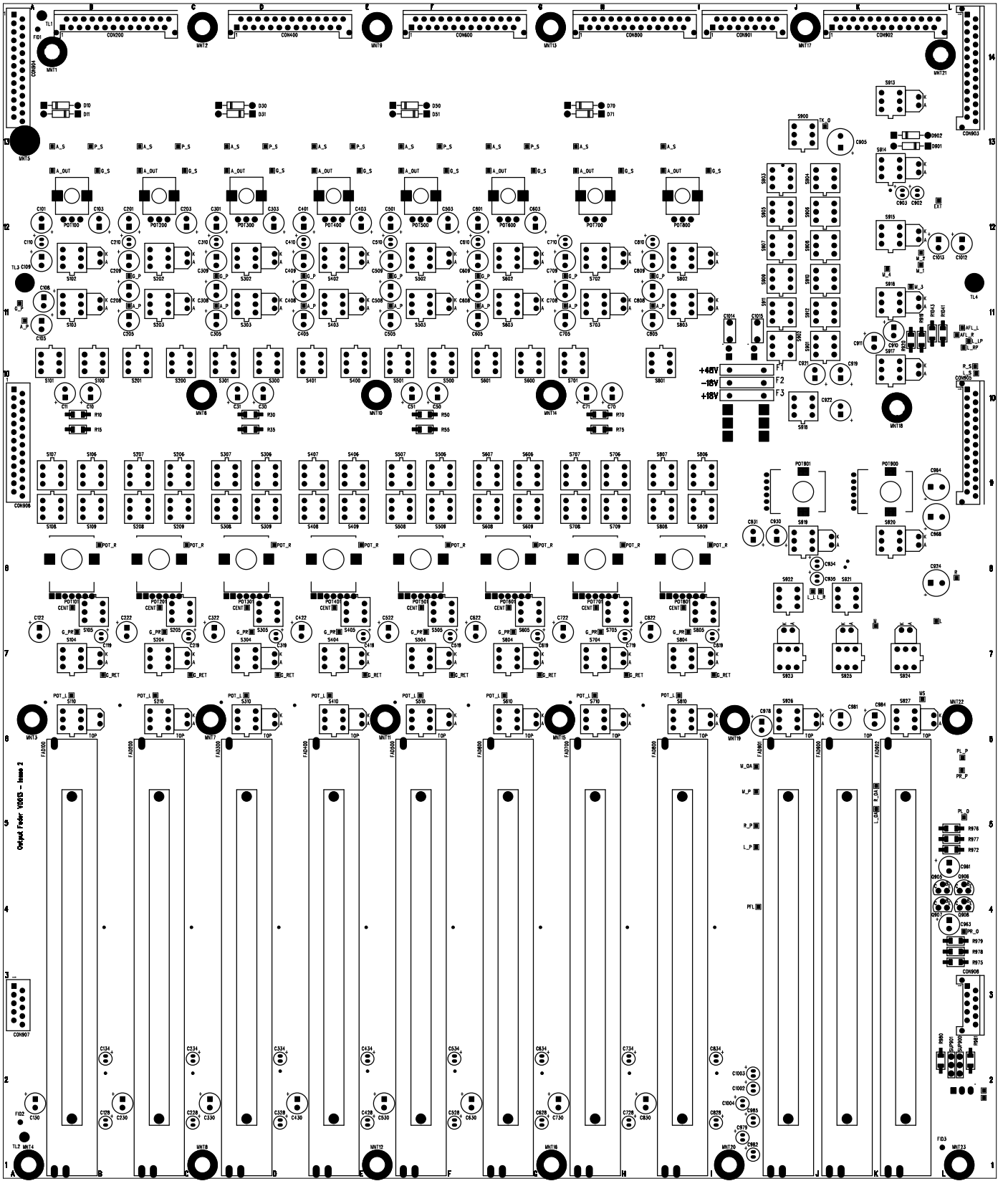
ISS.

INIT.

DATE.



FOR CHANGES SEE ECN4276	1.1	AA	31-10-03
AMENDMENTS	ISS.	INT.	DATE.



Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
1A	Bottom	A12
1B	Bottom	A12
1C	Bottom	A11
1D	Bottom	B3
2A	Bottom	B6
2B	Bottom	A6
2C	Bottom	A6
2D	Bottom	A7
2E	Bottom	B8
3A	Bottom	B2
4A	Bottom	B12
4B	Bottom	B12
4C	Bottom	B11
4D	Bottom	C3
5A	Bottom	C6
5B	Bottom	B6
5C	Bottom	B6
5D	Bottom	B7
5E	Bottom	C8
6A	Bottom	C2
7A	Bottom	C12
7B	Bottom	C12
7C	Bottom	C11
7D	Bottom	D3
8A	Bottom	D6
8B	Bottom	C6
8C	Bottom	C6
8D	Bottom	C7
8E	Bottom	D8
9A	Bottom	D2
10A	Bottom	D12
10B	Bottom	D12
10C	Bottom	D11
10D	Bottom	E3
11A	Bottom	E6
11B	Bottom	D6
11C	Bottom	D6
11D	Bottom	D7
11E	Bottom	E8
12A	Bottom	E2
13A	Bottom	E12
13B	Bottom	F12
13C	Bottom	F11
13D	Bottom	F3
14A	Bottom	F6
14B	Bottom	E6
14C	Bottom	E6
14D	Bottom	E7
14E	Bottom	F8
15A	Bottom	F2
16A	Bottom	F12
16B	Bottom	G12
16C	Bottom	G11
16D	Bottom	G3
17A	Bottom	G6

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
17B	Bottom	F6
17C	Bottom	F6
17D	Bottom	F7
17E	Bottom	G8
18A	Bottom	G2
19A	Bottom	G12
19C	Bottom	H11
19D	Bottom	H3
20A	Bottom	H6
20B	Bottom	G6
20C	Bottom	G6
20D	Bottom	G7
20E	Bottom	H8
21A	Bottom	H2
22A	Bottom	H12
22C	Bottom	I11
22D	Bottom	I3
23A	Bottom	I6
23B	Bottom	H6
23C	Bottom	H6
23D	Bottom	H7
23E	Bottom	I8
24A	Bottom	I2
26A	Bottom	K12
26B	Bottom	J12
28A	Bottom	J8
28B	Bottom	J8
28C	Bottom	K7
28D	Bottom	J10
29A	Bottom	L5
29B	Bottom	L5
29C	Bottom	L5
29D	Bottom	L3
29E	Bottom	L1
29F	Bottom	L1
30A	Bottom	K7
30B	Bottom	L7
30C	Bottom	I4
30D	Bottom	I5
31A	Bottom	I5
31B	Bottom	I5
31C	Bottom	K5
31D	Bottom	K5
C10	Top	A10
C11	Top	A10
C30	Top	C10
C31	Top	C10
C50	Top	E10
C51	Top	E10
C70	Top	H10
C71	Top	G10
C100	Bottom	A13
C101	Top	A12
C102	Bottom	A13
C103	Top	B12

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
C104	Bottom	B10
C105	Top	A10
C106	Bottom	A12
C107	Bottom	B10
C108	Top	A11
C109	Top	A11
C110	Top	A11
C111	Bottom	A12
C112	Bottom	A12
C113	Bottom	A13
C114	Bottom	A10
C115	Bottom	A10
C116	Bottom	A8
C117	Bottom	A8
C118	Bottom	A8
C119	Top	B7
C120	Bottom	A6
C121	Bottom	A7
C122	Top	A7
C123	Bottom	A12
C124	Bottom	A13
C125	Bottom	B7
C126	Bottom	B7
C127	Bottom	A7
C128	Top	B1
C129	Bottom	A1
C130	Top	A1
C131	Bottom	B12
C132	Bottom	B13
C133	Bottom	A2
C134	Top	B2
C135	Bottom	A4
C136	Bottom	B3
C137	Bottom	A3
C138	Bottom	A3
C139	Bottom	B3
C140	Bottom	A3
C200	Bottom	B13
C201	Top	B12
C202	Bottom	B13
C203	Top	C12
C204	Bottom	C10
C205	Top	B10
C206	Bottom	B12
C207	Bottom	C10
C208	Top	B11
C209	Top	B11
C210	Top	B11
C211	Bottom	B12
C212	Bottom	B10
C213	Bottom	B10
C214	Bottom	B8
C215	Bottom	B8
C216	Bottom	A7
C217	Bottom	A7

