

schematics
block diagrams
rear views
dimensions and weights

V12 mixing console



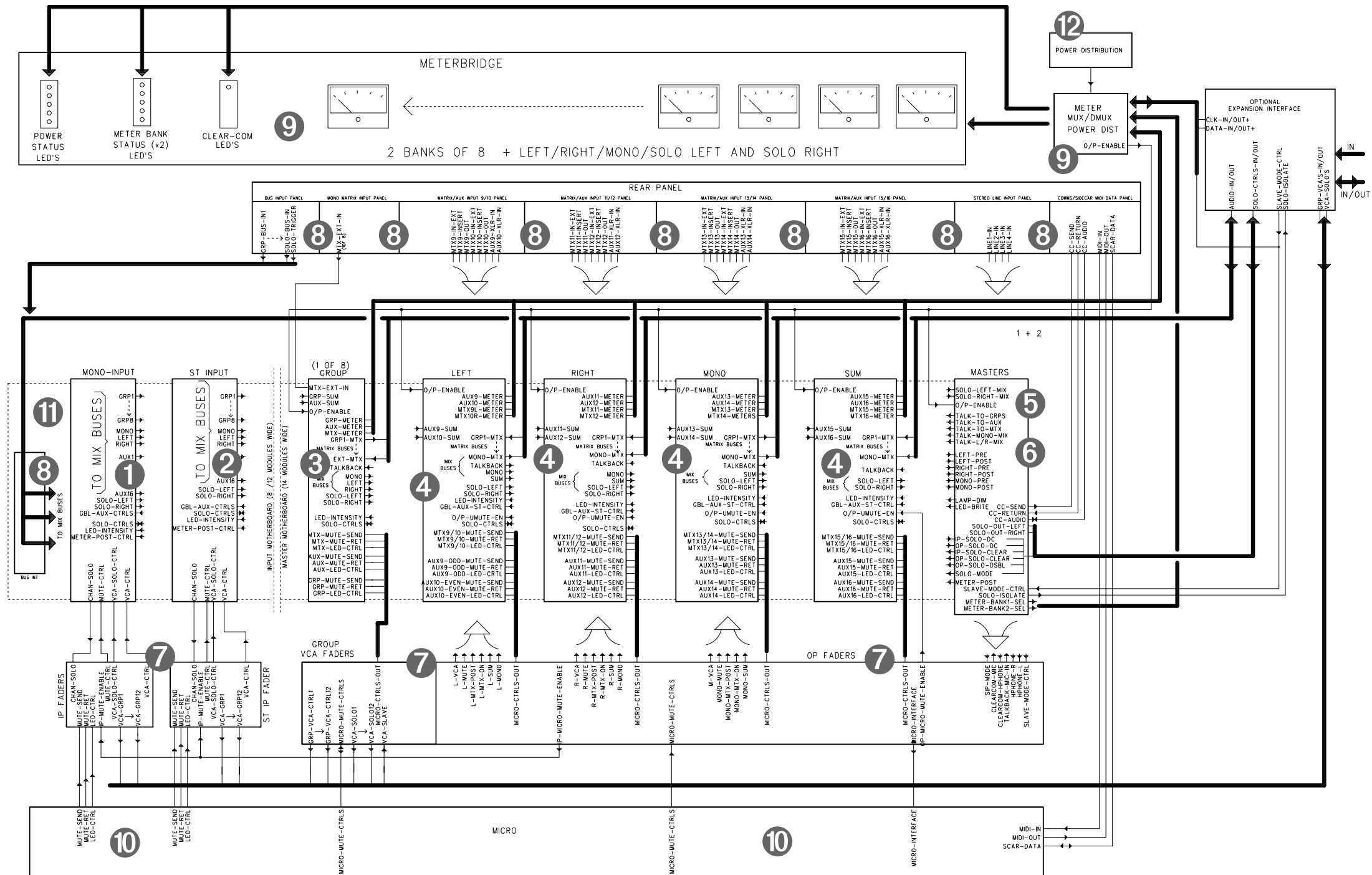
overall signal flow—block diagram

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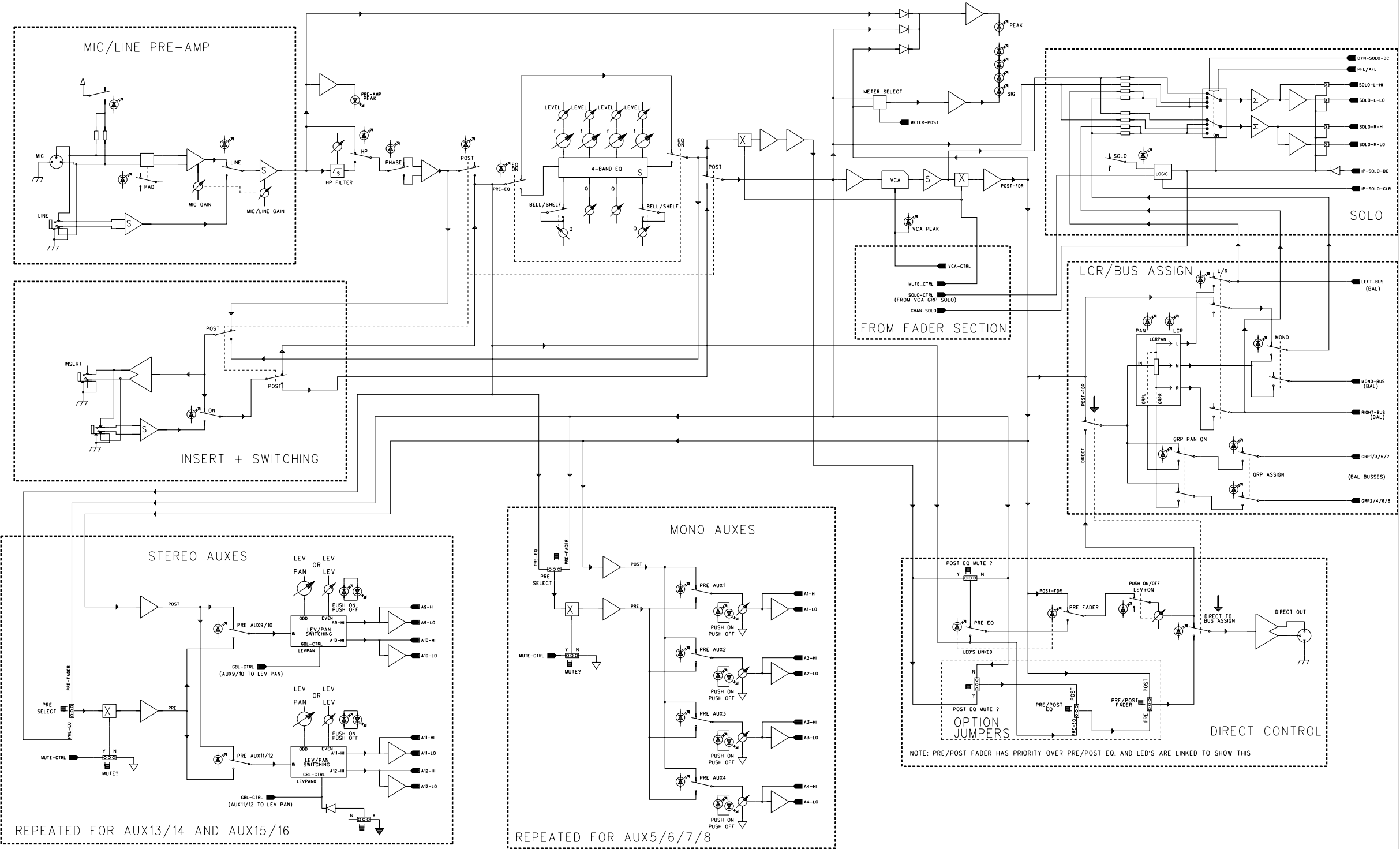
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mono input—block diagram

mono inputs
connector PCB
main PCB
main sub PCB

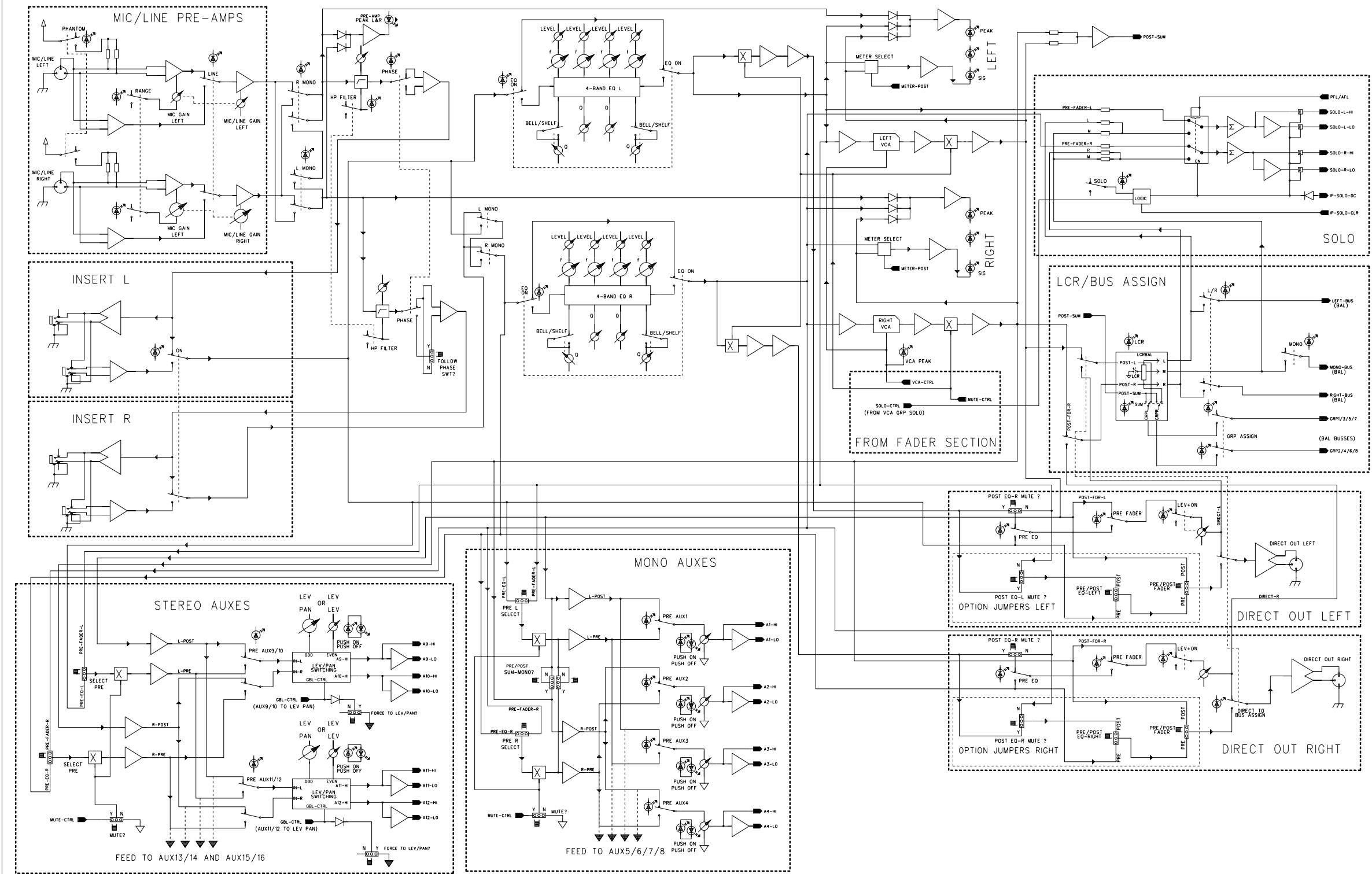
see p. 3



stereo input—block diagram

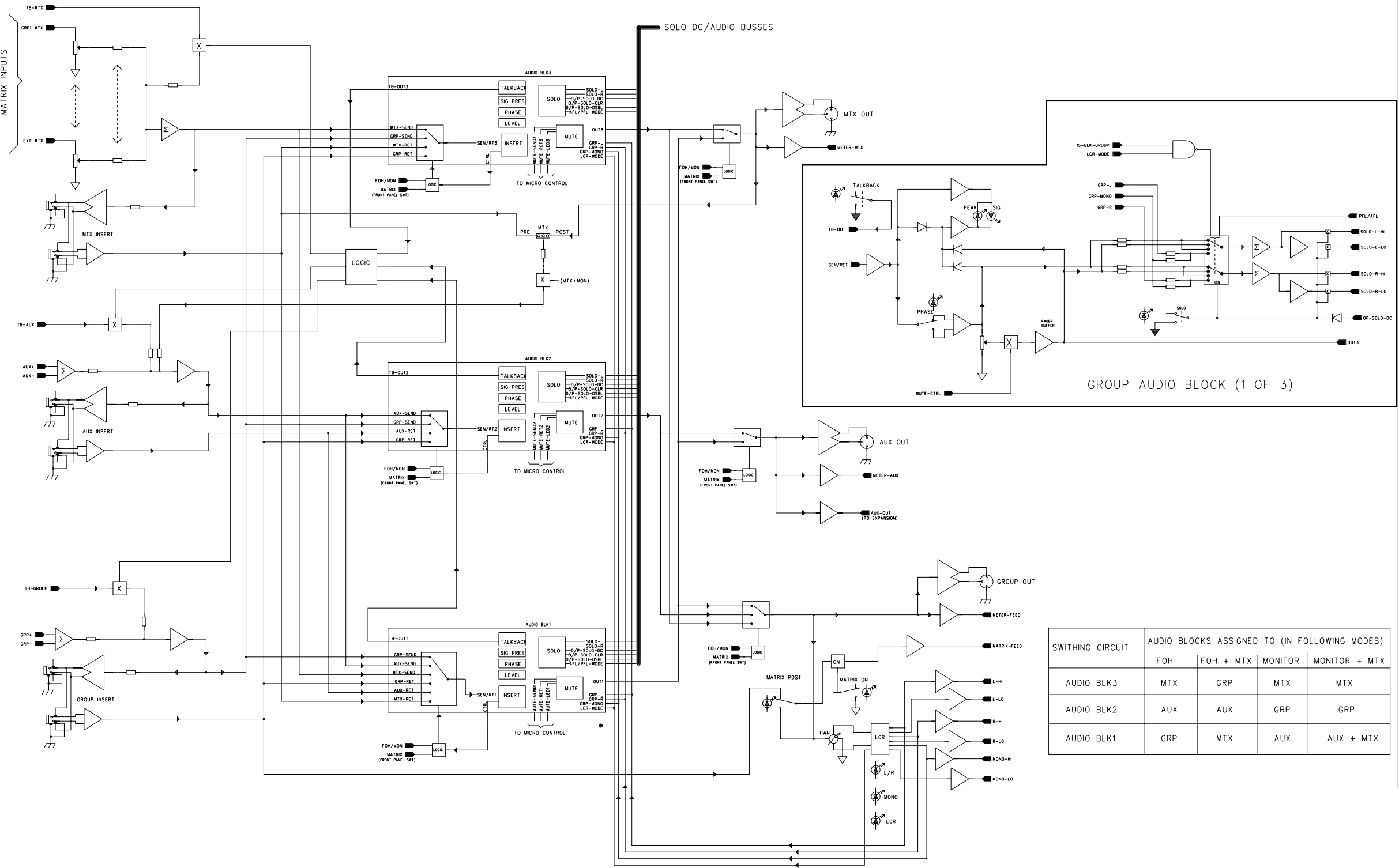
stereo inputs
connector PCB
connector sub PCB
main PCB
main sub PCB

see p. 13



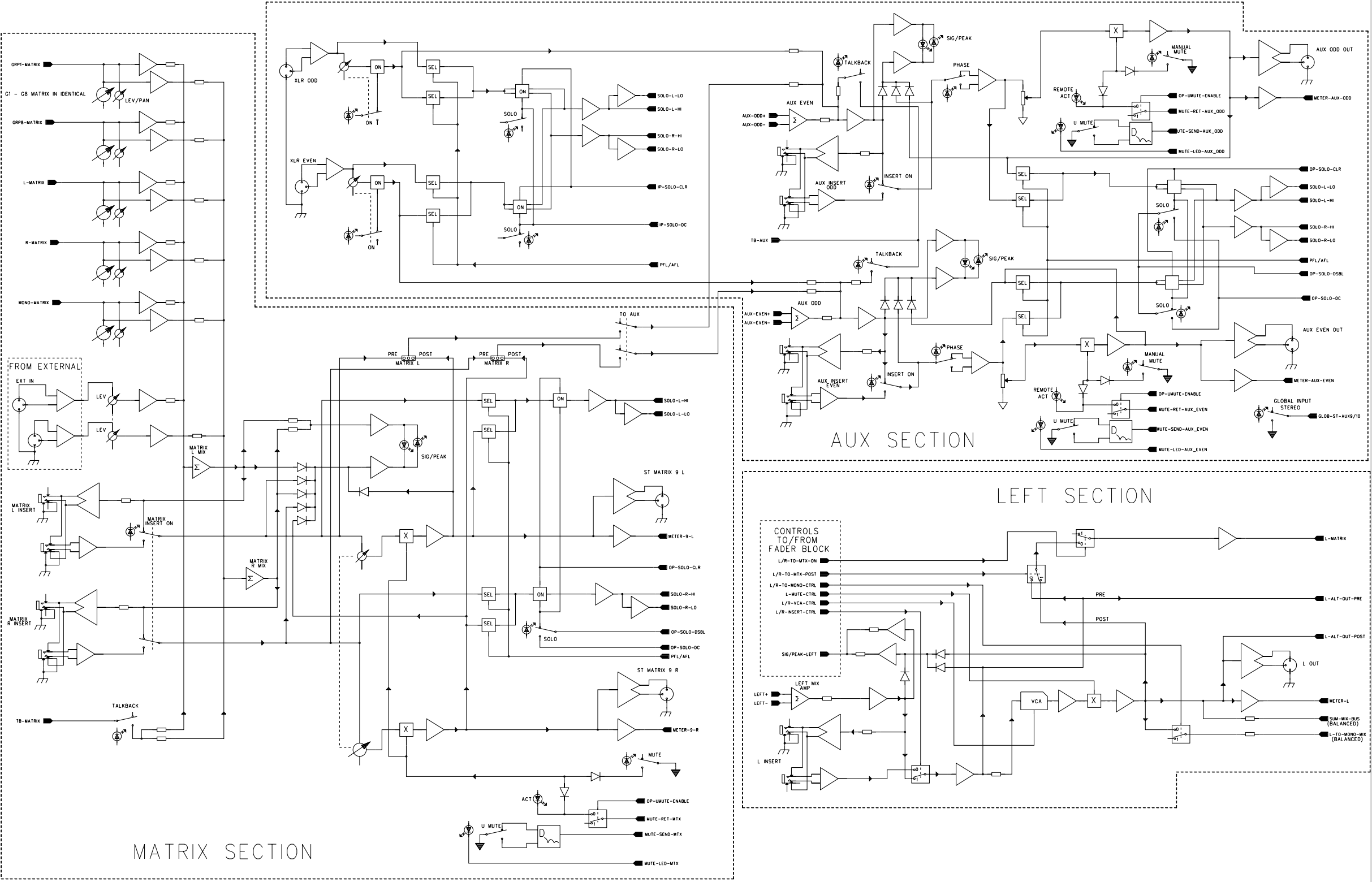
groups
audio sub PCB
connector PCB
main PCB
main sub PCB