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
C218	Bottom	B8
C219	Top	C7
C220	Bottom	B6
C221	Bottom	B7
C222	Top	B7
C223	Bottom	B12
C224	Bottom	B13
C225	Bottom	A2
C226	Bottom	A2
C227	Bottom	B7
C228	Top	C1
C229	Bottom	B1
C230	Top	B1
C231	Bottom	B2
C232	Bottom	B2
C233	Bottom	B2
C234	Top	C2
C235	Bottom	B4
C236	Bottom	B3
C237	Bottom	B3
C238	Bottom	A4
C239	Bottom	C3
C240	Bottom	B4
C241	Bottom	B9
C300	Bottom	C13
C301	Top	C12
C302	Bottom	C13
C303	Top	D12
C304	Bottom	D10
C305	Top	C10
C306	Bottom	C12
C307	Bottom	D10
C308	Top	C11
C309	Top	C11
C310	Top	C11
C311	Bottom	C12
C312	Bottom	C12
C313	Bottom	C13
C314	Bottom	C10
C315	Bottom	C10
C316	Bottom	C8
C317	Bottom	C8
C318	Bottom	C8
C319	Top	D7
C320	Bottom	C6
C321	Bottom	D7
C322	Top	C7
C323	Bottom	C12
C324	Bottom	C13
C325	Bottom	D7
C326	Bottom	D7
C327	Bottom	C7
C328	Top	D1
C329	Bottom	C1
C330	Top	C1

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
C331	Bottom	D12
C332	Bottom	D13
C333	Bottom	C2
C334	Top	D2
C335	Bottom	D4
C336	Bottom	D3
C337	Bottom	D3
C338	Bottom	C4
C339	Bottom	D3
C340	Bottom	D4
C400	Bottom	D13
C401	Top	D12
C402	Bottom	E13
C403	Top	E12
C404	Bottom	E10
C405	Top	D10
C406	Bottom	E12
C407	Bottom	E10
C408	Top	D11
C409	Top	D11
C410	Top	D11
C411	Bottom	D12
C412	Bottom	D10
C413	Bottom	D10
C414	Bottom	C2
C415	Bottom	D8
C416	Bottom	D8
C417	Bottom	C2
C418	Bottom	D8
C419	Top	E7
C420	Bottom	D6
C421	Bottom	E7
C422	Top	D7
C423	Bottom	D12
C424	Bottom	D13
C425	Bottom	C7
C426	Bottom	C7
C427	Bottom	D7
C428	Top	E1
C429	Bottom	D1
C430	Top	D1
C431	Bottom	D2
C432	Bottom	D2
C433	Bottom	D2
C434	Top	E2
C435	Bottom	E4
C436	Bottom	C3
C437	Bottom	E3
C438	Bottom	C3
C439	Bottom	E3
C440	Bottom	D3
C441	Bottom	D9
C500	Bottom	E13
C501	Top	E12
C502	Bottom	F13

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
C503	Top	F12
C504	Bottom	F10
C505	Top	E10
C506	Bottom	F12
C507	Bottom	F10
C508	Top	E11
C509	Top	E11
C510	Top	E11
C511	Bottom	E12
C512	Bottom	E12
C513	Bottom	E13
C514	Bottom	E10
C515	Bottom	E10
C516	Bottom	E8
C517	Bottom	E8
C518	Bottom	E8
C519	Top	F7
C520	Bottom	E6
C521	Bottom	F7
C522	Top	E7
C523	Bottom	E12
C524	Bottom	E13
C525	Bottom	F7
C526	Bottom	F7
C527	Bottom	E7
C528	Top	F1
C529	Bottom	E1
C530	Top	E1
C531	Bottom	E2
C532	Bottom	E2
C533	Bottom	E2
C534	Top	F2
C535	Bottom	F4
C536	Bottom	F3
C537	Bottom	F3
C538	Bottom	E4
C539	Bottom	F3
C540	Bottom	F4
C600	Bottom	F13
C601	Top	F12
C602	Bottom	G13
C603	Top	G12
C604	Bottom	G10
C605	Top	F10
C606	Bottom	G12
C607	Bottom	G10
C608	Top	F11
C609	Top	F11
C610	Top	F11
C611	Bottom	F12
C612	Bottom	F2
C613	Bottom	F13
C614	Bottom	F12
C615	Bottom	F10
C616	Bottom	F10

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
C617	Bottom	F8
C618	Bottom	F8
C619	Top	G7
C620	Bottom	F6
C621	Bottom	G7
C622	Top	F7
C623	Bottom	F12
C624	Bottom	F13
C625	Bottom	F8
C626	Bottom	E7
C627	Bottom	F7
C628	Top	G1
C629	Bottom	F1
C630	Top	F1
C631	Bottom	E7
C632	Bottom	F2
C633	Bottom	F2
C634	Top	G2
C635	Bottom	G4
C636	Bottom	E3
C637	Bottom	G3
C638	Bottom	E3
C639	Bottom	G3
C640	Bottom	F3
C641	Bottom	F9
C700	Bottom	G13
C704	Bottom	H10
C705	Top	G10
C706	Bottom	H12
C707	Bottom	H10
C708	Top	G11
C709	Top	G11
C710	Top	G11
C711	Bottom	G12
C712	Bottom	G12
C713	Bottom	G13
C714	Bottom	G10
C715	Bottom	G10
C716	Bottom	G2
C717	Bottom	H8
C718	Bottom	G8
C719	Top	H7
C720	Bottom	G6
C721	Bottom	H7
C722	Top	G7
C723	Bottom	G12
C724	Bottom	G13
C725	Bottom	H8
C726	Bottom	G2
C727	Bottom	G7
C728	Top	H1
C729	Bottom	G1
C730	Top	G1
C731	Bottom	H7
C732	Bottom	H7

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
C733	Bottom	G2
C734	Top	H2
C735	Bottom	H4
C736	Bottom	G3
C737	Bottom	H3
C738	Bottom	G3
C739	Bottom	H3
C740	Bottom	H3
C800	Bottom	H13
C804	Bottom	I10
C805	Top	H10
C806	Bottom	I12
C807	Bottom	I10
C808	Top	H11
C809	Top	H11
C810	Top	H11
C811	Bottom	H12
C812	Bottom	H2
C813	Bottom	H13
C814	Bottom	H12
C815	Bottom	H10
C816	Bottom	H10
C817	Bottom	G8
C818	Bottom	H8
C819	Top	I7
C820	Bottom	H6
C821	Bottom	I7
C822	Top	H7
C823	Bottom	H12
C824	Bottom	H13
C825	Bottom	G8
C826	Bottom	G7
C827	Bottom	H7
C828	Top	I1
C829	Bottom	H1
C830	Top	H1
C831	Bottom	G7
C832	Bottom	H2
C833	Bottom	H2
C834	Top	I2
C835	Bottom	I4
C836	Bottom	H9
C837	Bottom	I3
C838	Bottom	H3
C839	Bottom	I3
C840	Bottom	G4
C841	Bottom	H4
C900	Bottom	L12
C901	Bottom	K12
C902	Top	K12
C903	Top	K12
C904	Bottom	K12
C905	Top	J13
C906	Bottom	I7
C907	Bottom	K7

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
C908	Bottom	K13
C909	Bottom	I4
C910	Top	K10
C911	Top	K10
C912	Bottom	K11
C913	Bottom	K11
C914	Bottom	K12
C915	Bottom	K11
C916	Bottom	K11
C917	Bottom	K10
C918	Bottom	J3
C919	Top	J10
C920	Bottom	J3
C921	Top	J10
C922	Top	J9
C923	Bottom	J3
C924	Top	K7
C925	Bottom	K7
C926	Bottom	K7
C927	Bottom	J3
C928	Bottom	J8
C929	Bottom	J8
C930	Top	I8
C931	Top	I8
C932	Bottom	I8
C933	Bottom	I8
C934	Top	J8
C935	Top	J7
C938	Bottom	K7
C939	Bottom	J7
C940	Bottom	K8
C941	Bottom	K8
C942	Bottom	J3
C943	Bottom	K5
C944	Bottom	J3
C945	Bottom	J3
C946	Bottom	J8
C947	Bottom	J3
C948	Bottom	K8
C949	Bottom	I7
C950	Bottom	K6
C953	Bottom	J8
C954	Bottom	I7
C955	Bottom	I6
C956	Bottom	K5
C957	Bottom	J8
C958	Bottom	K4
C959	Bottom	K4
C960	Bottom	K3
C961	Top	L4
C962	Bottom	K3
C963	Top	L3
C964	Top	K9
C965	Bottom	L7
C966	Bottom	L7

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
C967	Bottom	L7
C968	Top	K8
C969	Bottom	L8
C970	Bottom	K8
C971	Bottom	K6
C972	Bottom	K7
C973	Bottom	K8
C974	Bottom	J1
C975	Bottom	K7
C976	Bottom	L12
C977	Bottom	L12
C978	Top	I6
C979	Top	I1
C980	Bottom	J1
C981	Top	J6
C982	Top	I1
C983	Bottom	J1
C984	Top	K6
C985	Top	I1
C986	Bottom	J1
C987	Bottom	J5
C988	Bottom	K5
C989	Bottom	J6
C990	Bottom	J5
C991	Bottom	J5
C992	Bottom	K6
C993	Bottom	J5
C994	Bottom	K5
C995	Bottom	K6
C996	Bottom	K7
C997	Bottom	K7
C998	Bottom	J5
C999	Bottom	J5
C1000	Bottom	K7
C1001	Bottom	J1
C1002	Top	I1
C1003	Top	I2
C1004	Top	I1
C1005	Bottom	K2
C1006	Bottom	K2
C1007	Bottom	I2
C1008	Bottom	K2
C1009	Bottom	I14
C1010	Bottom	J2
C1011	Bottom	K8
C1012	Top	L11
C1013	Top	K11
C1014	Top	I10
C1015	Top	I10
C1054	Bottom	J4
CON200	Top	B14
CON400	Top	D14
CON600	Top	F14
CON800	Top	H14
CON900	Bottom	L1