see p. 26



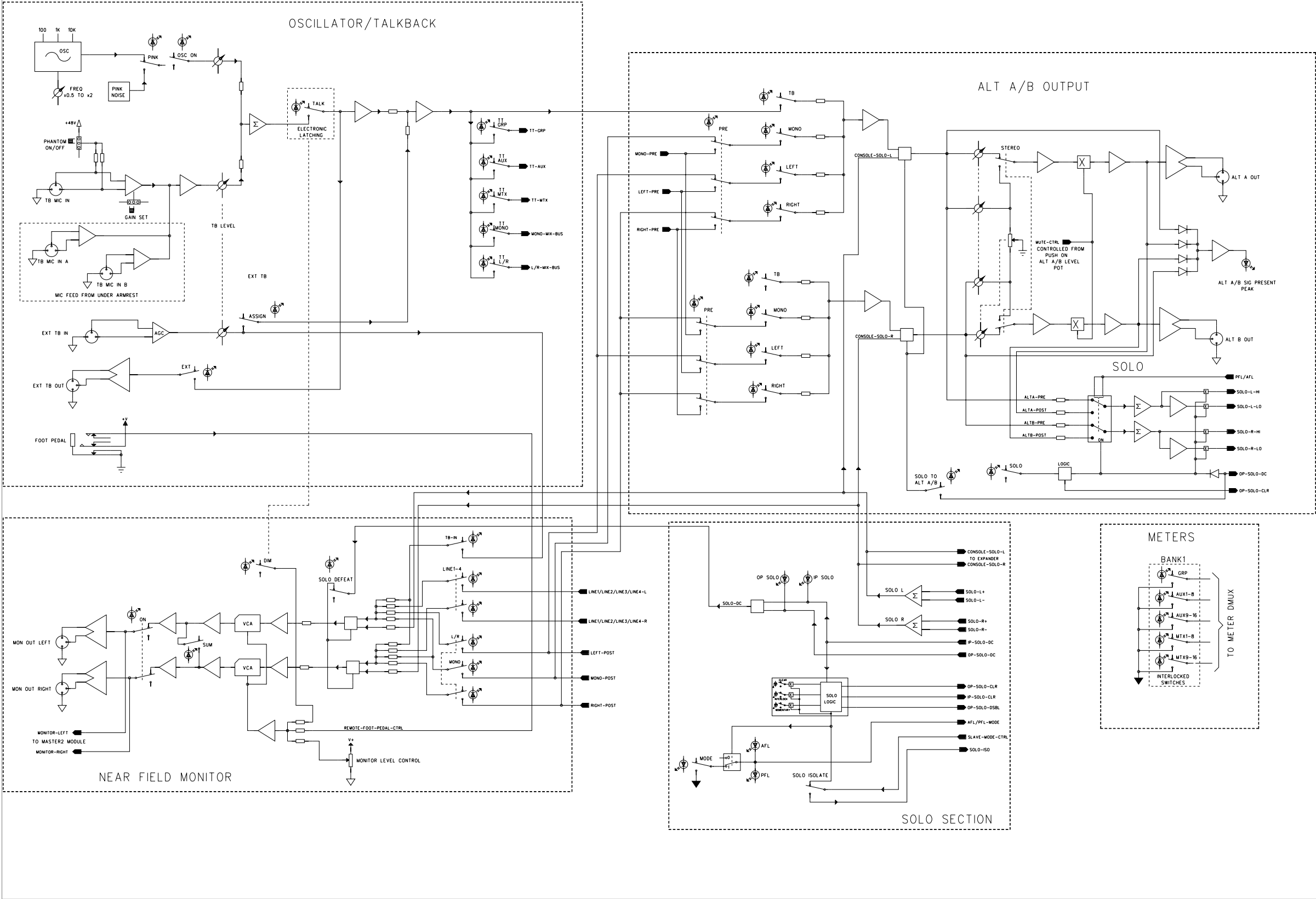
outputs
connector PCB
main PCB
main sub PCB

see p. 33



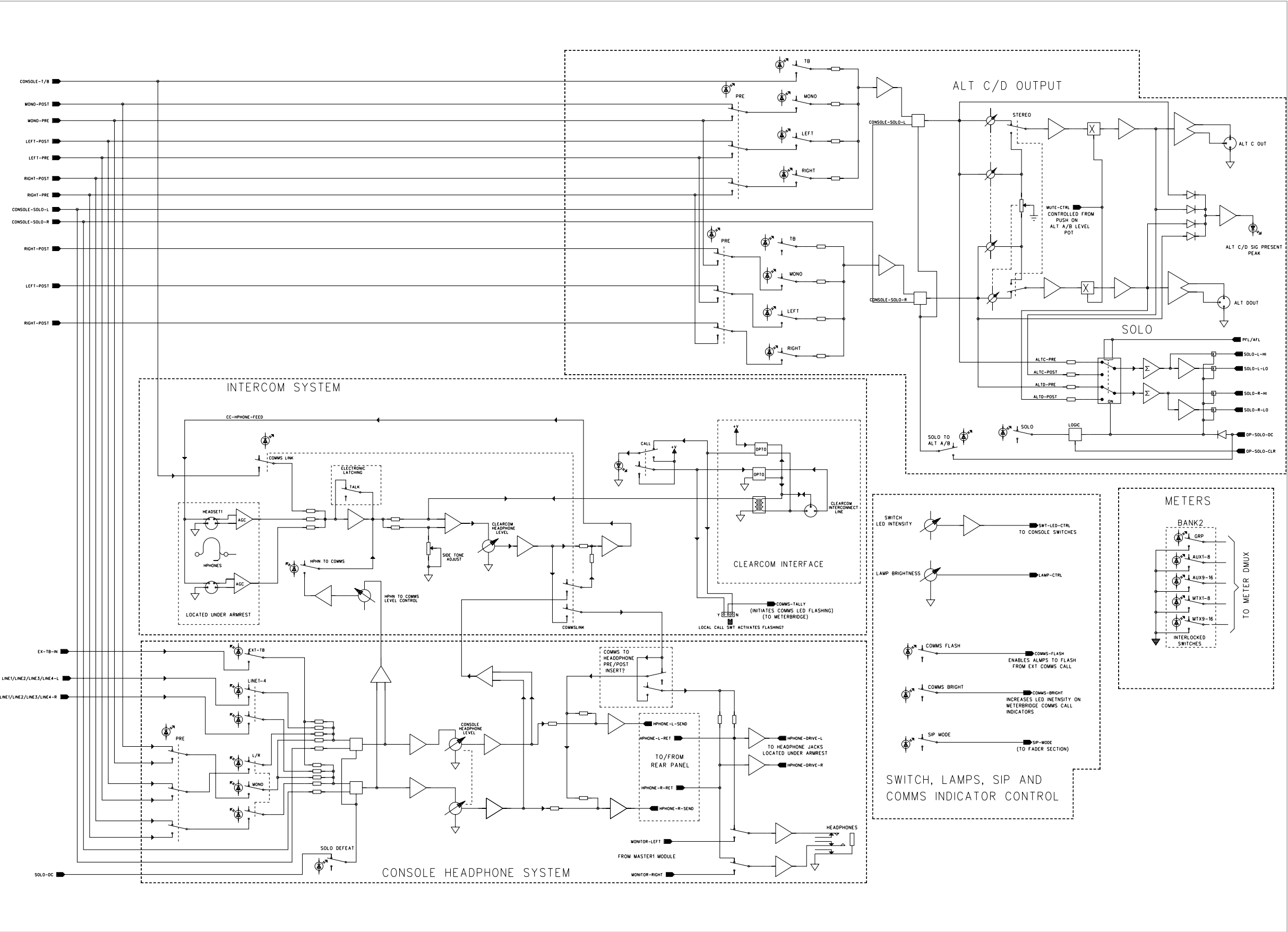
master 1
connector PCB
main PCB
main sub PCB

see p. 42



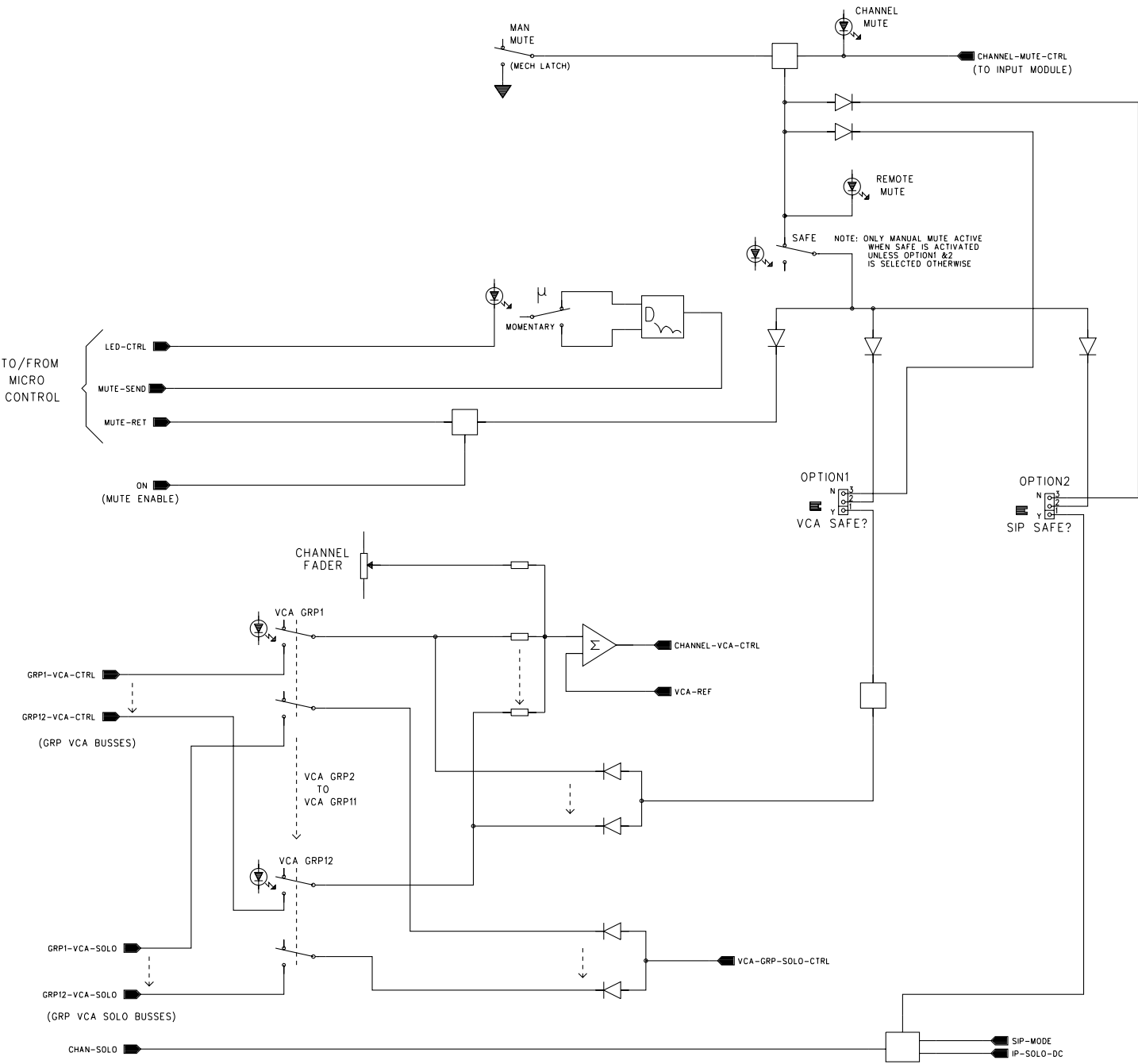
master 2
connector PCB
main PCB
main sub PCB

see p. 47

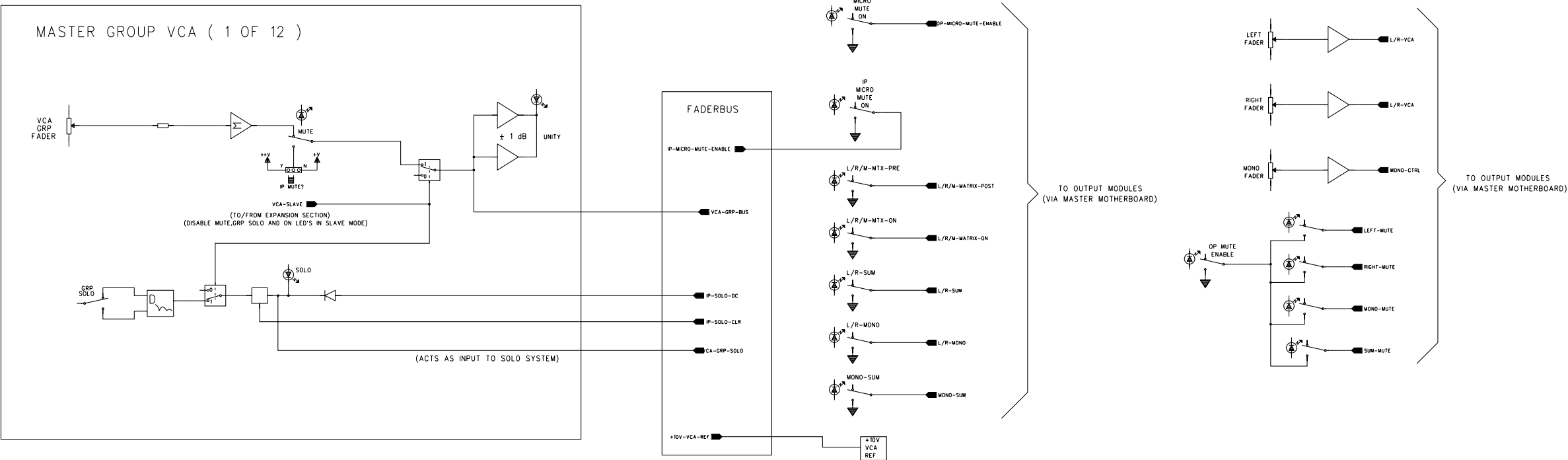


faders
fader PCB
fader mute PCB

see p.53



faders see p. 62
master VCA mute PCB
master VCA solo PCB
output control PCB



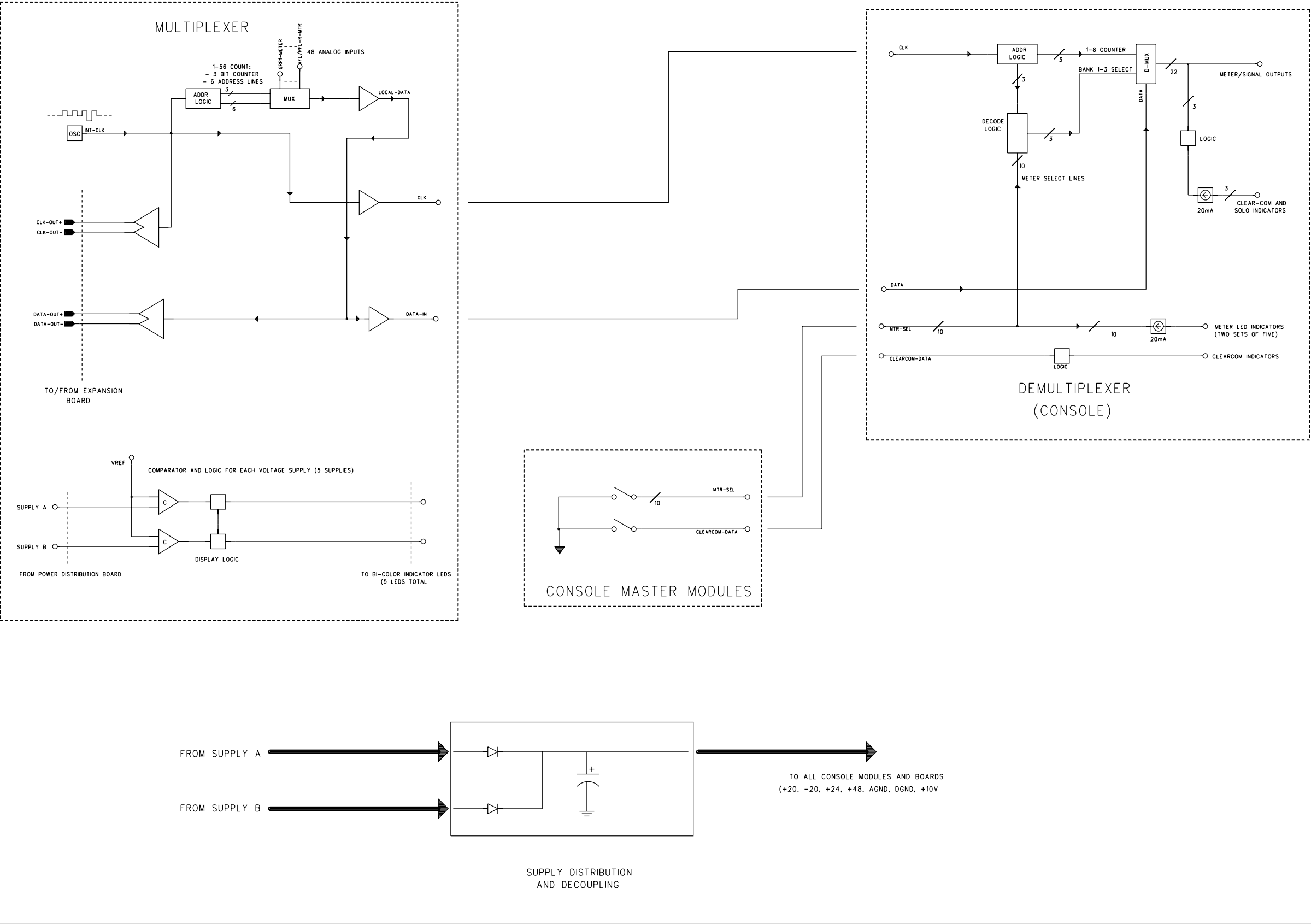
NOTE: THE MASTER MICRO INTERFACE PCB (LOCATED BELOW THIS SECTION ON THE FADER TRAY) DIRECTS MUTE SIGNALS FROM/TO THE MICRO SECTION AND THE MASTER MODULES.