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
CON901	Top	I14
CON902	Top	K14
CON903	Top	L13
CON904	Top	A13
CON905	Top	L9
CON906	Top	A9
CON907	Top	A2
CON908	Top	L2
CON909	Bottom	I9
CON910	Bottom	I9
CON911	Bottom	I10
CON912	Bottom	I10
D10	Top	A13
D11	Top	A13
D30	Top	C13
D31	Top	C13
D50	Top	E13
D51	Top	E13
D70	Top	G13
D71	Top	G13
D100	Bottom	B4
D101	Bottom	B4
D102	Bottom	B3
D200	Bottom	C4
D201	Bottom	C4
D202	Bottom	C3
D300	Bottom	D4
D301	Bottom	D4
D302	Bottom	D3
D400	Bottom	E4
D401	Bottom	E4
D402	Bottom	E3
D500	Bottom	F4
D501	Bottom	F4
D502	Bottom	F3
D600	Bottom	G4
D601	Bottom	G4
D602	Bottom	G3
D700	Bottom	H4
D701	Bottom	H4
D702	Bottom	H3
D800	Bottom	I4
D801	Bottom	I4
D802	Bottom	I3
D900	Bottom	J2
D901	Top	K13
D902	Top	K13
F1	Top	I10
F2	Top	I10
F3	Top	I10
FAD100	Top	A3
FAD200	Top	B3
FAD300	Top	C3
FAD400	Top	D3
FAD500	Top	E3

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
FAD600	Top	F3
FAD700	Top	G3
FAD800	Top	H3
FAD900	Top	J3
FAD901	Top	J3
FAD902	Top	K3
FID1	Top	A14
FID2	Top	A1
FID3	Top	K1
FID4	Bottom	A14
FID5	Bottom	A1
FID6	Bottom	K1
MNT1	Top	A14
MNT2	Top	C14
MNT3	Top	A6
MNT4	Top	A1
MNT5	Top	A13
MNT6	Top	C10
MNT7	Top	C6
MNT8	Top	C1
MNT9	Top	E14
MNT10	Top	E10
MNT11	Top	E6
MNT12	Top	E1
MNT13	Top	G14
MNT14	Top	G10
MNT15	Top	G6
MNT16	Top	G1
MNT17	Top	J14
MNT18	Top	K9
MNT19	Top	I6
MNT20	Top	I1
MNT21	Top	K14
MNT22	Top	L6
MNT23	Top	L1
POT100	Top	A12
POT101	Top	A8
POT200	Top	B12
POT201	Top	B8
POT300	Top	C12
POT301	Top	C8
POT400	Top	D12
POT401	Top	D8
POT500	Top	E12
POT501	Top	E8
POT600	Top	F12
POT601	Top	F8
POT700	Top	G12
POT701	Top	G8
POT800	Top	H12
POT801	Top	H8
POT900	Top	K8
POT901	Top	J8
Q10	Bottom	B10
Q30	Bottom	D10

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
Q50	Bottom	F10
Q70	Bottom	H10
Q100	Bottom	A6
Q200	Bottom	B6
Q300	Bottom	C6
Q400	Bottom	D6
Q500	Bottom	E6
Q600	Bottom	F6
Q700	Bottom	G6
Q800	Bottom	H6
Q900	Bottom	J4
Q901	Bottom	J7
Q902	Bottom	J7
Q903	Bottom	I7
Q904	Bottom	I7
Q905	Top	K4
Q906	Top	L4
Q907	Top	K4
Q908	Top	L4
Q909	Bottom	J4
Q910	Bottom	J5
Q911	Bottom	J5
Q912	Bottom	J4
R10	Top	A9
R11	Bottom	B10
R12	Bottom	A12
R13	Bottom	B10
R14	Bottom	A12
R15	Top	A9
R30	Top	C9
R31	Bottom	D10
R32	Bottom	C12
R33	Bottom	D10
R34	Bottom	C12
R35	Top	C9
R50	Top	E9
R51	Bottom	F10
R52	Bottom	E12
R53	Bottom	F10
R54	Bottom	E12
R55	Top	E9
R70	Top	G9
R71	Bottom	H10
R72	Bottom	G12
R73	Bottom	H10
R74	Bottom	G12
R75	Top	G9
R100	Bottom	A13
R101	Bottom	A12
R102	Bottom	B13
R103	Bottom	A10
R104	Bottom	B10
R105	Bottom	B12
R106	Bottom	B11
R107	Bottom	B10

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R108	Bottom	A11
R109	Bottom	A11
R110	Bottom	A12
R111	Bottom	A12
R112	Bottom	A12
R113	Bottom	A11
R114	Bottom	A8
R115	Bottom	A8
R116	Bottom	B6
R117	Bottom	A6
R118	Bottom	A7
R119	Bottom	A6
R120	Bottom	A7
R121	Bottom	A7
R122	Bottom	A7
R123	Bottom	B7
R124	Bottom	A7
R125	Bottom	A8
R126	Bottom	A8
R127	Bottom	A8
R128	Bottom	A8
R129	Bottom	B8
R130	Bottom	A1
R131	Bottom	A1
R132	Bottom	A1
R133	Bottom	A4
R134	Bottom	A4
R135	Bottom	A4
R136	Bottom	A3
R137	Bottom	A3
R138	Bottom	A3
R139	Bottom	A6
R140	Bottom	A2
R141	Bottom	A2
R142	Bottom	A3
R143	Bottom	A3
R144	Bottom	A3
R145	Bottom	A3
R146	Bottom	A3
R151	Bottom	A10
R152	Bottom	A10
R200	Bottom	B13
R201	Bottom	B12
R202	Bottom	C13
R203	Bottom	B10
R204	Bottom	C10
R205	Bottom	C12
R206	Bottom	C11
R207	Bottom	C10
R208	Bottom	B11
R209	Bottom	B11
R210	Bottom	B12
R211	Bottom	B12
R212	Bottom	B12
R213	Bottom	B11

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R214	Bottom	B8
R215	Bottom	B8
R216	Bottom	C6
R217	Bottom	B6
R218	Bottom	B7
R219	Bottom	B6
R220	Bottom	B7
R221	Bottom	B7
R222	Bottom	B7
R223	Bottom	C7
R224	Bottom	B7
R225	Bottom	B8
R226	Bottom	B8
R227	Bottom	B8
R228	Bottom	B8
R229	Bottom	C8
R230	Bottom	B1
R231	Bottom	B1
R232	Bottom	B1
R233	Bottom	B4
R234	Bottom	B4
R235	Bottom	B4
R236	Bottom	B3
R237	Bottom	B3
R238	Bottom	B3
R239	Bottom	B6
R240	Bottom	B2
R241	Bottom	B2
R242	Bottom	B3
R243	Bottom	B3
R244	Bottom	B3
R245	Bottom	B3
R246	Bottom	B3
R247	Bottom	B6
R248	Bottom	B9
R249	Bottom	B9
R250	Bottom	B9
R251	Bottom	B10
R252	Bottom	B10
R300	Bottom	C13
R301	Bottom	C12
R302	Bottom	D13
R303	Bottom	C10
R304	Bottom	D10
R305	Bottom	D12
R306	Bottom	D11
R307	Bottom	D10
R308	Bottom	C11
R309	Bottom	C11
R310	Bottom	C12
R311	Bottom	C12
R312	Bottom	C12
R313	Bottom	C11
R314	Bottom	C8
R315	Bottom	C8

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R316	Bottom	D6
R317	Bottom	C6
R318	Bottom	C7
R319	Bottom	C6
R320	Bottom	C7
R321	Bottom	C7
R322	Bottom	C7
R323	Bottom	D7
R324	Bottom	C7
R325	Bottom	C8
R326	Bottom	C8
R327	Bottom	C8
R328	Bottom	C8
R329	Bottom	D8
R330	Bottom	C1
R331	Bottom	C1
R332	Bottom	C1
R333	Bottom	C4
R334	Bottom	C4
R335	Bottom	C4
R336	Bottom	C3
R337	Bottom	C3
R338	Bottom	C3
R339	Bottom	C6
R340	Bottom	C2
R341	Bottom	C2
R342	Bottom	C3
R343	Bottom	C3
R344	Bottom	D3
R345	Bottom	C3
R346	Bottom	C3
R351	Bottom	D10
R352	Bottom	C10
R400	Bottom	D13
R401	Bottom	D12
R402	Bottom	E13
R403	Bottom	D10
R404	Bottom	E10
R405	Bottom	E12
R406	Bottom	E11
R407	Bottom	E10
R408	Bottom	D11
R409	Bottom	D11
R410	Bottom	D12
R411	Bottom	D12
R412	Bottom	D12
R413	Bottom	D11
R414	Bottom	D8
R415	Bottom	D8
R416	Bottom	E6
R417	Bottom	D6
R418	Bottom	D7
R419	Bottom	D6
R420	Bottom	D7
R421	Bottom	D7