meter system—block diagram

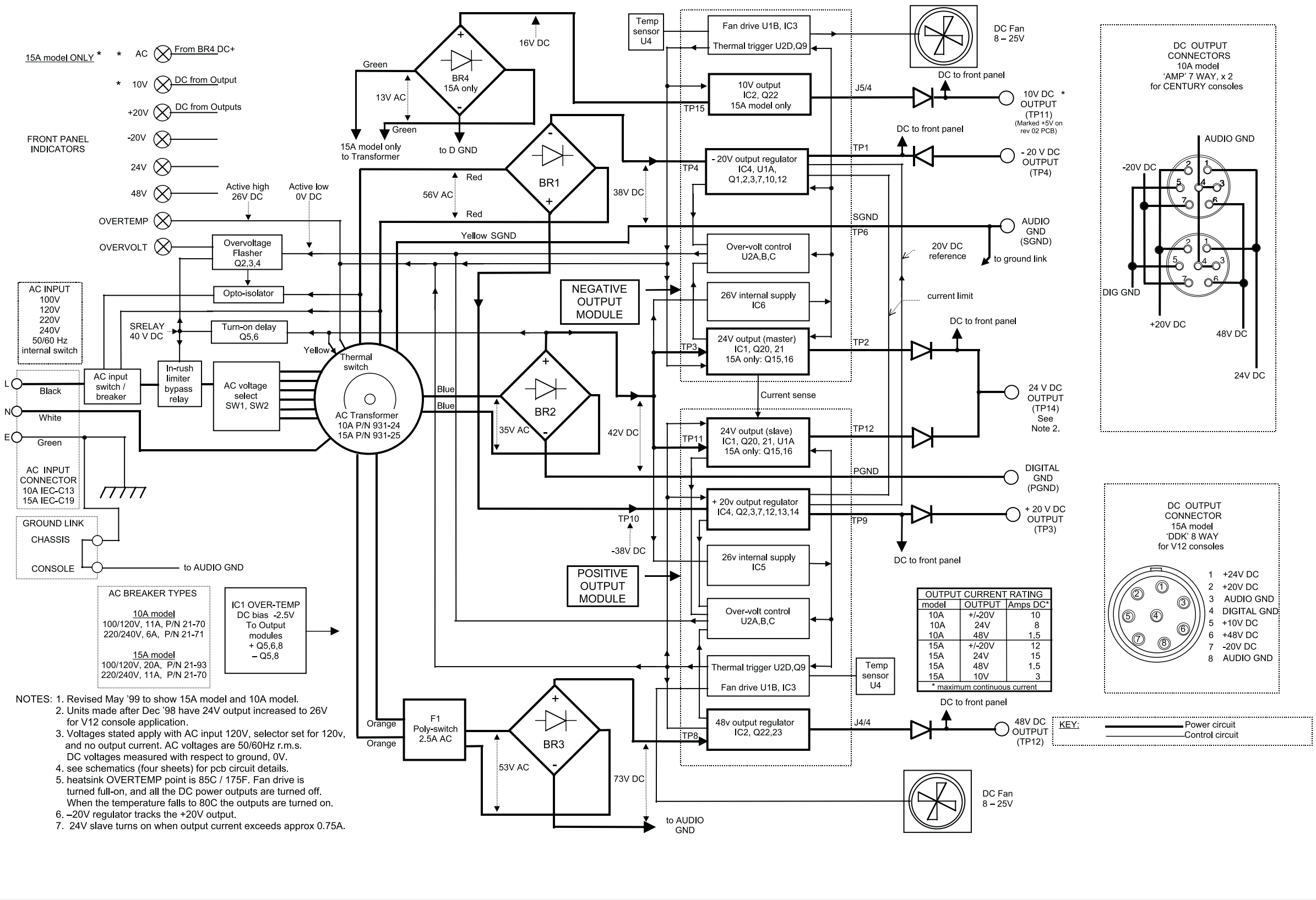
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meters
multiplexer/dimmer/fan control PCB
de-multiplexer PCB
indicator PCB

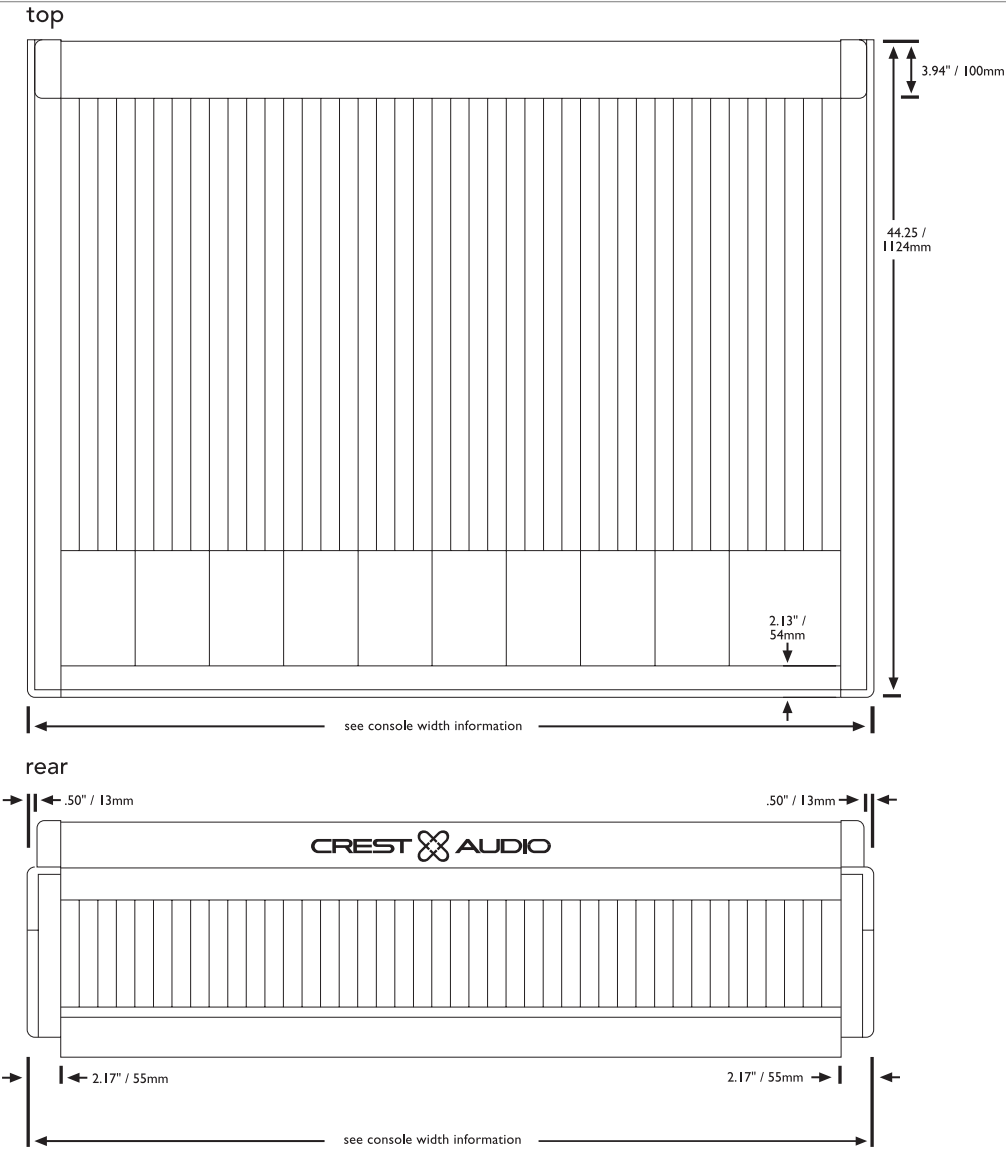
see p. 71



power supply
power distribution PCB
display PCB
negative HS PCB
positive HS PCB



console dimensions and rear-view

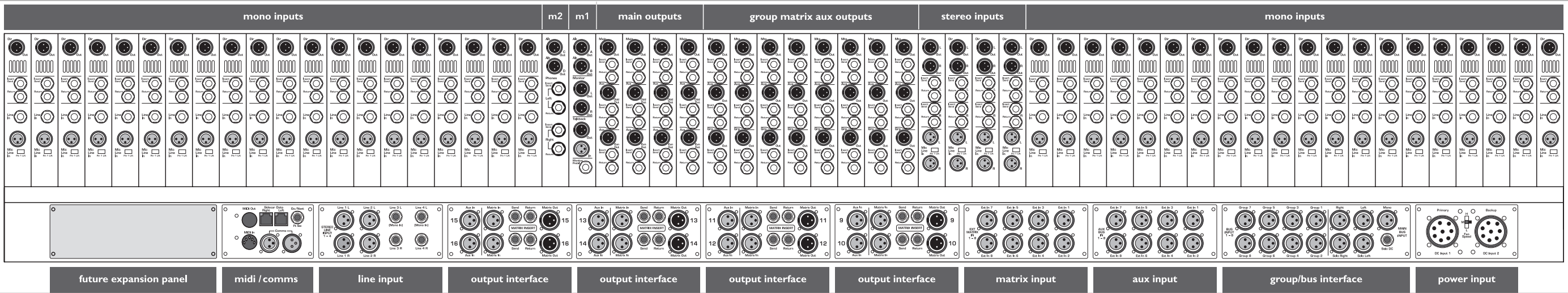
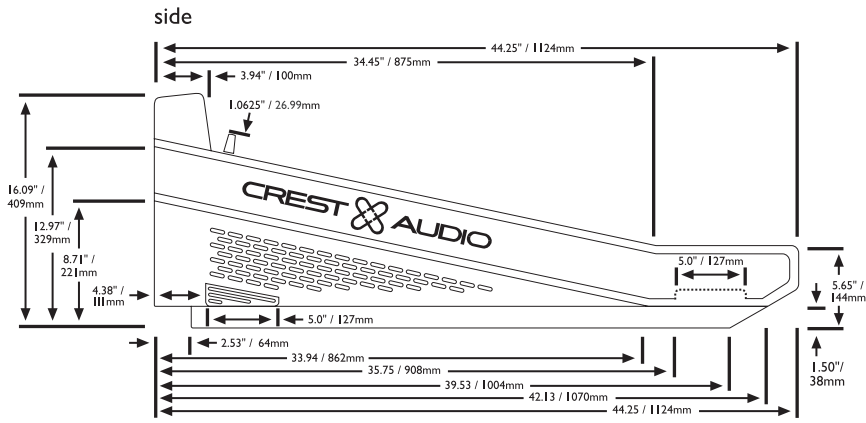


V 12

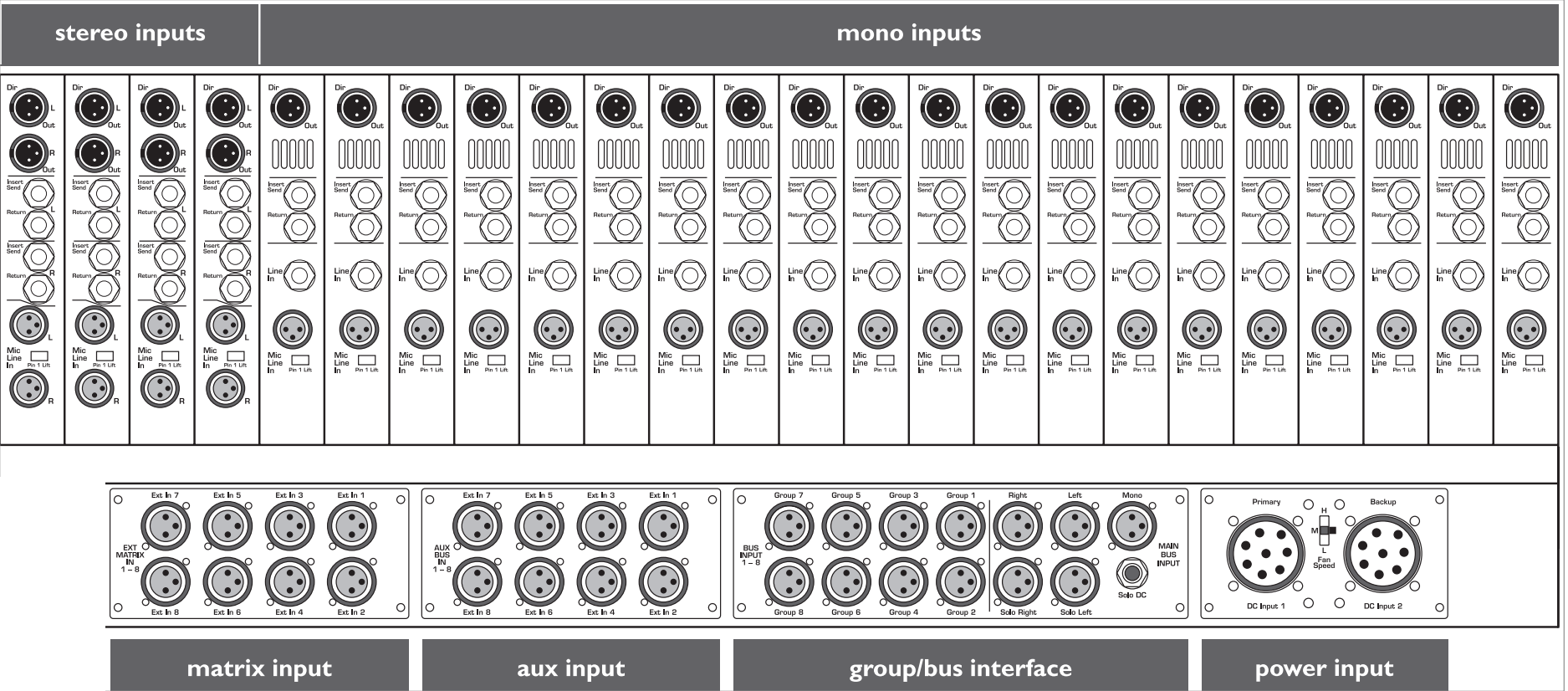
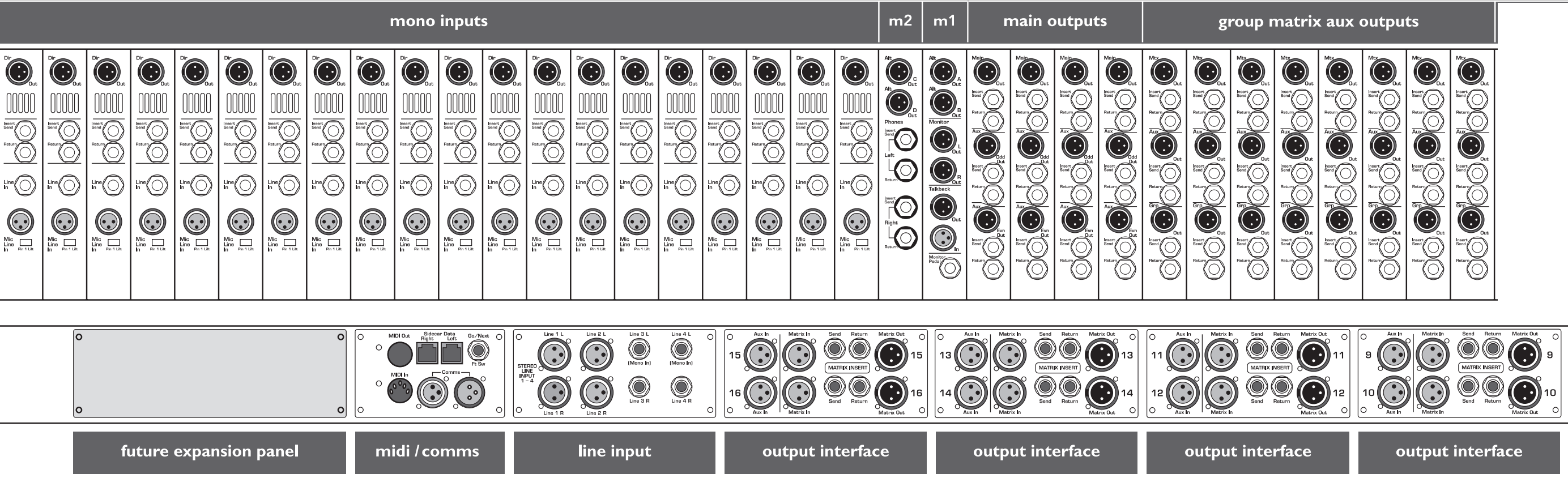
console width information

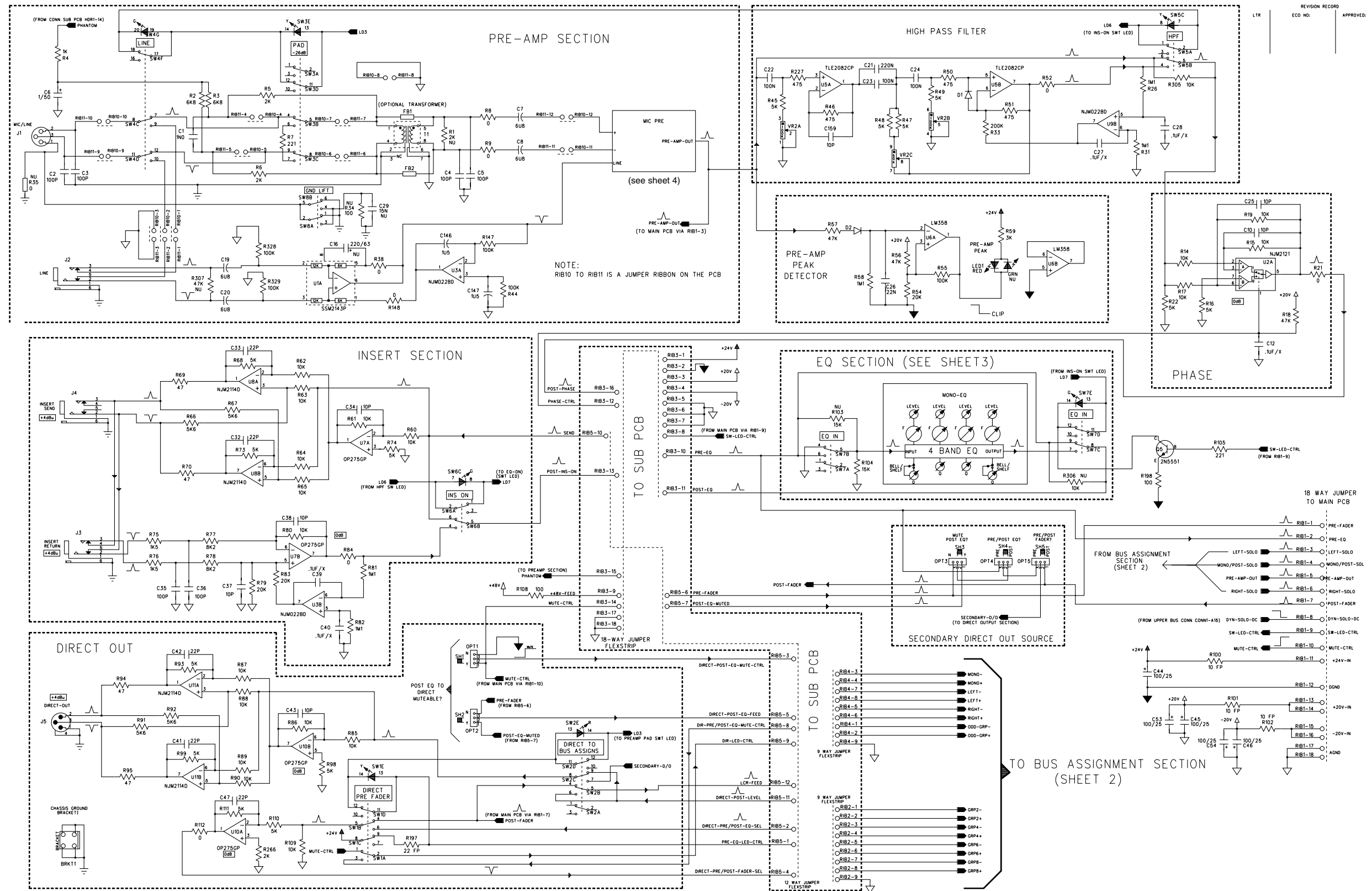
frame	dimensions	weight
42	57 x 44.25 x 16 in 145 x 112 x 40.6 cm	300 lbs 136 kg
50	67 x 44.25 x 16 in 170 x 112 x 40.6 cm	350 lbs 159 kg
58	77 x 44.25 x 16 in 196 x 112 x 40.6 cm	400 lbs 182 kg
66	87 x 44.25 x 16 in 221 x 112 x 40.6 cm	450 lbs 204 kg

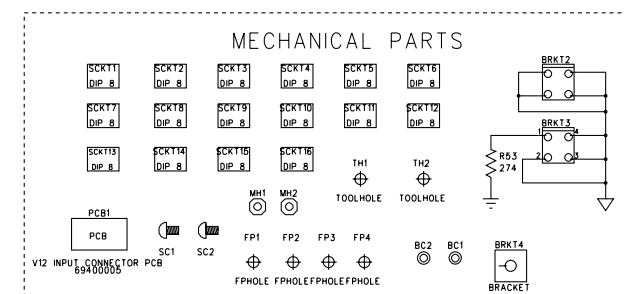
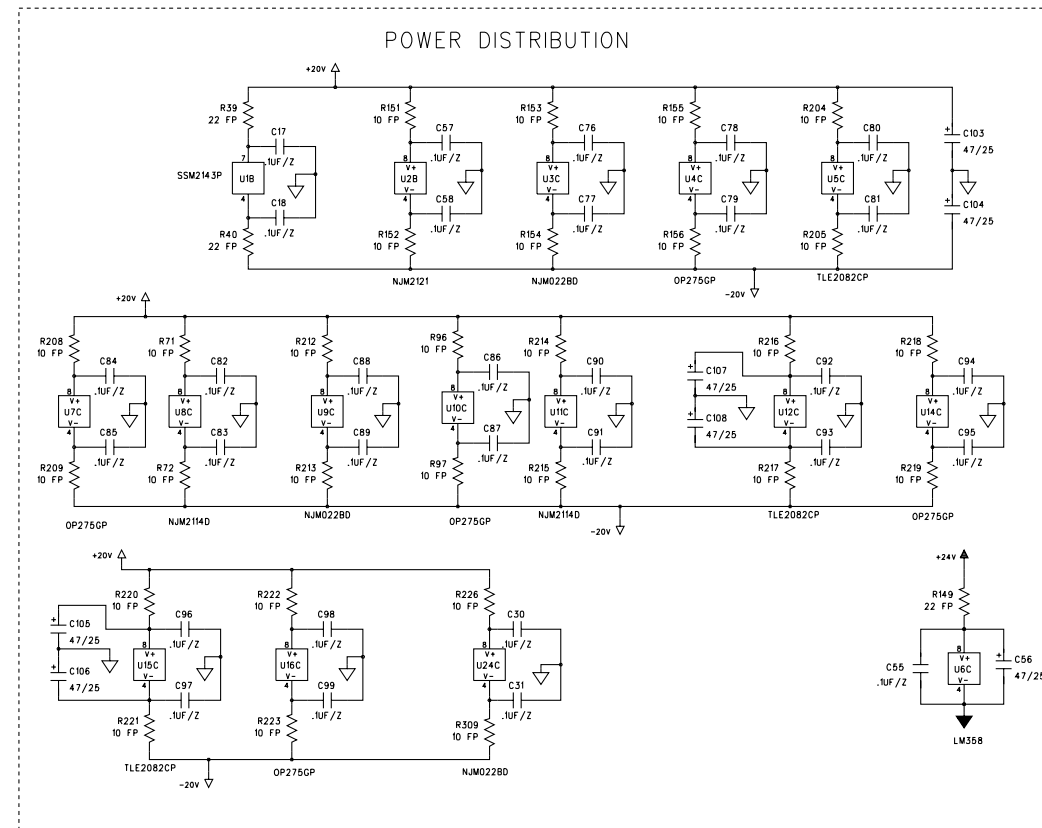
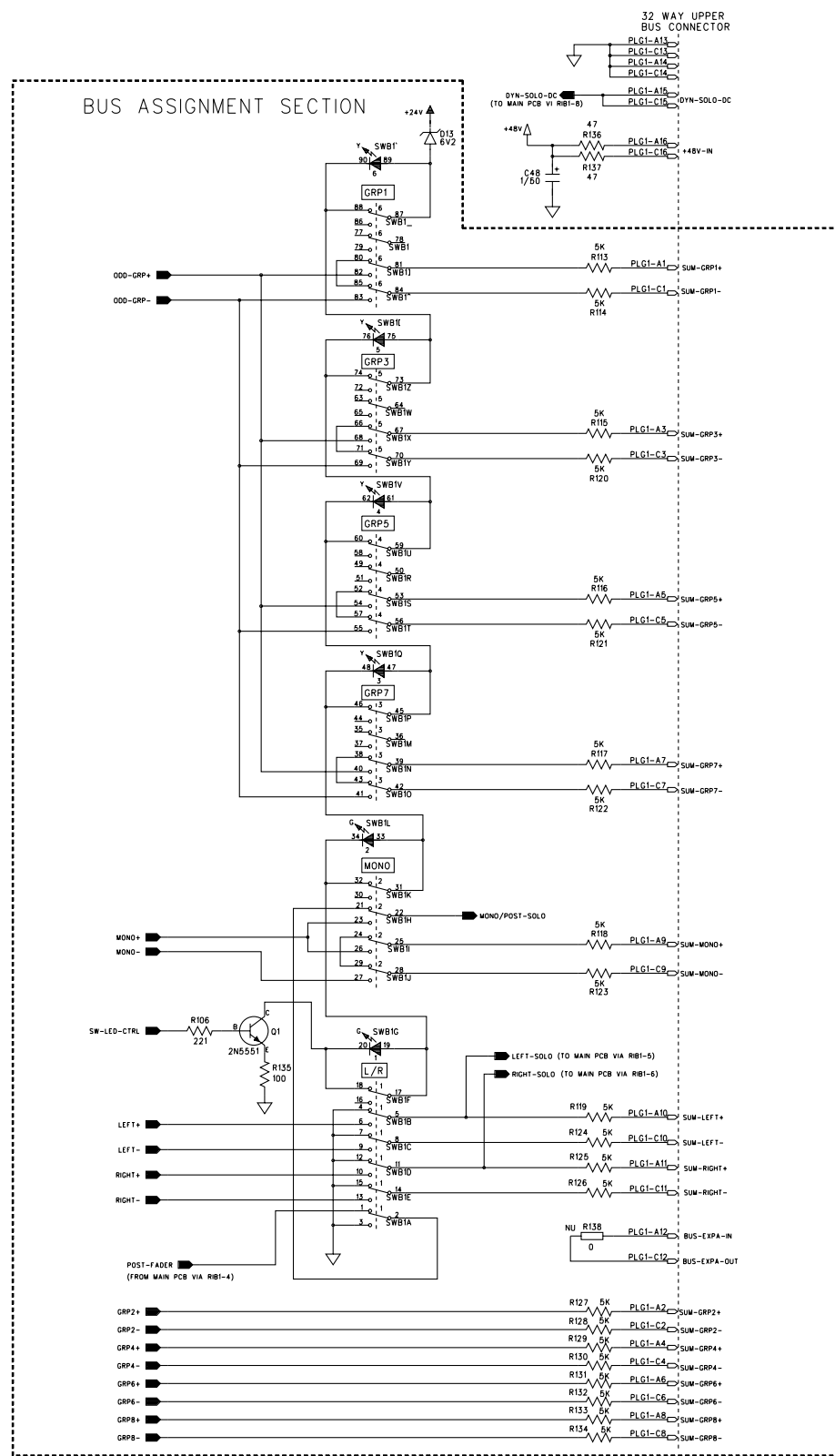
frame size = total number of modules in a console
(inputs + groups + master + etc)

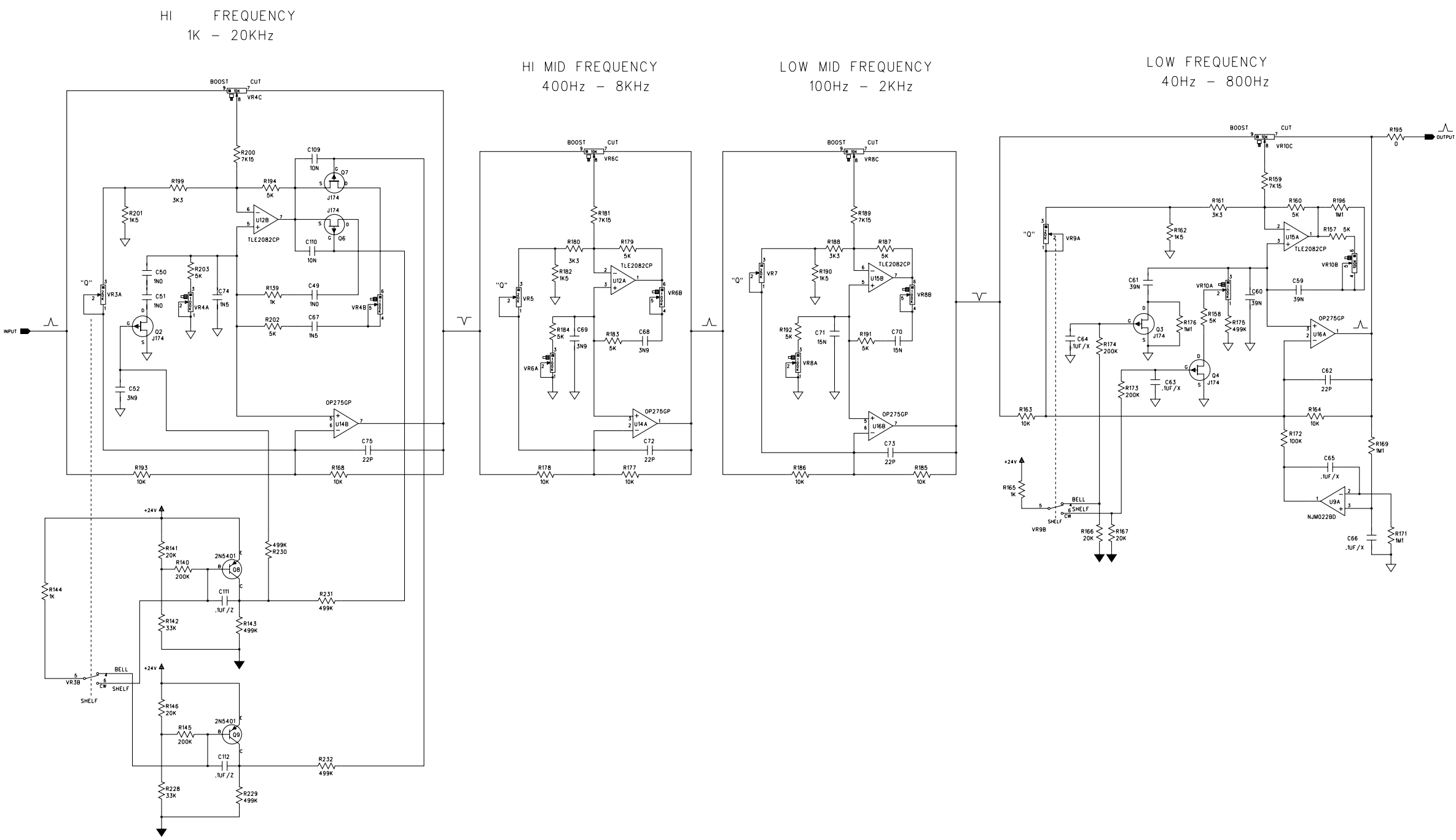


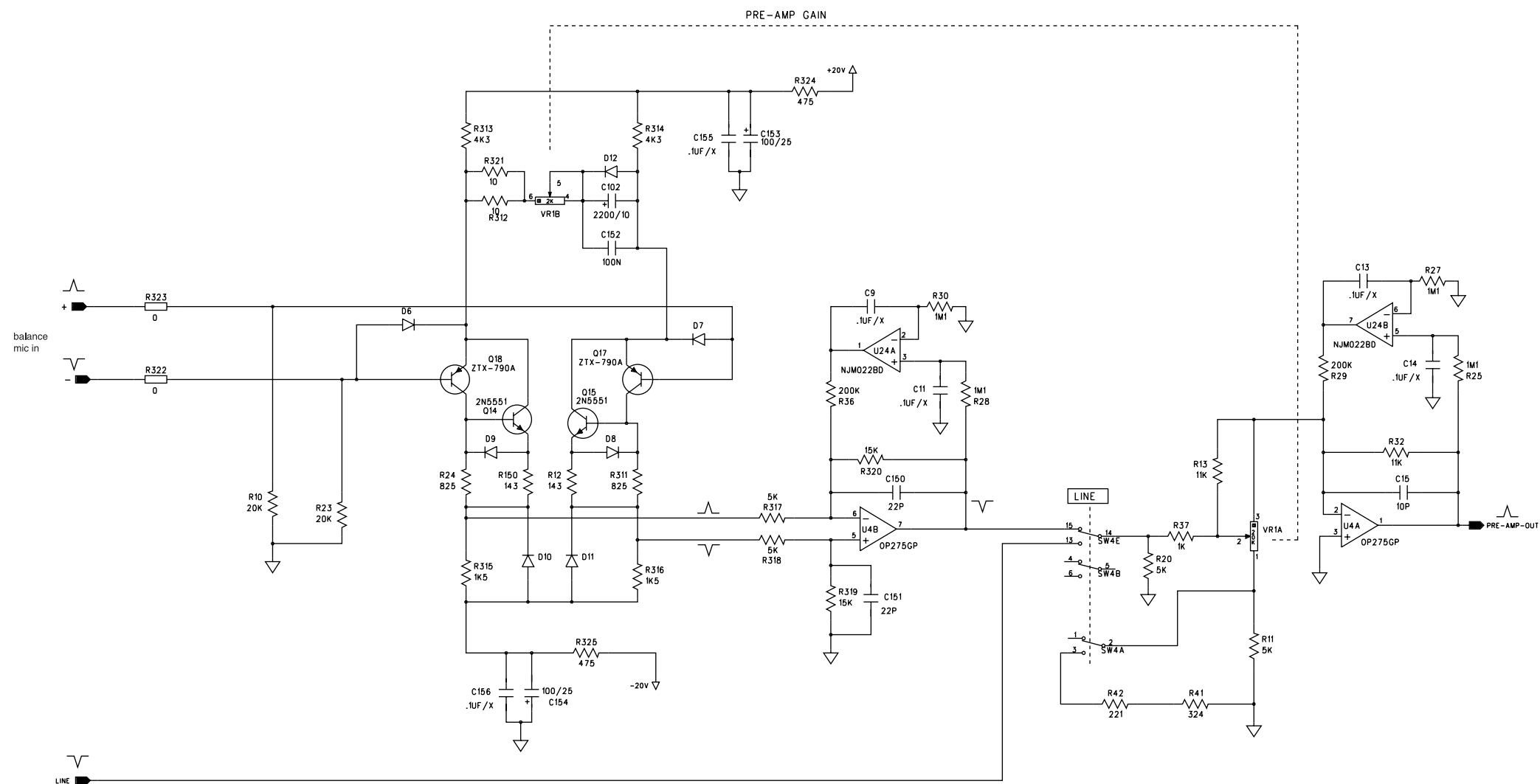
console rear-view (enlarged)