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R422	Bottom	D7
R423	Bottom	E7
R424	Bottom	D7
R425	Bottom	D8
R426	Bottom	D8
R427	Bottom	D8
R428	Bottom	D8
R429	Bottom	E8
R430	Bottom	D1
R431	Bottom	D1
R432	Bottom	D1
R433	Bottom	D4
R434	Bottom	D4
R435	Bottom	D4
R436	Bottom	D3
R437	Bottom	D3
R438	Bottom	D3
R439	Bottom	D6
R440	Bottom	D2
R441	Bottom	D2
R442	Bottom	D3
R443	Bottom	D3
R444	Bottom	E3
R445	Bottom	D3
R446	Bottom	D3
R447	Bottom	E6
R448	Bottom	D9
R449	Bottom	D9
R450	Bottom	D9
R451	Bottom	E10
R452	Bottom	D10
R500	Bottom	E13
R501	Bottom	E12
R502	Bottom	F13
R503	Bottom	E10
R504	Bottom	F10
R505	Bottom	F12
R506	Bottom	F11
R507	Bottom	F10
R508	Bottom	E11
R509	Bottom	E11
R510	Bottom	E12
R511	Bottom	E12
R512	Bottom	E12
R513	Bottom	E11
R514	Bottom	E8
R515	Bottom	E8
R516	Bottom	F6
R517	Bottom	E6
R518	Bottom	E7
R519	Bottom	E6
R520	Bottom	E7
R521	Bottom	E7
R522	Bottom	E7
R523	Bottom	F7

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R524	Bottom	E7
R525	Bottom	E8
R526	Bottom	E8
R527	Bottom	E8
R528	Bottom	E8
R529	Bottom	F8
R530	Bottom	E1
R531	Bottom	E1
R532	Bottom	E1
R533	Bottom	E4
R534	Bottom	E4
R535	Bottom	E4
R536	Bottom	E3
R537	Bottom	E3
R538	Bottom	E3
R539	Bottom	E6
R540	Bottom	E2
R541	Bottom	E2
R542	Bottom	E3
R543	Bottom	E3
R544	Bottom	F3
R545	Bottom	E3
R546	Bottom	E3
R551	Bottom	F10
R552	Bottom	E10
R600	Bottom	F13
R601	Bottom	F12
R602	Bottom	G13
R603	Bottom	F10
R604	Bottom	G10
R605	Bottom	G12
R606	Bottom	G11
R607	Bottom	G10
R608	Bottom	F11
R609	Bottom	F11
R610	Bottom	F12
R611	Bottom	F12
R612	Bottom	F12
R613	Bottom	F11
R614	Bottom	F8
R615	Bottom	F8
R616	Bottom	G6
R617	Bottom	F6
R618	Bottom	F7
R619	Bottom	F6
R620	Bottom	F7
R621	Bottom	G7
R622	Bottom	F7
R623	Bottom	G7
R624	Bottom	F7
R625	Bottom	F8
R626	Bottom	F8
R627	Bottom	F8
R628	Bottom	G8
R629	Bottom	G8

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R630	Bottom	F1
R631	Bottom	F1
R632	Bottom	F1
R633	Bottom	F4
R634	Bottom	F4
R635	Bottom	F4
R636	Bottom	F3
R637	Bottom	F3
R638	Bottom	F3
R639	Bottom	F6
R640	Bottom	F2
R641	Bottom	F2
R642	Bottom	F3
R643	Bottom	F3
R644	Bottom	G3
R645	Bottom	F3
R646	Bottom	F3
R647	Bottom	G6
R648	Bottom	F9
R649	Bottom	F9
R650	Bottom	F9
R651	Bottom	G10
R652	Bottom	F10
R700	Bottom	G13
R701	Bottom	G10
R704	Bottom	H10
R705	Bottom	H12
R706	Bottom	H11
R707	Bottom	H10
R708	Bottom	G11
R709	Bottom	G11
R710	Bottom	G12
R711	Bottom	G12
R712	Bottom	G12
R713	Bottom	G11
R714	Bottom	G8
R715	Bottom	G8
R716	Bottom	H6
R717	Bottom	H6
R718	Bottom	G7
R719	Bottom	G6
R720	Bottom	G7
R721	Bottom	H7
R722	Bottom	G7
R723	Bottom	H7
R724	Bottom	G7
R725	Bottom	G8
R726	Bottom	G8
R727	Bottom	G8
R728	Bottom	H8
R729	Bottom	H8
R730	Bottom	G1
R731	Bottom	G1
R732	Bottom	G1
R733	Bottom	G4

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R734	Bottom	G4
R735	Bottom	G4
R736	Bottom	G3
R737	Bottom	G3
R738	Bottom	G3
R739	Bottom	G6
R740	Bottom	G2
R741	Bottom	G2
R742	Bottom	G3
R743	Bottom	G3
R744	Bottom	H3
R745	Bottom	G3
R746	Bottom	G3
R751	Bottom	H10
R752	Bottom	G10
R800	Bottom	H13
R801	Bottom	H10
R804	Bottom	I10
R805	Bottom	I12
R806	Bottom	I11
R807	Bottom	I10
R808	Bottom	H11
R809	Bottom	H11
R810	Bottom	H12
R811	Bottom	H12
R812	Bottom	H12
R813	Bottom	H11
R814	Bottom	H8
R815	Bottom	H8
R816	Bottom	I6
R817	Bottom	I6
R818	Bottom	H7
R819	Bottom	H6
R820	Bottom	H7
R821	Bottom	I7
R822	Bottom	H7
R823	Bottom	I7
R824	Bottom	H7
R825	Bottom	H8
R826	Bottom	H8
R827	Bottom	H8
R828	Bottom	I8
R829	Bottom	I8
R830	Bottom	I1
R831	Bottom	H1
R832	Bottom	H1
R833	Bottom	H4
R834	Bottom	H4
R835	Bottom	H4
R836	Bottom	H3
R837	Bottom	H3
R838	Bottom	H3
R839	Bottom	H6
R840	Bottom	H2
R841	Bottom	I2

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R842	Bottom	H3
R843	Bottom	H3
R844	Bottom	I3
R845	Bottom	H3
R846	Bottom	H3
R847	Bottom	I6
R848	Bottom	H9
R849	Bottom	H9
R850	Bottom	I9
R851	Bottom	I10
R852	Bottom	H10
R900	Bottom	K12
R901	Bottom	K12
R902	Bottom	K12
R903	Bottom	K12
R904	Bottom	L12
R905	Bottom	J13
R906	Bottom	K12
R907	Bottom	K12
R908	Bottom	K12
R909	Bottom	K12
R910	Bottom	K10
R911	Bottom	K10
R912	Bottom	K10
R913	Bottom	K13
R914	Bottom	K13
R915	Bottom	K13
R916	Bottom	I4
R917	Bottom	J4
R918	Bottom	I4
R919	Top	K10
R920	Top	K10
R921	Bottom	K12
R922	Bottom	K12
R923	Bottom	K12
R924	Bottom	K11
R925	Bottom	K11
R926	Bottom	K12
R927	Bottom	K11
R928	Bottom	K11
R929	Bottom	K11
R930	Bottom	K11
R931	Bottom	K11
R932	Bottom	K11
R933	Bottom	K10
R934	Bottom	K10
R935	Bottom	K10
R936	Bottom	K11
R937	Bottom	J3
R938	Bottom	J10
R939	Bottom	J9
R940	Bottom	J3
R941	Bottom	J3
R942	Bottom	I3
R943	Bottom	J8

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R944	Bottom	J8
R945	Bottom	J9
R946	Bottom	I8
R947	Bottom	I8
R948	Bottom	K7
R949	Bottom	J3
R950	Bottom	J3
R951	Bottom	J3
R952	Bottom	I8
R953	Bottom	I8
R954	Bottom	K8
R955	Bottom	J7
R956	Bottom	J8
R957	Bottom	J7
R958	Bottom	K7
R959	Bottom	K8
R960	Bottom	I8
R961	Bottom	I7
R962	Bottom	I8
R963	Bottom	I7
R964	Bottom	I7
R965	Bottom	I6
R966	Bottom	K4
R967	Bottom	K4
R968	Bottom	K3
R969	Bottom	K4
R970	Bottom	K4
R971	Bottom	K3
R972	Top	L4
R973	Bottom	K3
R974	Bottom	K3
R975	Top	L3
R976	Top	L5
R977	Top	L4
R978	Top	L3
R979	Top	L3
R980	Top	K2
R981	Top	L2
R982	Bottom	J8
R983	Bottom	K8
R984	Bottom	L6
R985	Bottom	L7
R986	Bottom	K7
R987	Bottom	K7
R988	Bottom	L7
R989	Bottom	K8
R990	Bottom	L6
R991	Bottom	K6
R992	Bottom	I1
R993	Bottom	J1
R994	Bottom	J1
R995	Bottom	I1
R996	Bottom	J1
R997	Bottom	J1
R998	Bottom	J9

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
R999	Bottom	J9
R1000	Bottom	I1
R1001	Bottom	J1
R1002	Bottom	J1
R1003	Bottom	I4
R1004	Bottom	J4
R1005	Bottom	J5
R1006	Bottom	K5
R1007	Bottom	K5
R1008	Bottom	J6
R1009	Bottom	J1
R1010	Bottom	J1
R1011	Bottom	J1
R1012	Bottom	I5
R1013	Bottom	I5
R1014	Bottom	J5
R1015	Bottom	J5
R1016	Bottom	J5
R1017	Bottom	K6
R1018	Bottom	I5
R1019	Bottom	J5
R1020	Bottom	J5
R1021	Bottom	K5
R1022	Bottom	K5
R1023	Bottom	J6
R1024	Bottom	J6
R1025	Bottom	K6
R1026	Bottom	J2
R1027	Bottom	J2
R1028	Bottom	J2
R1029	Bottom	J2
R1030	Bottom	K2
R1031	Bottom	K2
R1032	Bottom	K2
R1033	Bottom	J2
R1034	Bottom	J2
R1035	Bottom	J2
R1036	Bottom	J2
R1037	Bottom	K8
R1038	Bottom	K8
R1039	Bottom	J8
R1040	Bottom	K9
R1041	Top	K10
R1042	Bottom	K10
R1043	Top	K10
R1044	Bottom	I11
R1045	Bottom	J6
R1046	Bottom	K3
R1049	Bottom	A12
R1050	Bottom	J12
R1051	Bottom	J4
R1052	Bottom	J4
R1053	Bottom	J4
R1054	Bottom	J4
RP900	Bottom	J13

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
RP901	Bottom	J13
RP902	Bottom	J13
RP903	Bottom	I13
RP904	Bottom	K9
RP905	Bottom	J10
S100	Top	A10
S101	Top	A10
S102	Top	A11
S103	Top	A11
S104	Top	A7
S105	Top	A7
S106	Top	A9
S107	Top	A9
S108	Top	A8
S109	Top	A8
S110	Top	A6
S200	Top	B10
S201	Top	B10
S202	Top	B11
S203	Top	B11
S204	Top	B7
S205	Top	B7
S206	Top	B9
S207	Top	B9
S208	Top	B8
S209	Top	B8
S210	Top	B6
S300	Top	D10
S301	Top	C10
S302	Top	C11
S303	Top	C11
S304	Top	C7
S305	Top	D7
S306	Top	C9
S307	Top	C9
S308	Top	C8
S309	Top	C8
S310	Top	C6
S400	Top	E10
S401	Top	D10
S402	Top	D11
S403	Top	D11
S404	Top	D7
S405	Top	E7
S406	Top	E9
S407	Top	D9
S408	Top	D8
S409	Top	E8
S410	Top	D6
S500	Top	F10
S501	Top	E10
S502	Top	E11
S503	Top	E11
S504	Top	E7
S505	Top	F7

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
S506	Top	F9
S507	Top	E9
S508	Top	E8
S509	Top	F8
S510	Top	E6
S600	Top	G10
S601	Top	F10
S602	Top	F11
S603	Top	F11
S604	Top	F7
S605	Top	G7
S606	Top	G9
S607	Top	F9
S608	Top	F8
S609	Top	G8
S610	Top	F6
S701	Top	G10
S702	Top	G11
S703	Top	G11
S704	Top	G7
S705	Top	H7
S706	Top	H9
S707	Top	G9
S708	Top	G8
S709	Top	H8
S710	Top	G6
S801	Top	H10
S802	Top	H11
S803	Top	H11
S804	Top	H7
S805	Top	I7
S806	Top	I9
S807	Top	H9
S808	Top	H8
S809	Top	I8
S810	Top	H6
S900	Top	J13
S901	Top	J10
S902	Top	J10
S903	Top	J12
S904	Top	J12
S905	Top	J12
S906	Top	J12
S907	Top	J11
S908	Top	J11
S909	Top	J11
S910	Top	J11
S911	Top	J11
S912	Top	J11
S913	Top	K13
S914	Top	K12
S915	Top	K11
S916	Top	K11
S917	Top	K10
S918	Top	J9

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
S919	Top	J8
S920	Top	K8
S921	Top	J7
S922	Top	J7
S923	Top	J7
S924	Top	K7
S925	Top	J7
S926	Top	J6
S927	Top	K6
SUP900	Top	L2
SUP901	Top	L2
TL1	Top	A14
TL2	Top	A1
TL3	Top	A11
TL4	Top	L11
TP1	Top	K12
TP2	Top	J13
TP3	Top	K11
TP4	Top	K11
TP5	Top	K11
TP6	Top	K11
TP7	Top	I4
TP8	Top	L10
TP9	Top	L10
TP10	Top	J7
TP11	Top	J7
TP12	Top	L10
TP13	Top	L10
TP15	Top	K6
TP16	Top	A13
TP17	Top	A10
TP18	Top	A13
TP19	Top	B12
TP20	Top	A11
TP21	Top	A12
TP23	Top	A7
TP27	Top	B13
TP28	Top	B11
TP29	Top	B13
TP30	Top	C12
TP31	Top	B11
TP32	Top	B12
TP34	Top	B7
TP44	Top	L10
TP45	Top	C13
TP46	Top	C11
TP47	Top	C13
TP48	Top	D12
TP49	Top	C11
TP50	Top	C12
TP52	Top	C7
TP56	Top	D13
TP57	Top	E13
TP58	Top	E12
TP59	Top	D11

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
TP60	Top	D11
TP61	Top	D12
TP63	Top	D7
TP67	Top	L10
TP80	Top	E13
TP81	Top	E11
TP82	Top	F13
TP83	Top	F12
TP84	Top	E11
TP85	Top	E12
TP87	Top	E7
TP91	Top	F13
TP92	Top	G13
TP93	Top	G12
TP94	Top	F11
TP95	Top	F11
TP96	Top	F12
TP98	Top	F7
TP115	Top	G13
TP116	Top	G11
TP118	Top	H12
TP119	Top	G11
TP120	Top	G12
TP122	Top	G7
TP126	Top	H13
TP128	Top	I12
TP129	Top	H11
TP130	Top	H11
TP131	Top	H12
TP133	Top	H7
U100	Bottom	A12
U101	Bottom	B12
U102	Bottom	A10
U103	Bottom	A8
U104	Bottom	A7
U105	Bottom	A2
U106	Bottom	A4
U107	Bottom	A4
U108	Bottom	A3
U200	Bottom	B12
U201	Bottom	C12
U202	Bottom	B10
U203	Bottom	B8
U204	Bottom	B7
U205	Bottom	B2
U206	Bottom	B4
U207	Bottom	B4
U208	Bottom	B3
U209	Bottom	B10
U300	Bottom	C12
U301	Bottom	D12
U302	Bottom	C10
U303	Bottom	C8
U304	Bottom	C7
U305	Bottom	C2

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
U306	Bottom	C4
U307	Bottom	C4
U308	Bottom	C3
U400	Bottom	D12
U401	Bottom	E12
U402	Bottom	D10
U403	Bottom	D8
U404	Bottom	D7
U405	Bottom	D2
U406	Bottom	D4
U407	Bottom	D4
U408	Bottom	D3
U409	Bottom	D10
U500	Bottom	E12
U501	Bottom	F12
U502	Bottom	E10
U503	Bottom	E8
U504	Bottom	E7
U505	Bottom	E2
U506	Bottom	E4
U507	Bottom	E4
U508	Bottom	E3
U600	Bottom	F12
U601	Bottom	G12
U602	Bottom	F10
U603	Bottom	F8
U604	Bottom	F7
U605	Bottom	F2
U606	Bottom	F4
U607	Bottom	F4
U608	Bottom	F3
U609	Bottom	F10
U700	Bottom	G12
U701	Bottom	H12
U702	Bottom	G10
U703	Bottom	G8
U704	Bottom	G7
U705	Bottom	G2
U706	Bottom	G4
U707	Bottom	G4
U708	Bottom	G3
U800	Bottom	H12
U801	Bottom	I12
U802	Bottom	H10
U803	Bottom	H8
U804	Bottom	H7
U805	Bottom	H2
U806	Bottom	H4
U807	Bottom	H4
U808	Bottom	H3
U809	Bottom	H10
U900	Bottom	K12
U901	Bottom	K11
U902	Bottom	J3
U903	Bottom	J3

Component Locator	Component Placement (Top/Bottom of Board)	Location On Grid
U904	Bottom	J8
U905	Bottom	I8
U906	Bottom	K7
U907	Bottom	K8
U908	Bottom	I7
U909	Bottom	K4
U910	Bottom	K7
U911	Bottom	K7
U912	Bottom	K8
U913	Bottom	J1
U914	Bottom	J5
U915	Bottom	K5
U916	Bottom	J2
U917	Bottom	K2
U918	Bottom	J2
U919	Bottom	K8



KLARK TEKNIK GROUP



Parent Part Identifier Range: V0013-01-1 - V0013-01-1, Effective: 07/01/200.