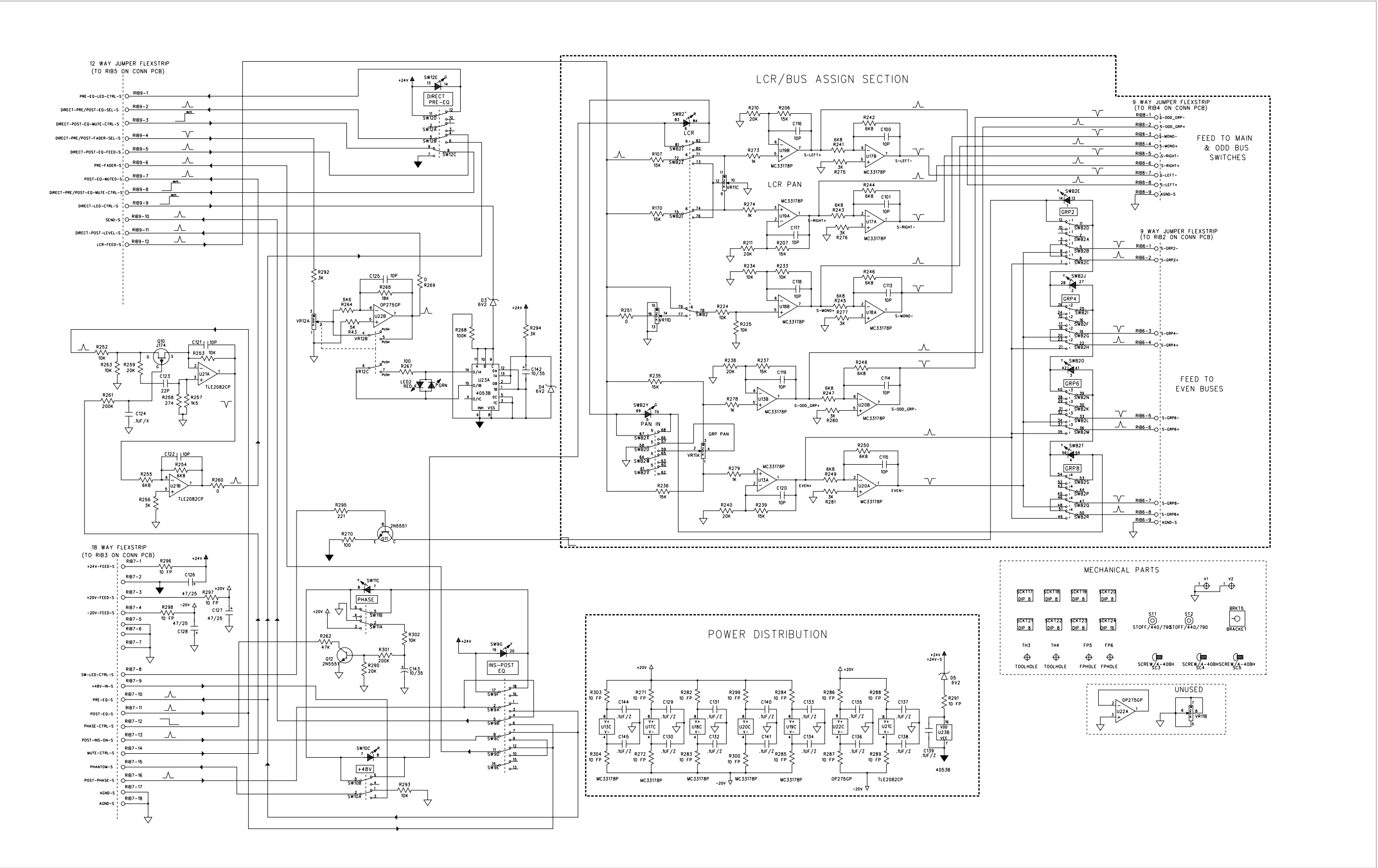


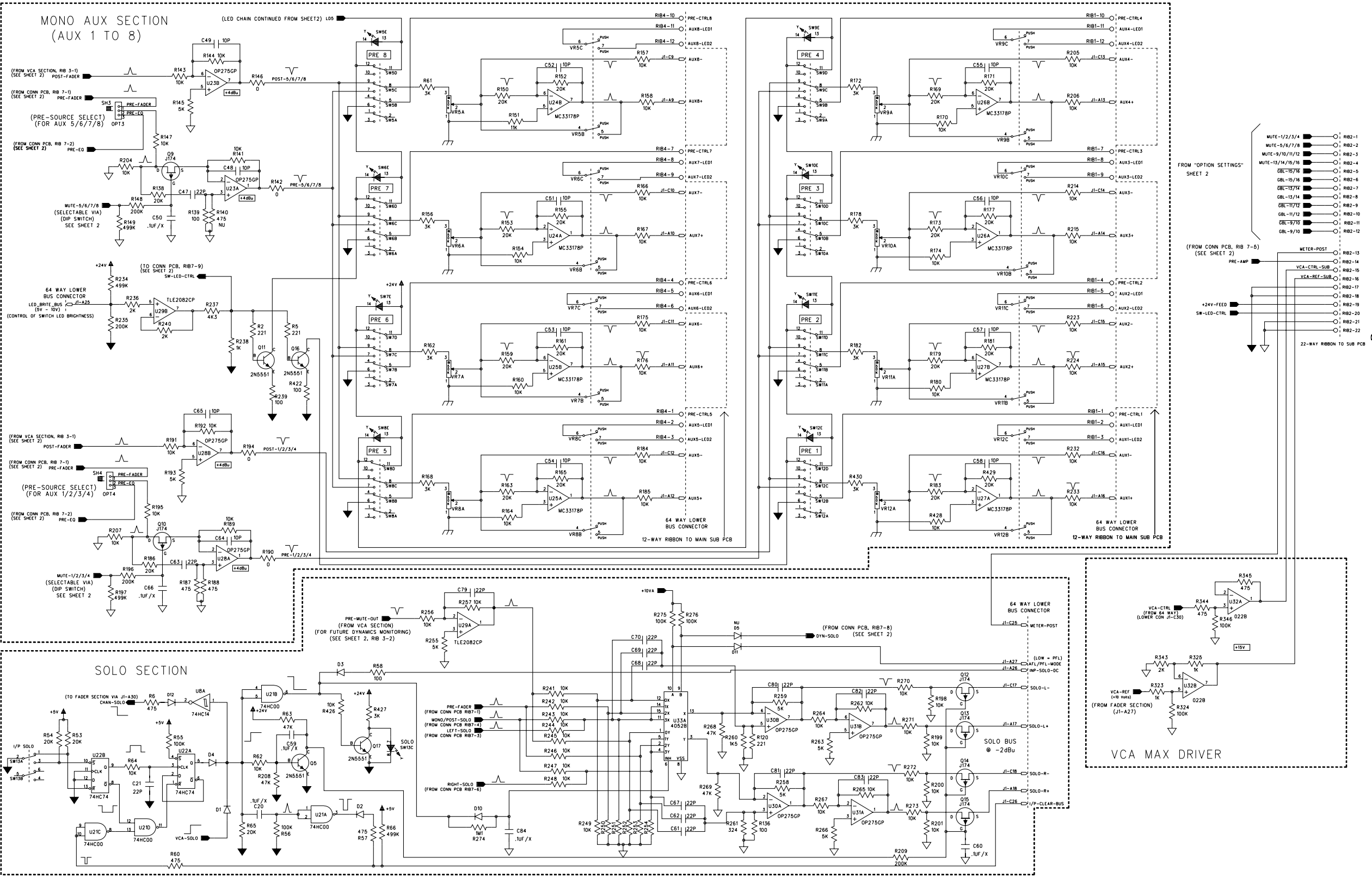


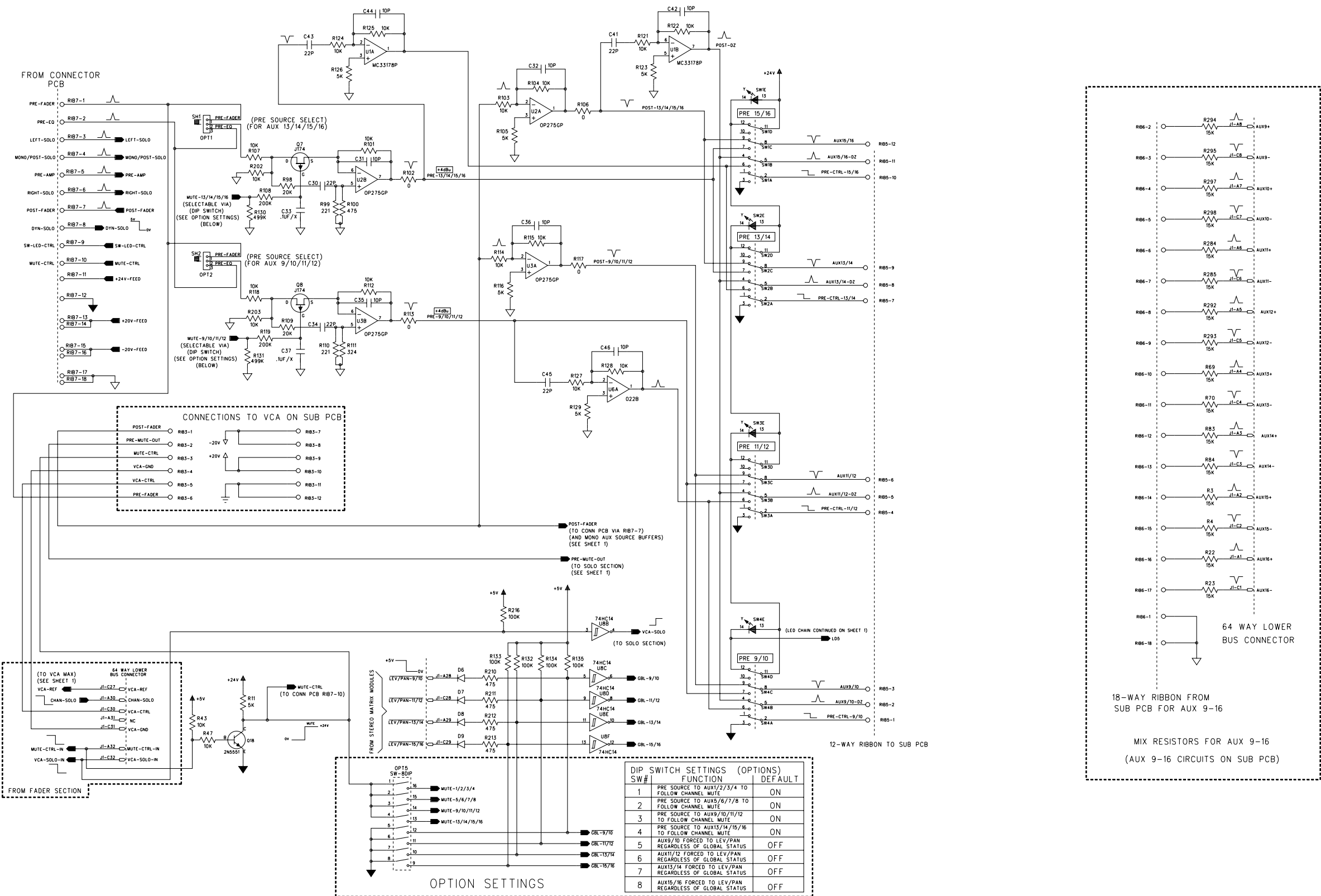


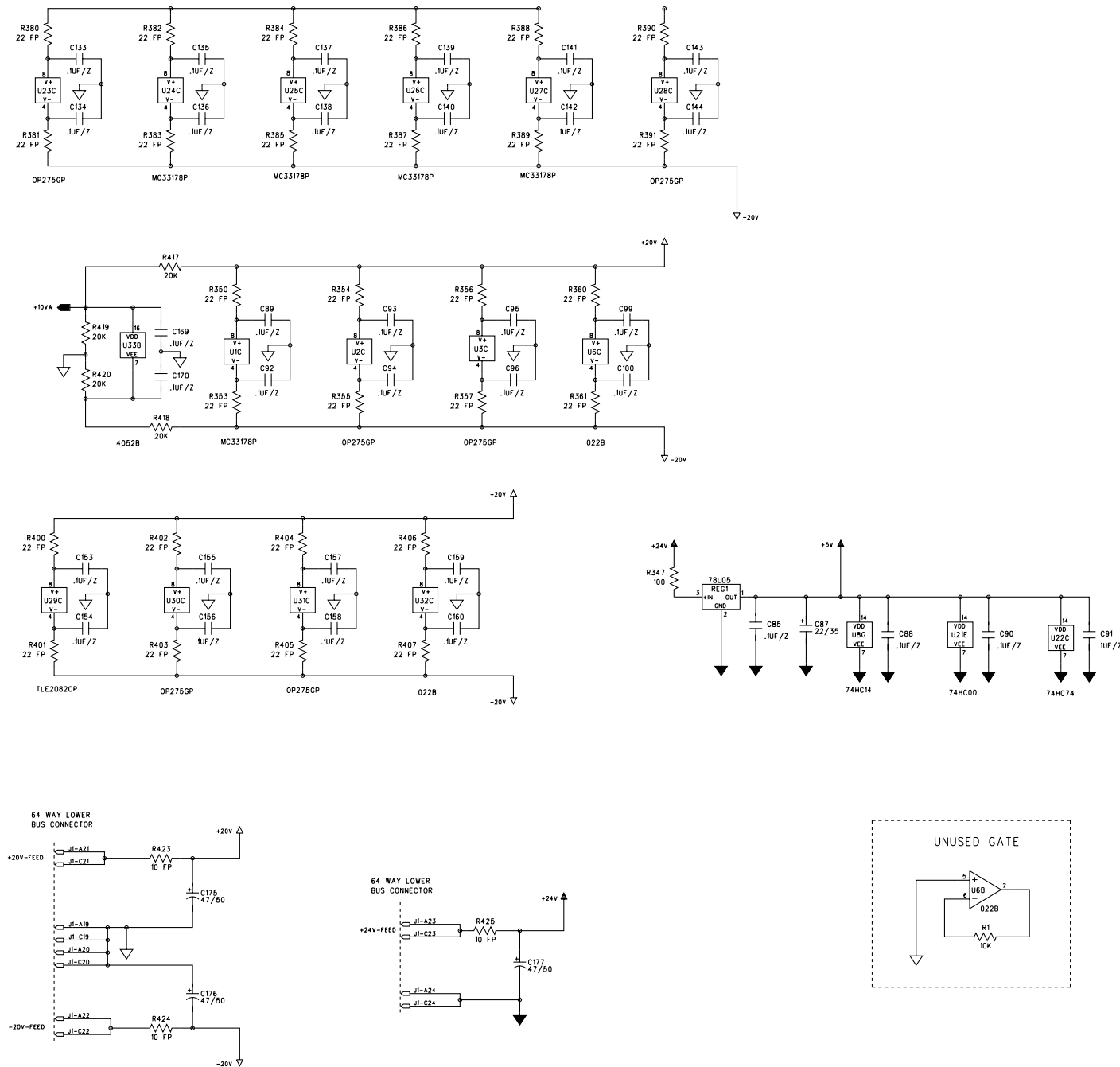




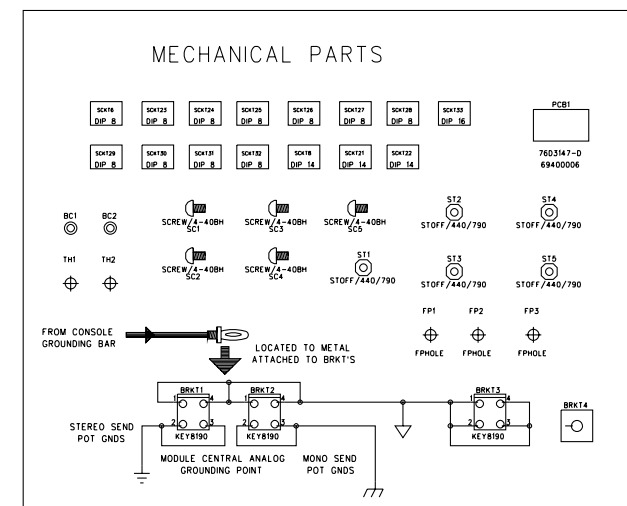


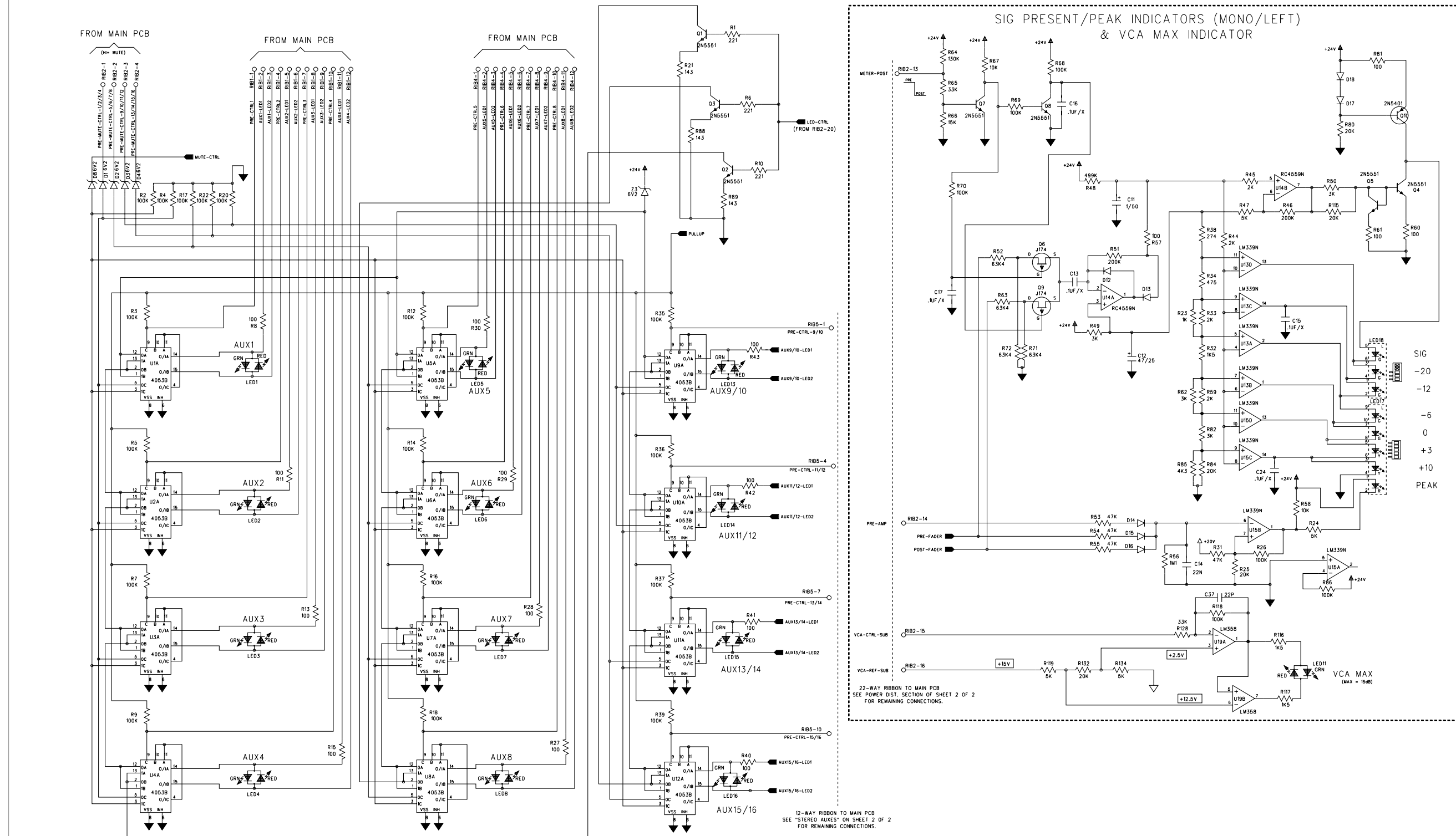


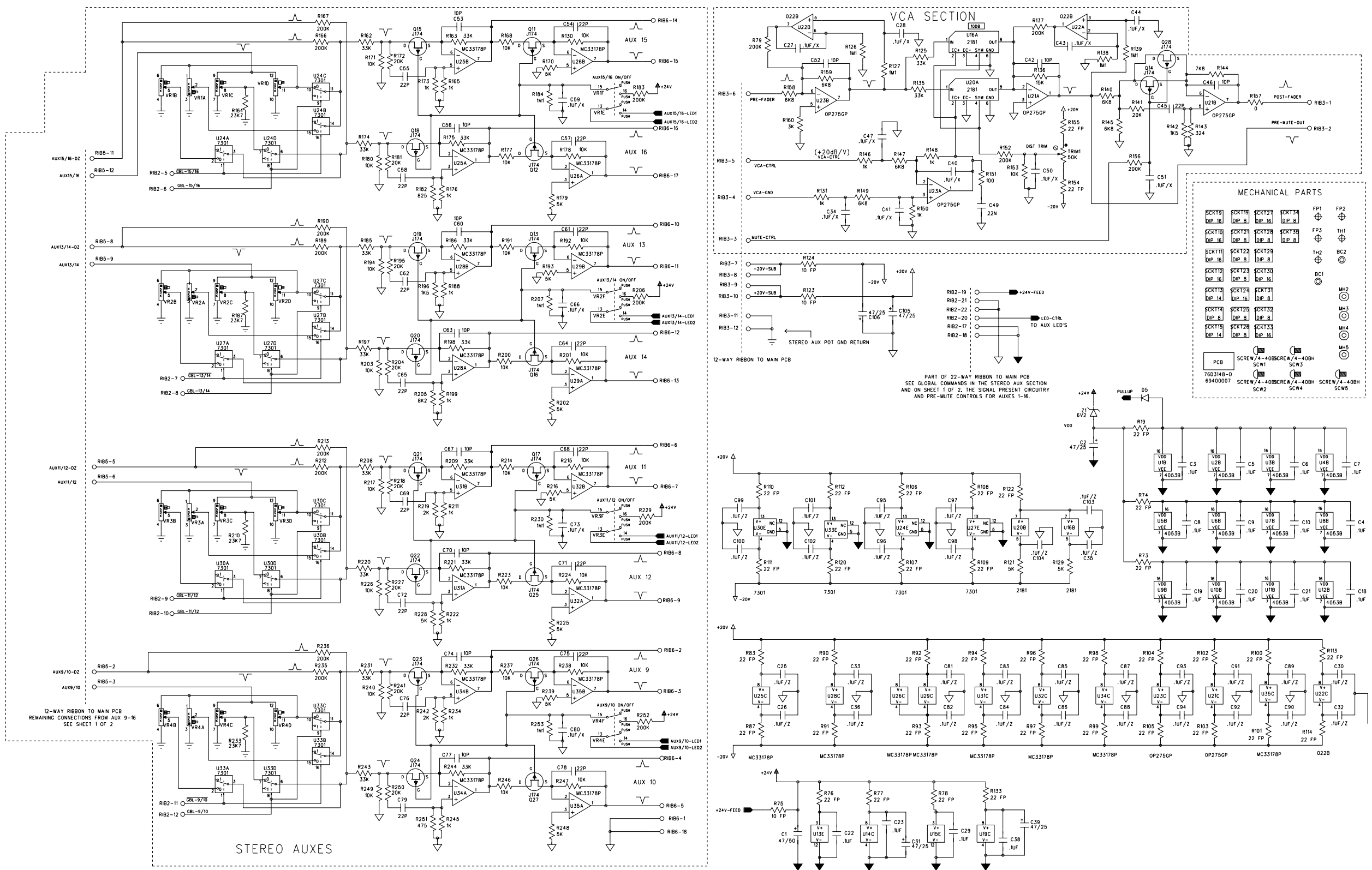