Part Identifier	Description	Quantity	Reference Text
Verona Output Module Lower pcb Assembly			
ACBLX-1832-2	26W LUMBERG RIB CBLE 60MM	2	
ACBLX-1834-2	10W LUMBERG RIB CBLE 60MM	1	
CAP06-GK510050	100N 0805 SMD CERMIC 10%	202	C112,C113,C114,C115,C116,C117,C120,C123,C124,C125, C126,C131,C132,C135,C136,C137,C138,C139,C140, C212,C213,C214,C215,C216,C217,C220,C223,C224,C225, C226,C231,C232,C235,C236,C237,C238,C239,C240,C241, C312,C313,C314,C315,C316,C317,C320,C323,C324,C325, C326,C331,C332,C335,C336,C337,C338,C339,C340, C412,C413,C414,C415,C416,C417,C420,C423,C424,C425, C426,C431,C432,C435,C436,C437,C438,C439,C440,C441, C512,C513,C514,C515,C516,C517,C520,C523,C524,C525, C526,C531,C532,C535,C536,C537,C538,C539,C540, C612,C613,C614,C615,C616,C617,C620,C623,C624,C625, C626,C631,C632,C635,C636,C637,C638,C639,C640,C641, C712,C713,C714,C715,C716,C717,C720,C723,C724,C725, C726,C731,C732,C735,C736,C737,C738,C739,C740, C812,C813,C814,C815,C816,C817,C820,C823,C824,C825, C826,C831,C832,C835,C836,C837,C838,C839,C840,C841, C906,C907,C908,C912,C913,C914,C915,C916,C917,C929, C939,C941,C942,C943,C944,C945,C946,C947,C948,C949, C950,C953,C956,C957,C972,C973,C974,C975,C976,C977, C989,C992,C995,C996,C997,C998,C999,C1000,C1001, C1005,C1006,C1007,C1008,C1009,C1010,C1011
CAP06-SJ122050	22PF SMD 0805 CERAMIC 5%	85	C104,C107,C111,C118,C121,C127,C129,C133,C204,C207,C211,C218,C221,C227 C229,C233,C304,C307,C311,C318,C321,C327,C329,C333,C404,C407,C411 C418,C421,C427,C429,C433,C504,C507,C511,C518,C521,C527,C529,C533, C604,C607,C611,C618,C621,C627,C629,C633,C704,C707,C711,C718,C721 C727,C729,C733,C804,C807,C811,C818,C821,C827,C829,C833,C900,C901 C904,C927,C932,C933,C938,C940,C954,C955,C967,C971,C980,C983, C986,C987,C988,C990,C991,C993,C994,
CAP06-SJ147100	47P 0805 SMD CERAMIC 5%	27	C100,C102,C106,C200,C202,C206,C300,C302,C306,C400,C402,C406,C500 C502,C506,C600,C602,C606,C700,C706,C800,C806,C920,C923,C925,C965 C969
CAP06-SJ210100	100P 0805 SMD CERAMIC 5%	4	C918,C926,C966,C970
CAP06-SJ310100	1N 0805 SMD CERAMIC 5%	4	C958,C959,C960,C962

Part Identifier	Description	Quantity	Reference Text
CAP06-SJ347100	4N7 0805 SMD CERAMIC 5%	3	C909,C928,C1054
CAP61-210025B	10UF 25V LP RADCAP 1.5MM	42	C110,C119,C128,C134,C210,C219,C228,C234,C310,C319,C328,C334,C410,C419, C428,C434,C510,C519,C528,C534,C610,C619,C628,C634,C710,C719,C728 C734,C810,C819,C828,C834,C902,C903,C934, C935,C979,C982,C985,C1002,C1003,C1004
CAP63-310025B	100UF 25V LP RAD 2.5MM	74	C10,C11,C30,C31,C50,C51,C70,C71,C101,C103,C105,C108,C109,C122, C130,C201,C203,C205,C208,C209,C222,C230,C301,C303,C305,C308,C309, C322,C330,C401,C403,C405,C408,C409,C422,C430,C501,C503,C505, C508,C509,C522,C530,C601,C603,C605,C608,C609,C622,C630,C705, C708,C709,C722,C730,C805,C808,C809,C822, C830,C910,C911,C919,C921,C922,C930,C931,C961,C963,C978,C981, C984,C1012,C1013
CAP65-4100063A	1000UF 6.3V RAD. 3.5MM	4	C905,C924,C964,C968
CON01-02SMVL	2WY 0.1" LOCK. HDR MALE	2	CON911,CON912
CON01-03SMVL	0.1" 3WY LATCHED HDR	1	CON900
CON02-03SMVL	3WY 0.156" LKG ML HDR	2	CON909,CON910
CON12-10MV2	10X0.050"LUMBERG HEADER	1	CON908
CON12-16MV2	16X0.050"LUMBERG HEADER	1	CON901
CON12-26MV	26X0.050"LUMBERG HEADER	9	CON200,CON400,CON600,CON800,CON902,CON903,CON904,CON905,CON906
PCX-V0013-1	OUTPUT FADER PCB ASSY	1	
POT12-654B02V1	50K X 2 6MM DUAL VERTICAL	2	POT900,POT901
POT14-6241BDV1	20K 6MM D DUAL DET VERT	8	POT101,POT201,POT301,POT401,POT501,POT601,POT701,POT801,
POT25-1014MA01	PANASONIC 10K MONO FADER	11	FAD100,FAD200,FAD300,FAD400,FAD500,FAD600,FAD700,FAD800,FAD900,FAD901 FAD902
POT91-6543BV1	50K 6MM D VERT	8	POT100,POT200,POT300,POT400,POT500,POT600,POT700,POT800
PWR32-MFR005	50mA PTC RESETTABLE FUSE	1	F1
PWR32-MFR050	500mA PTC RESETTABLE FUSE	2	F2,F3
RES04-0E2R20	2R2 RES.M.FILM 1% 0.4W	10	R10,R15,R30,R35,R50,R55,R70,R75,R1041,R1043
RES04-1E1R00	10R RES.M.FILM 1% 0.4W	8	R919,R920,R972,R975,R977,R978,R980,R981
RES04-1E4R70	47R RES.M.FILM 1% 0.4W	2	R976,R979
RES54-0E0R00	0R 0805 SMD 1%	7	R12,R32,R52,R72,R1042,R1046,R1049
RES54-1E2R20	22R 0805 SMD 1%	5	R247,R447,R647,R847,R1045
RES54-1E4R70	47R 0805 SMD 1%	6	R14,R34,R54,R74,R1011,R1044
RES54-2E3R30	330R 0805 SMD 1%	8	R151,R251,R351,R451,R551,R651,R751,R851
RES54-2E6R80	680R 0805 SMD 1%	10	R152,R252,R352,R452,R552,R652,R752,R852,R941,R984
RES54-3E1R00	1K 0805 SMD 1%	15	R124,R224,R324,R424,R524,R624, R724,R824,R924,R928,R932,R936,R1004,R1013,R1019,
RES54-3E1R20	1K2 0805 SMD 1%	2	R949,R988
RES54-3E2R00	2K 0805 SMD 1%	8	R122,R222,R322,R422,R522,R622,R722,R822
RES54-3E2R20	2K2 0805 SMD 1%	4	R966,R968,R969,R971
RES54-3E3R30	3K3 0805 SMD 1%	16	R103,R106,R203,R206,R303,R306,R403,R406,R503,R506,