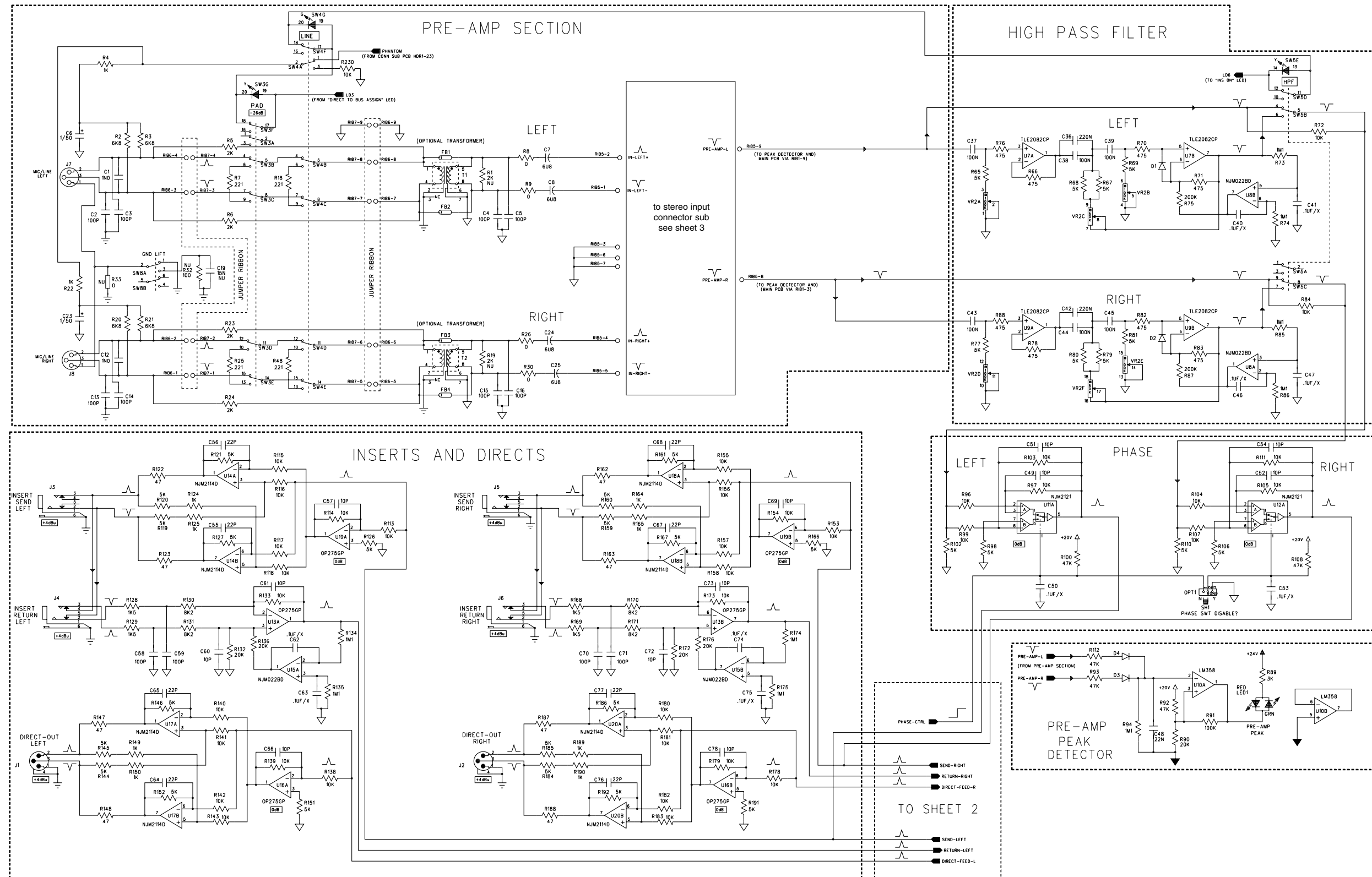


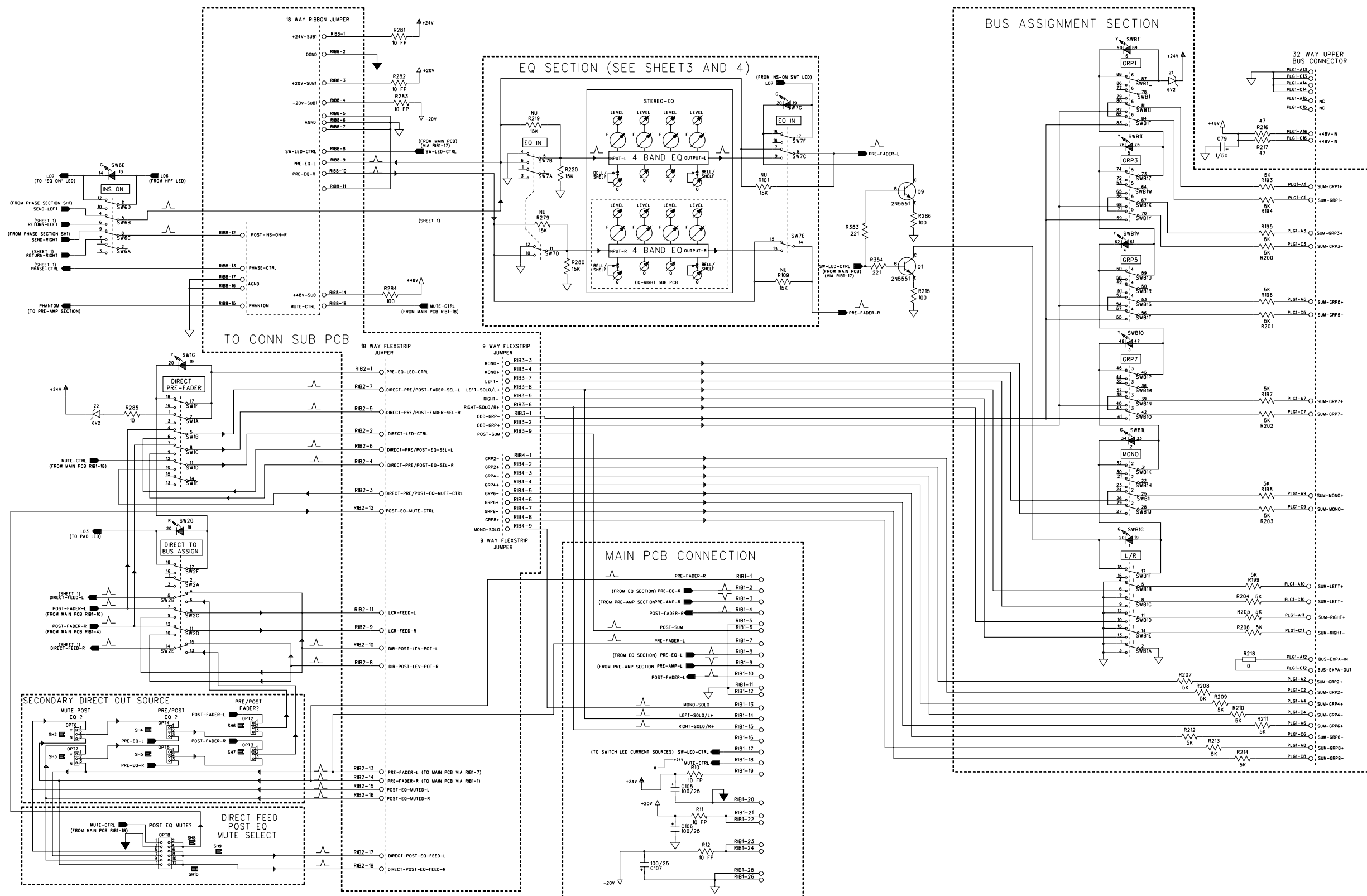
DCO/ECO #	CHANGE DESCRIPTION	PARTS CHANGED	ENGINEER
dc0775	AUX 5/6/7/8 PRE AUX MUTE TRIM SOLO CROSSTALK TRIM	R140 FROM 475R TO NU R139 FROM 221R TO 100R0 R260 FROM 4K99 TO 1K50 R120 FROM 1K0 TO 221R R261 FROM 4K99 TO 324R R136 FROM 1K0 TO 100R0	TAZ