Part Identifier	Description	Quantity	Reference Text
RES54-3E3R30	3K3 0805 SMD 1%	16	R603,R606,R701,R706,R801,R806,
RES54-3E4R70	4K7 0805 SMD 1%	60	R110,R116,R120,R121,R123,R131, R210,R216,R220,R221,R223,R231, R310,R316,R320,R321,R323,R331, R410,R416,R420,R421,R423,R431, R510,R516,R520,R521,R523,R531, R610,R616,R620,R621,R623,R631, R710,R716,R720,R721,R723,R731, R810,R816,R820,R821,R823,R831, R993,R996,R1001,R1003,R1006,R1007, R1012,R1015,R1016,R1018,R1021,R1022
RES54-3E5R10	5K1 0805 SMD 1%	13	R118,R218,R318,R418,R518,R618,R718,R818,R944,R945,R1005,R1014,R1020
RES54-3E5R60	5K6 0805 SMD 1%	4	R910,R911,R912,R937
RES54-3E6R80	6K8 0805 SMD 1%	48	R104,R107,R109,R112,R204,R207,R209,R212, R304,R307,R309,R312,R404,R407,R409,R412, R504,R507,R509,R512,R604,R607,R609,R612, R704,R707,R709,R712,R804,R807,R809,R812, R948,R950,R952,R953,R954,R956,R960,R962, R967,R970,R973,R974,R985,R986,R989,R990
RES54-3E7R50	7K5 0805 SMD 1%	4	R133,R333,R533,R733,
RES54-3E8R20	8K2 0805 SMD 1%	3	R914,R940,R942
RES54-4E1R00	10K 0805 SMD 1%	83	R111,R114,R115,R117,R130,R132,R140,R141, R211,R214,R215,R217,R230,R232,R240,R241, R311,R314,R315,R317,R330,R332,R340,R341, R411,R414,R415,R417,R430,R432,R440,R441, R511,R514,R515,R517,R530,R532,R540,R541, R611,R614,R615,R617,R630,R632,R640,R641, R711,R714,R715,R717,R730,R732,R740,R741, R811,R814,R815,R817,R830,R832,R840,R841, R909,R918,R955,R957,R958,R959,R961,R963, R992,R994,R995,R997,R1000,R1002,R1010,R1033, R1034,R1050,R1052
RES54-4E1R20	12K 0805 SMD 1%	104	R13,R33,R53,R73,R100,R102,R105,R125,R126,R129,R136,R144,R145, R146,R200,R202,R205,R225,R226,R229,R233,R236,R244,R245,R246, R248,R300,R302,R305,R325,R326,R329,R336,R344,R345,R346,R400 R402,R405,R425,R426,R429,R433,R436,R444,R445,R446,R448,R500,R502, R505,R525,R526,R529,R536,R544,R545,R546,R600,R602,R605,R625,R626, R629,R633,R636,R644,R645,R646,R648,R700,R705,R725,R726,R729 R736,R744,R745,R746,R800,R805,R825,R826,R829,R833,R836,R844,R845, R846,R848,R900,R908,R951,R987,R991,R1026,R1027,R1028,R1029,R1030 R1035,R1036,R1039,R1040,

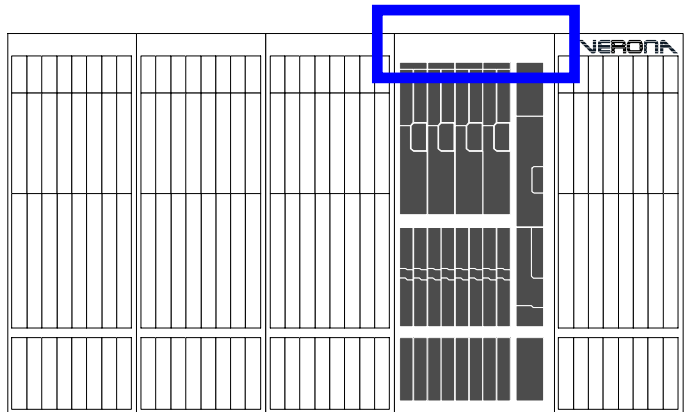
Part Identifier	Description	Quantity	Reference Text
RES54-4E1R80	18K 0805 SMD 1%	80	R127,R128,R134,R135,R137,R138,R142,R143,R227,R228,R234,R235, R237,R238,R242,R243,R249,R250,R327,R328,R334,R335,R337,R338, R342,R343,R427,R428,R434,R435,R437,R438,R442,R443,R449,R450, R527,R528,R534,R535,R537,R538,R542,R543,R627,R628,R634,R635, R637,R638,R642,R643,R649,R650,R727,R728,R734,R735,R737,R738, R742,R743,R827,R828,R834,R835,R837,R838,R842,R843,R849,R850 R903,R904,R998,R999,R1031,R1032,R1037,R1038
RES54-4E2R20	22K 0805 SMD 1%	20	R113,R139,R213,R239,R313,R339, R413,R439,R513,R539,R613,R639, R713,R739,R813,R839,R906,R907, R1024,R1025
RES54-4E3R00	30K 0805 SMD 1%	2	R901,R902
RES54-4E3R30	33K 0805 SMD 1%	3	R913,R964,R965
RES54-4E4R70	47K 0805 SMD 1%	16	R11,R31,R51,R71,R108,R208,R308,R408,R508,R608,R708,R808,R915 R946,R947,R1009
RES54-5E1R00	100K 0805 SMD 1% RES	22	R101,R201,R301,R401,R501,R601, R905,R921,R922,R923,R925,R926, R927,R929,R930,R931,R933,R934, R935,R938,R939,R943
RES54-5E2R20	220K 0805 SMD 1% RES	5	R916,R917,R1051,R1053,R1054
RES54-5E4R70	470K 0805 SMD 1% RES	13	R119,R219,R319,R419,R519,R619,R719,R819,R982,R983,R1008,R1017,R1023
RES61-04I512	4 X 12K DIL PAK SMD	6	RP900,RP901,RP902,RP903,RP904,RP905
SEM11-1N4002	1N4002 TAPED/REEL	10	D10,D11,D30,D31,D50,D51,D70,D71,D901,D902
SEM15-BAS16	SMD DIODE BAS16 SOT23	25	D100,D101,D102,D200,D201,D202,D300,D301,D302,D400,D401,D402,D500, D501,D502,D600,D601,D602,D700,D701,D702,D800,D801,D802,D900,
SEM31-BC327	BC327 TRANSISTOR T092	2	Q906,Q908
SEM31-BC337	BC337 TRANSISTOR	2	Q905,Q907
SEM34-J112SMD	SMD J112 FET	15	Q100,Q200,Q300,Q400,Q500,Q600,Q700,Q800,Q901,Q902,Q903,Q904 Q909,Q910,Q911
SEM35-491A	491A NPN SMD TRANSISTOR	4	Q10,Q30,Q50,Q70
SEM35-BC846B	BC846B SMD NPN TRANSISTR	2	Q900,Q912
SEM51-33178	SMD DUAL OP AMP (SO8)	14	U102,U202,U302,U402,U502,U602,U702,U802,U900,U905,U907,U908 U911,U915,
SEM51-33179	SMD QUAD OP AMP (SO14)	11	U103,U203,U303,U403,U503,U603,U703,U803,U901,U913,U914,
SEM51-MC33078D	SMD DUAL OP AMP	34	U100,U101,U104,U105,U200,U201,U204,U205,U300,301,U304,U305, U400,U401,U404,U405,U500,U501,U504,U505,U600,U601,U604,U605 U700,U701,U704,U705,U800,U801,U804,U805,U902,U903
SEM51-NE5532D	SMD DUAL OP AMP	1	U909
SEM51-NE5534D	SMD OP AMP	3	U906,U910,U912
SEM54-0HC4053	SMD IC 74HC4053D (SO16)	33	U106,U107,U108,U206,U207,U208,U209,U306,U307,U308,U406,U407,U408, U409,U506,U507,U508,U606,U607,U608,U609,U706,U707,U708,U806,U807,

Part Identifier	Description	Quantity	Reference Text
SEM54-0HC4053	SMD IC 74HC4053D (SO16)	33	U808,U809,U904,U916,U917,U918,U919
SWT01-JPS2LCV	2POLE LATCH VERT JPS2281	70	S100,S101,S105,S106,S107,S108,S109,S200,S201,S205,S206,S207,S208 S209,S300,S301,S305,S306,S307,S308,S309,S400,S401,S405,S406,S407, S408,S409,S500,S501,S505,S506,S507,S508,S509,S600,S601,S605,S606, S607,S608,S609,S701,S705,S706,S707,S708,S709,S801,S805,S806,S807 S808,S809,S900,S901,S902,S903,S904,S905,S906,S907,S908,S909,S910, S911,S912,S918,S921,S922
SWT01-LTV75R01	VERT LATCH SWT & LED RED	25	S102,S104,S202,S204,S302,S304, S402,S404,S502,S504,S602,S604, S702,S704,S802,S804,S914,S915, S916,S917,S919,S920,S923,S924, S925
SWT01-LTV75Y01	VERT LTCH SWT & LED YELL	19	S103,S110,S203,S210,S303,S310,S403,S410,S503,S510, S603,S610,S703,S710,S803,S810,S913,S926,S927
TMR23-55Y5S102	1N NOISE SUPPRESSOR CAP	2	SUP900,SUP901