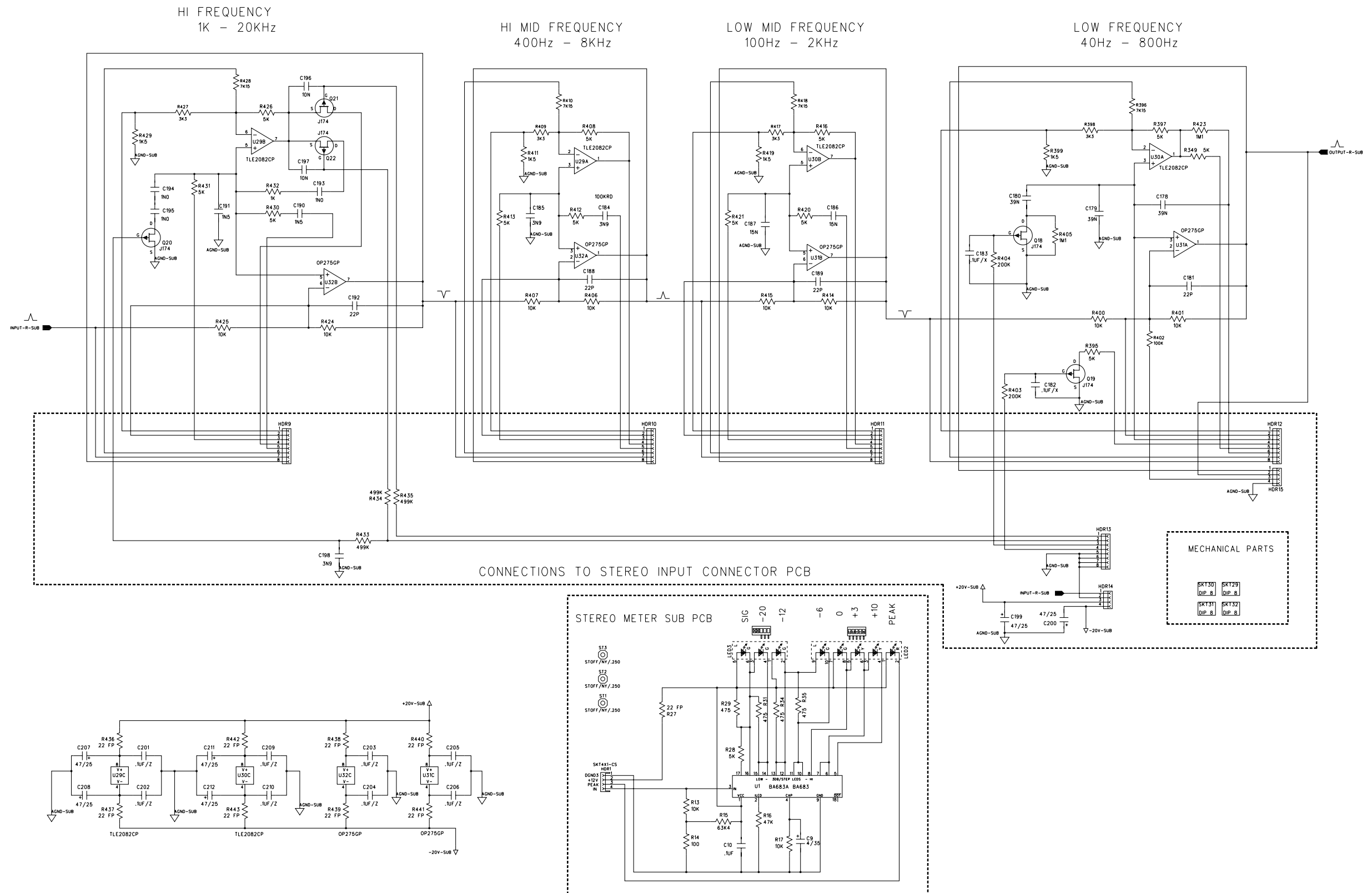


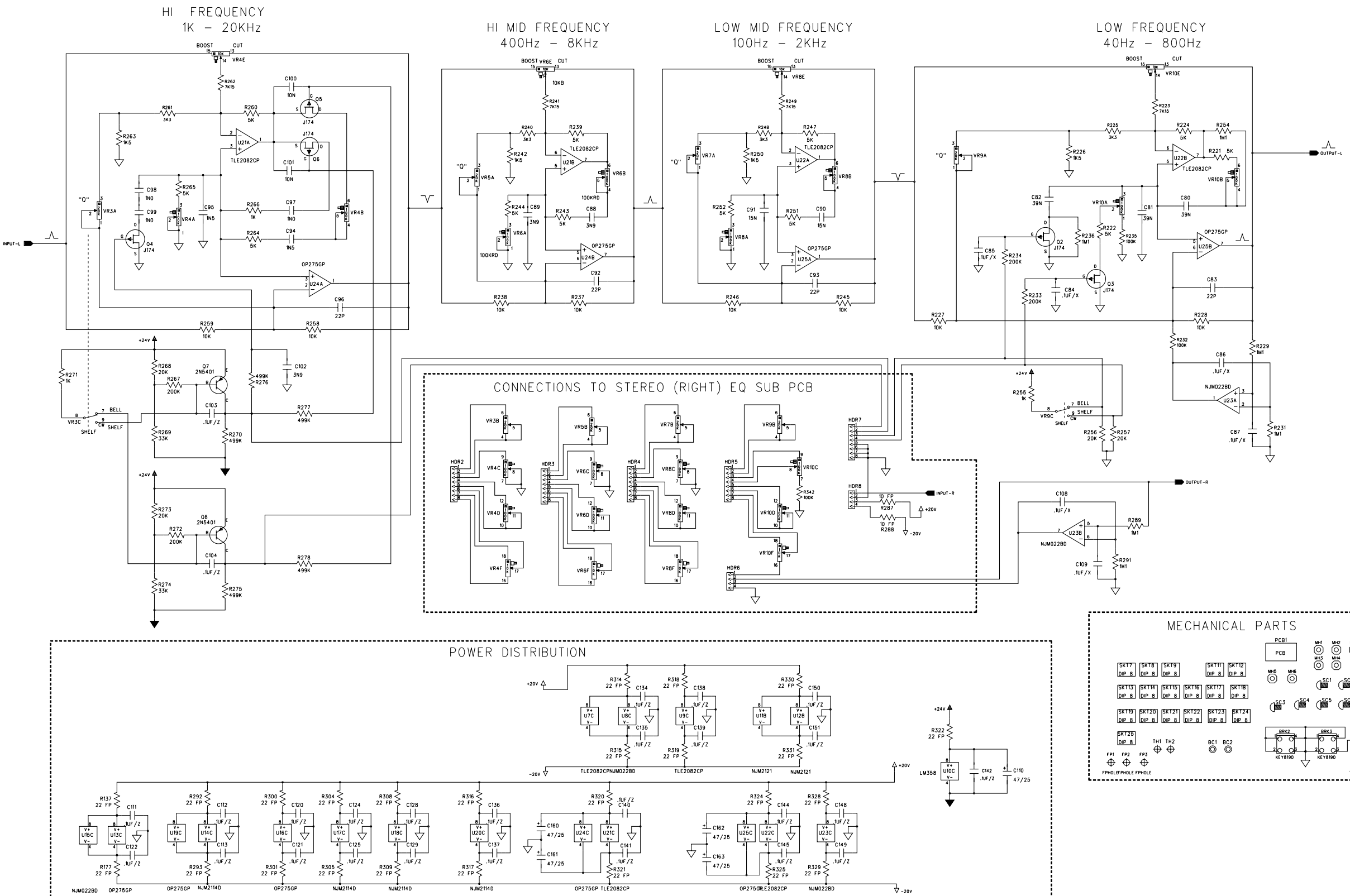


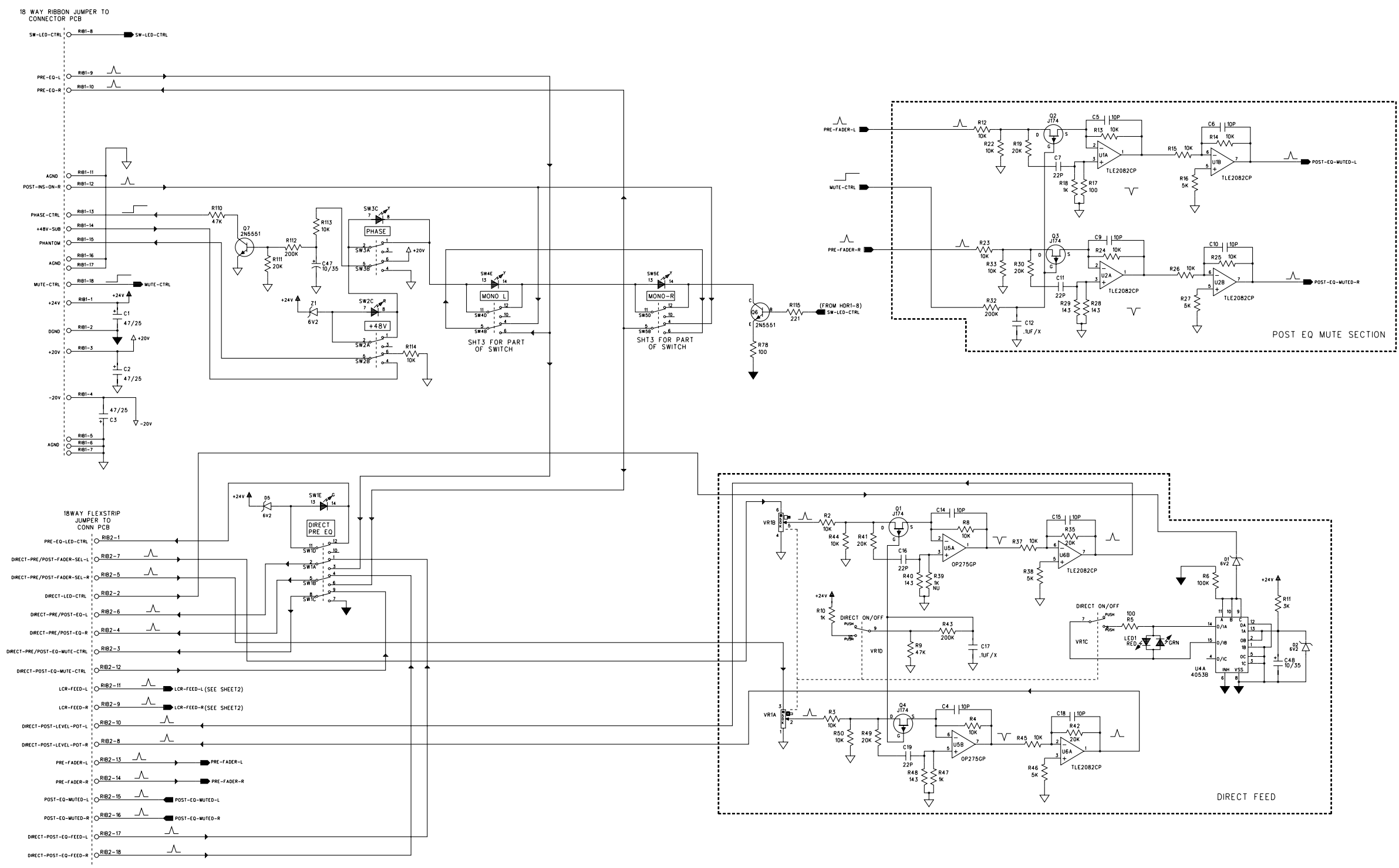


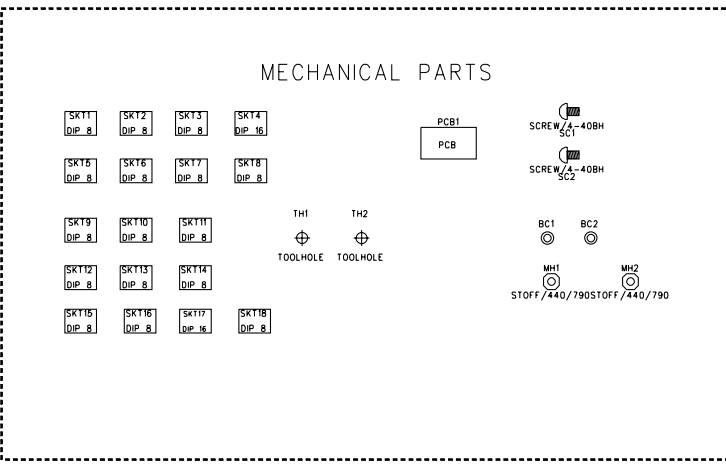
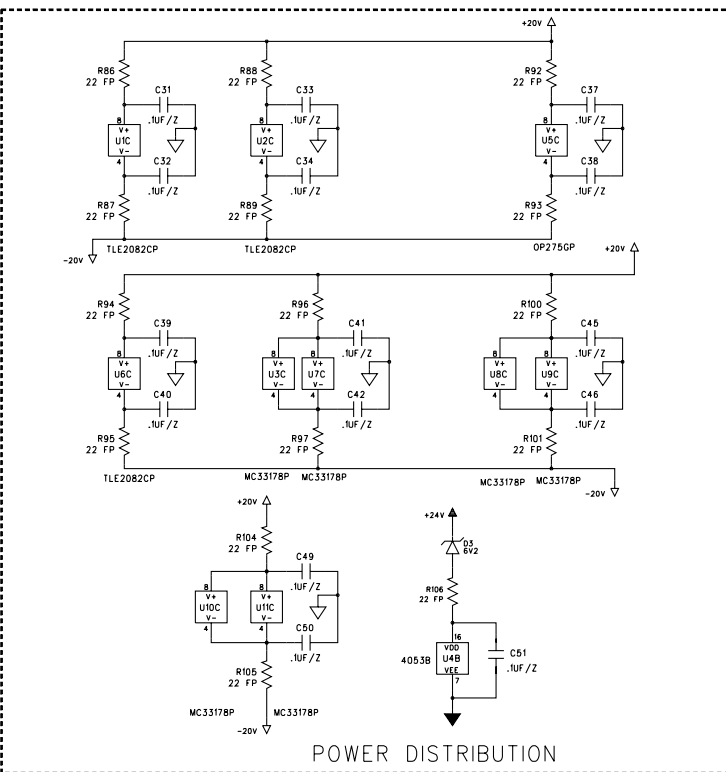
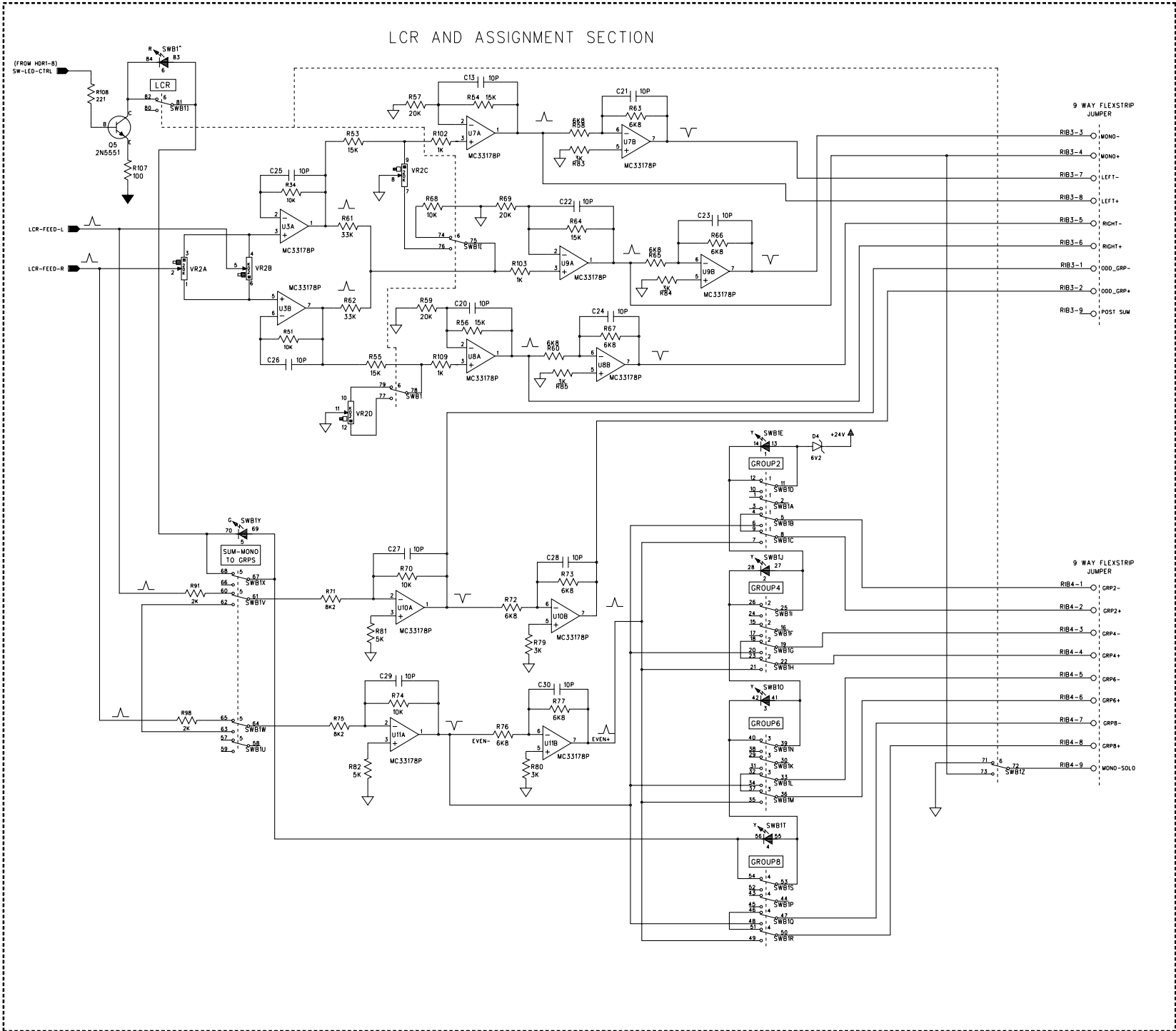