V0012 Output Connector PCB

V0012 Schematics -
V0012 Board Overlays -
V0012 Parts List -





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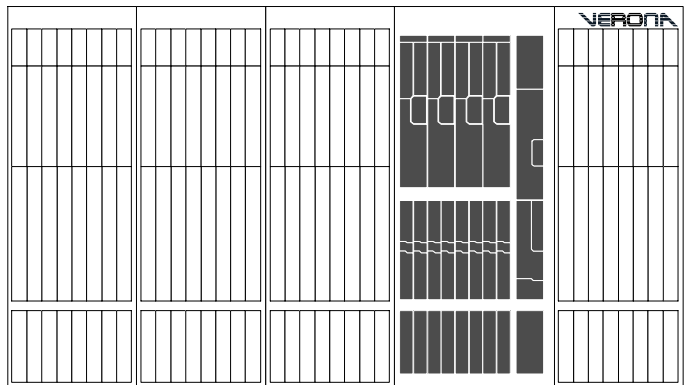
Parent Part Identifier Range: V0012-01-1 - V0012-01-1, Effective: 07/01/200

Part Identifier	Description	Quantity	Reference Text
		0	
CAP12-J110100	1NF POLYSTER CAP 0.2"	36	C10,C11,C12,C13,C20,C21,C30, C31,C32,C33,C40,C41,C50,C51, C52,C53,C60,C61,C70,C71,C72, C73,C80,C81,C90,C91,C92,C93, C94,C95,C96,C97,C100,C101, C102,C103
CAP12-J147100	4N7 POLYESTER CAP	54	C14,C15,C16,C17,C22,C23,C24,C25, C26,C27,C34,C35,C36,C37,C42,C43, C44,C45,C46,C47,C54,C55,C56,C57, C62,C63,C64,C65,C66,C67,C74,C75, C76,C77,C82,C83,C84,C85,C86,C87, C98,C99,C104,C105,C106,C107,C108, C109,C110,C111,C112,C113,C114,C115
CON11-20MR2	20WY R/A ML LOW PRO BOX	6	CON1,CON2,CON3,CON4,CON6,CON7
CON31-3FAV1	NC3FAV FEMALE XLR	1	CON93
CON31-3MAV	NC3MAV MALE XLR	27	CON12,CON13,CON21,CON22,CON23, CON32,CON33,CON41,CON42,CON43, CON52,CON53,CON61,CON62,CON63, CON72,CON73,CON81,CON82,CON83, CON94,CON96,CON97,CON98,CON99, CON100,CON101
CON32-FC684056	QUAD PC PHONO PHS-12D	1	CON95
CON32-SCJ651M1	6.3DIA PCB JACK SKT CHAM	15	CON10,CON11,CON20,CON30,CON31, CON40,CON50,CON51,CON60,CON70, CON71,CON80,CON90,CON91,CON92
PCX-V0012-1	OUTPUT CONNECTOR PCB	1	
RES04-1E5R60	56R RES.M.FILM 1% 0.4W	36	R10,R11,R12,R13,R20,R21,R30,R31, R32,R33,R40,R41,R50,R51,R52,R53, R60,R61,R70,R71,R72,R73,R80,R81, R90,R91,R92,R93,R94,R95,R96,R97, R99,R100,R101,R102



V0010 Power Distribution Board

- V0010 Schematics -
- V0010 Board Overlay -
- V0010 Parts List -





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Parent Part Identifier Range: V0010-01-1 - V0010-01-1, Effective: 07/01/200

Part Identifier	Description	Quantity	Reference Text
Verona Power Supply Distribution Board			
CON02-04SMVL	0.156" 4WY VERT HDR	1	J3
CON02-06SMVL	6WY 0.156" VERT LOCK ML	2	J2,J4
CON02-08SMVL	0.156" 8WY VERT LKG ML	1	J1
PCX-V0010-1	POWER DISTRIBUTION PCB	1	
PWR32-MFR030	300mA PTC RESETTABLE FUSE	2	F1,F5
PWR32-MFR110	1.1A PTC RESETTABLE FUSE	2	F3,F4
PWR32-MFR300	3A PTC RESETTABLE FUSE	4	F2,F6,F7,F8
SEM11-1N4002	1N4002 TAPED/REEL	1	D4
SEM11-1N5401	1N5401	3	D1,D2,D3



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Parent Part Identifier Range: V480-01-2 - V480-01-2, Effective: 07/01/200.

Part Identifier	Description	Quantity	Reference Text
		0	
ACBLX-1657-2	20 WAY RIBBON CABLE- 88MM	5	
ACBLX-1835-3	AUDIO POWER CONN CABLE	4	
ACBLX-1836-3	20 WAY RIBBON CABLE-300MM	1	
ACBLX-1837-2	26 WAY RIBBON CABLE- 88MM	24	
ACBLX-1840-3	VERONA LITTLITE LINK CBLE	2	
ACBLX-1841-3	PHANTOM POWER CONN CBLE	2	
ACBLX-1841-4	PHANTOM POWER CONN CBLE	2	
ACBLX-1842-3	PHANTOM PWR LNK CONN CBLE	2	
ACBLX-1844-3	HEADPHONE JACK CBLE 250MM	1	
CON31-WIR12-2	NC3FAY XLR+CONN-700MM	3	
CON31-WIR14-2	NC6MP XLR + CONN	1	
CON81-EFT51	GROUND POST	1	
FAS03-M30SZ	M3 INT LOCK WASHER ZINC	188	
FAS03-M40SZE	M4 EXTERNAL STAR WASHER	30	
FAS03-M50SZE	M5 EXTERNAL STAR WASHER	2	
FAS11-M3X06PN	M3X6 PAN NICKEL TORX	177	
FAS11-M3X06RN	M3X6 RSD CSK NICKEL TORX	56	
FAS11-M3X10PN	M3X10 PAN NICKEL TORX	13	
FAS11-M4X06PN	M4X06 PAN NICKEL TORX	28	
FAS11-M4X10PN	M4X10 PAN NICKEL TORX	2	
FAS11-N0410PN	NO4X3/8" PAN TORX	152	
HWR05-651PA	SIZE A FLEXIBLE GROMMET	0	
HWR06-MD2412-1	H1000 JACK SOCKET HOLDER	1	
MWX-V000M03-1	MASTER JACK SCREENING BKT	1	
MWX-V000M12-4	WRITE ON STRIP 1-16	1	
MWX-V000M13-4	WRITE ON STRIP 17-24	1	
MWX-V000M14-4	WRITE ON STRIP 25-32	1	
MWX-V000M15-4	WRITE ON STRIP 33-40	1	
MWX-V000M16-4	WRITE ON STRIP 41-48	1	
MWX-V000M19-4	GRP MASTER WRITE ONSTRIP	1	
MWX-V480M07-2	48 CH BASE PANEL ASSY	1	DWG: V480M07 ISSUE 2 ARTWORK V480A04 ISSUE 2 PIECE PARTS 48CH BOX STIFFENER V480M03-2 48CH REAR CONN PNL V480M04-2

Part Identifier	Description	Quantity	Reference Text
MWX-V480M07-2	48 CH BASE PANEL ASSY	1	48CH BASE PANEL V480M05-2
PWR04-V175	VERONA 175W PSU	2	
V0002-01-1	MONO INPUT CONN ASSY	5	
V0005-01-1	STEREO INPUT CONN ASSY	1	
V0010-01-1	POWER DISTRIBUTION ASSY	1	
V0012-01-1	O/P CONNECTOR PCB ASSY	1	
WIR93-19MMBASE	S/ADHSV 19MM TYRAP BASE	20	
WIR93-RS543428	TYRAP SMALL 99 X 2.5	40	



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Parent Part Identifier Range: V480-02-2 - V480-02-2, Effective: 07/01/200.

Part Identifier	Description	Quantity	Reference Text
		0	
FAS01-M4012KHB	M4 X 12 SKT HEAD CAP BLK	4	
FAS01-M4030KHB	M4 X 30 SKT HEAD CAP BLK	6	
FAS03-M40SZE	M4 EXTERNAL STAR WASHER	6	
FAS11-M3X06PN	M3X6 PAN NICKEL TORX	4	
FAS11-M4X10PN	M4X10 PAN NICKEL TORX	6	
FAS31-M24	2.4MM POP RIVET	3	
HWR41-64SPCLIP	6.4MM SPRING CLIP	3	
HWR99-BUF001	SELF-ADHESIVE BUFFER RND	8	
LMP21-18XHI3RA	18" LITTLITE XLR-3 R/A	3	
MWX-V000M22-2	VERONA L.H SIDE CHEEK	1	
MWX-V000M23-2	VERONA R.H SIDECHEEK	1	
MWX-V480M01-1	48 CHANNEL TOP TRIM ASSY	1	
MWX-V480M06-2	48 CHANNEL ARMREST	1	
PAC31-V480	VERONA 48CH DUST COVER	1	
PAC93-V480	VERONA 48CH TUFFLEX LABEL	1	
V0001-01-2	VERONA MONO INPUT MODULE	5	
V0004-01-2	VERONA STEREO I/P MODULE	1	
V0011-01-2	VERONA OUTPUT MODULE	1	
V480-01-2	48CH VERONA CHASSIS ASSY	1	