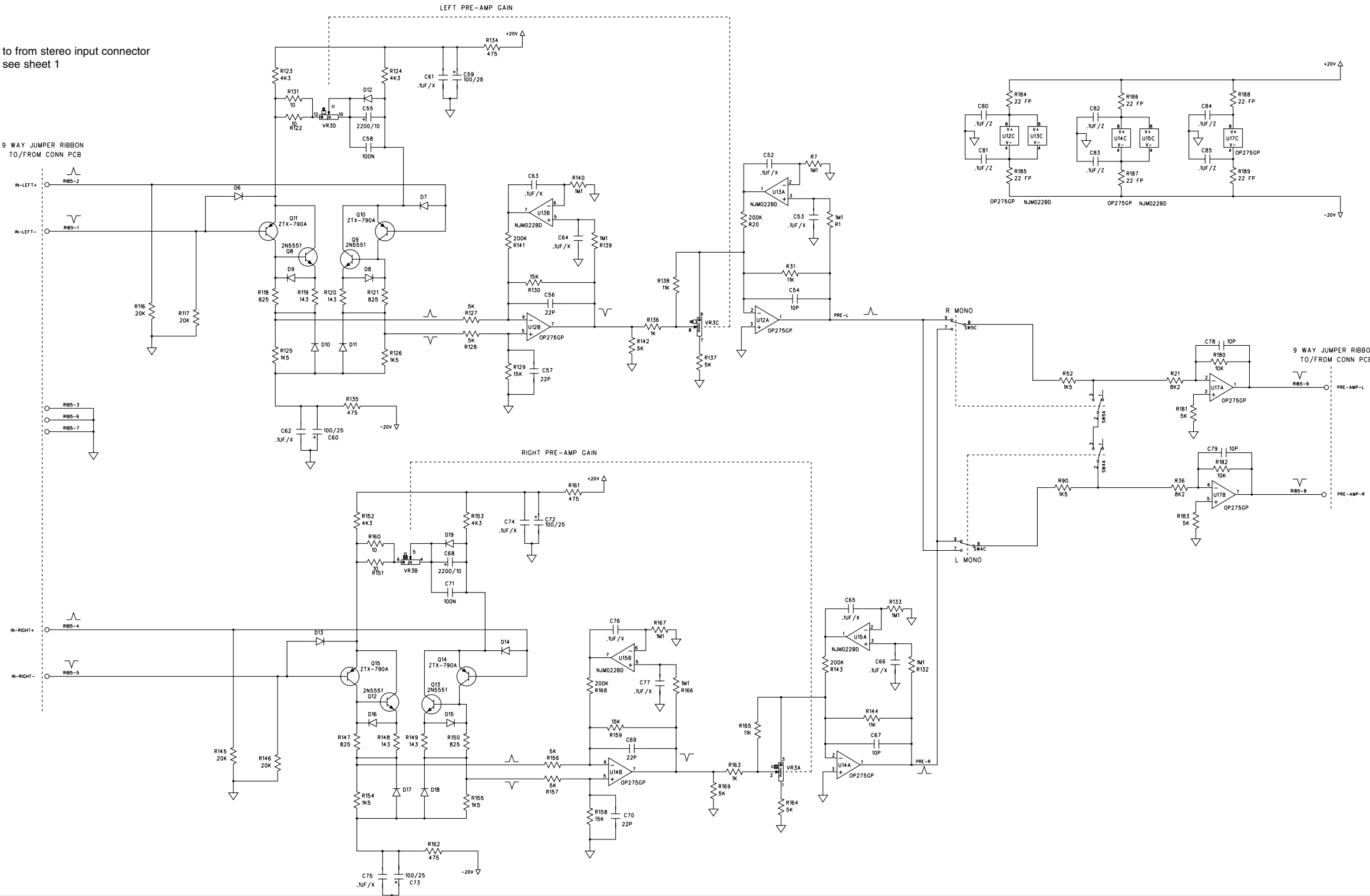


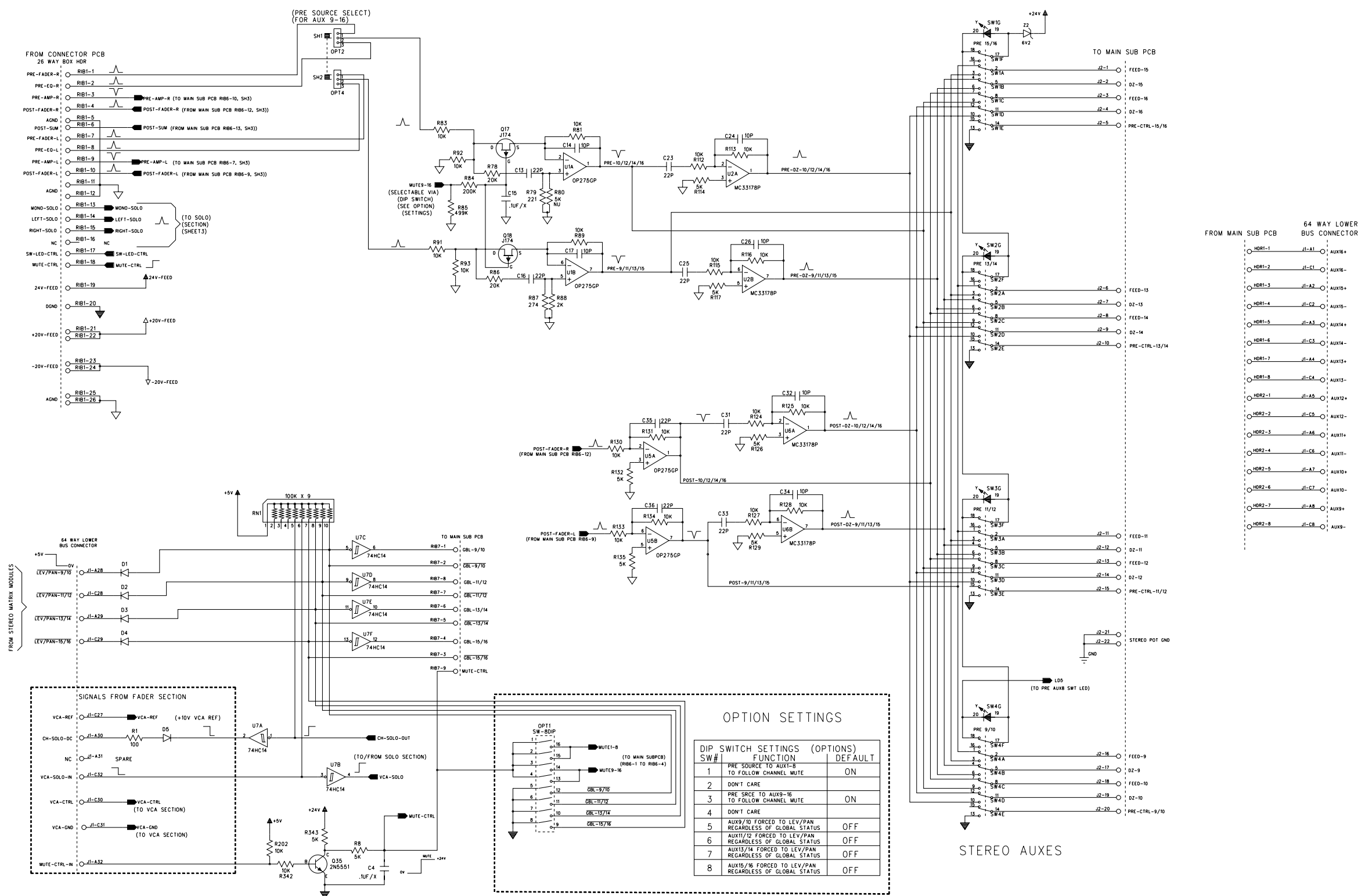


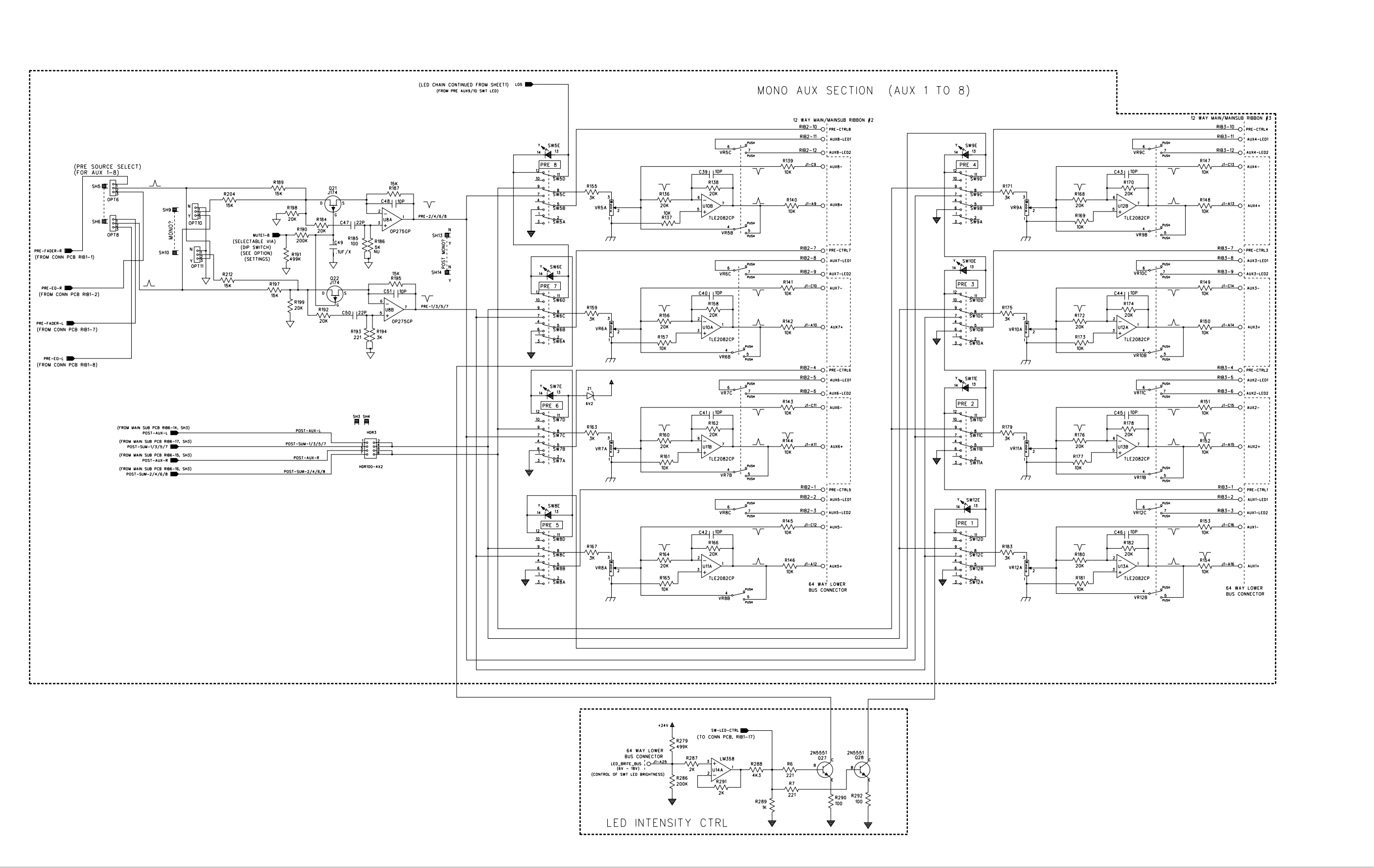


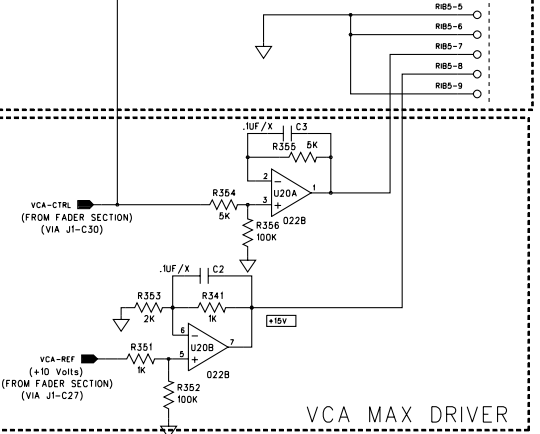
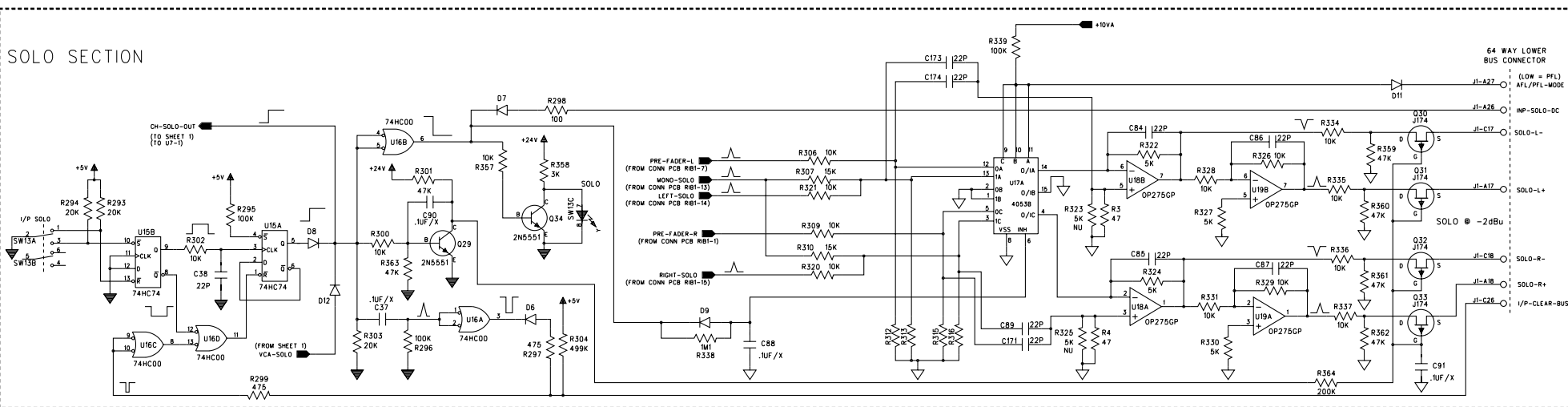
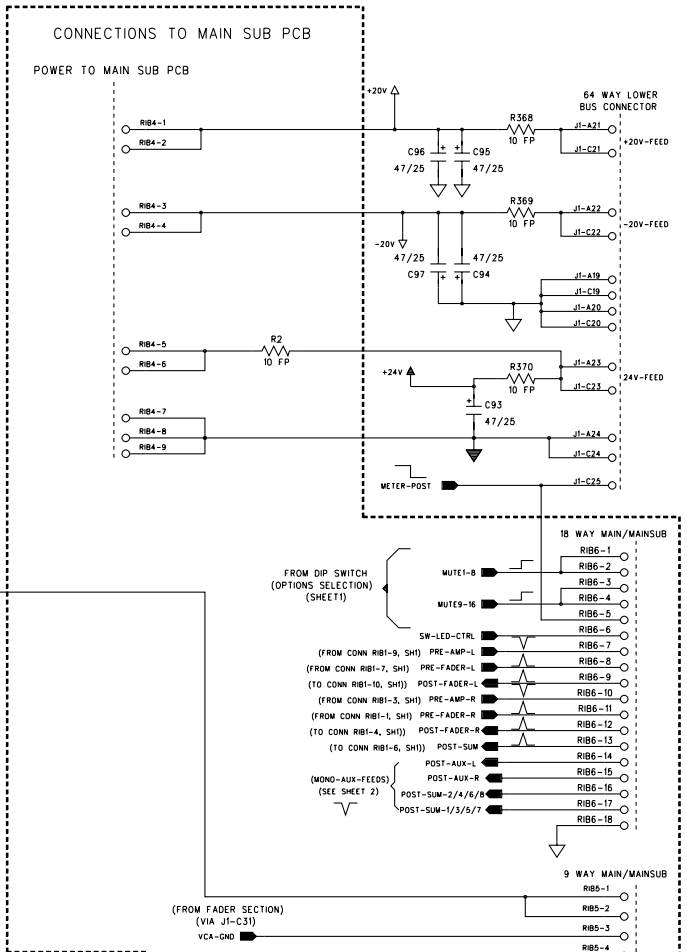
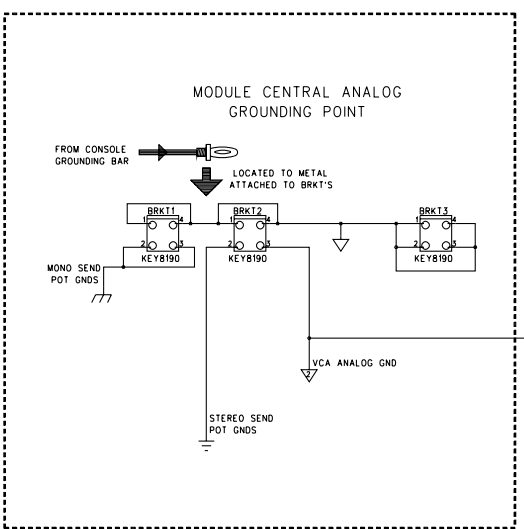
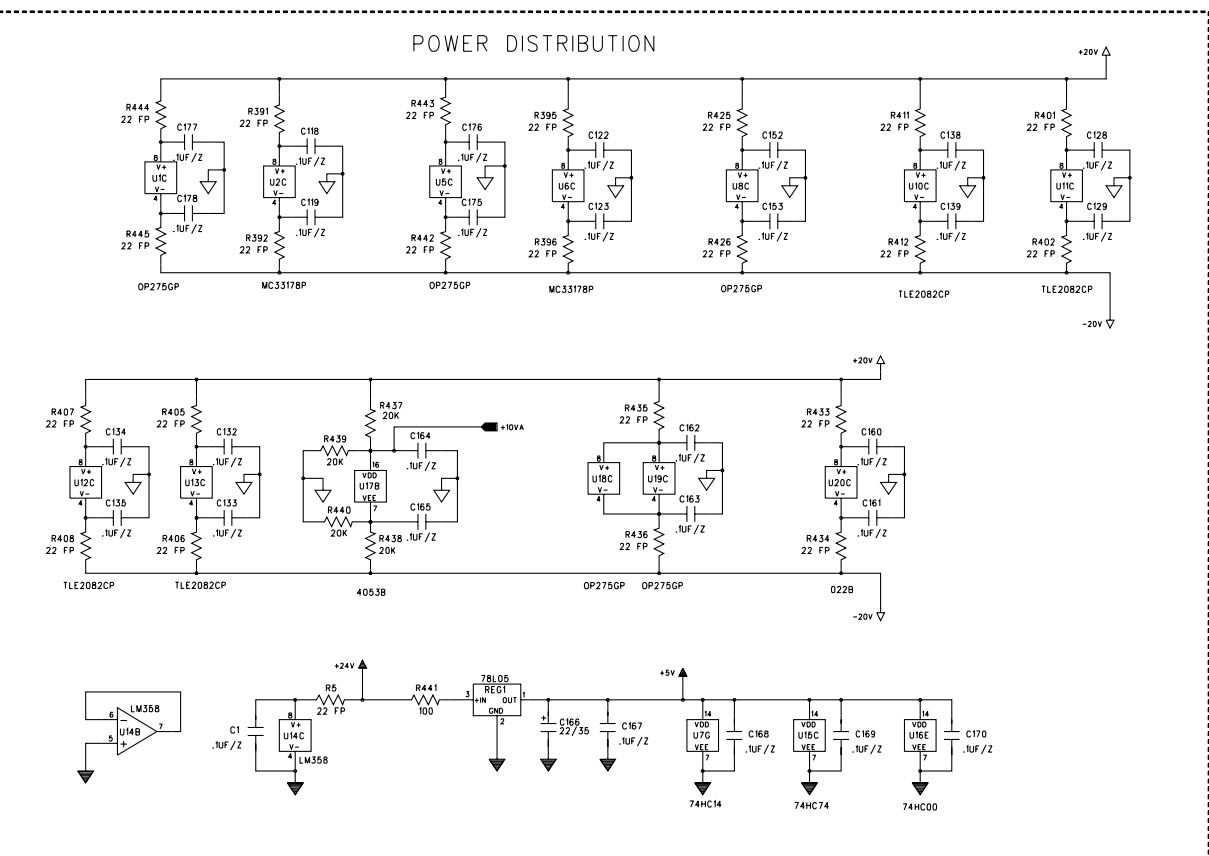


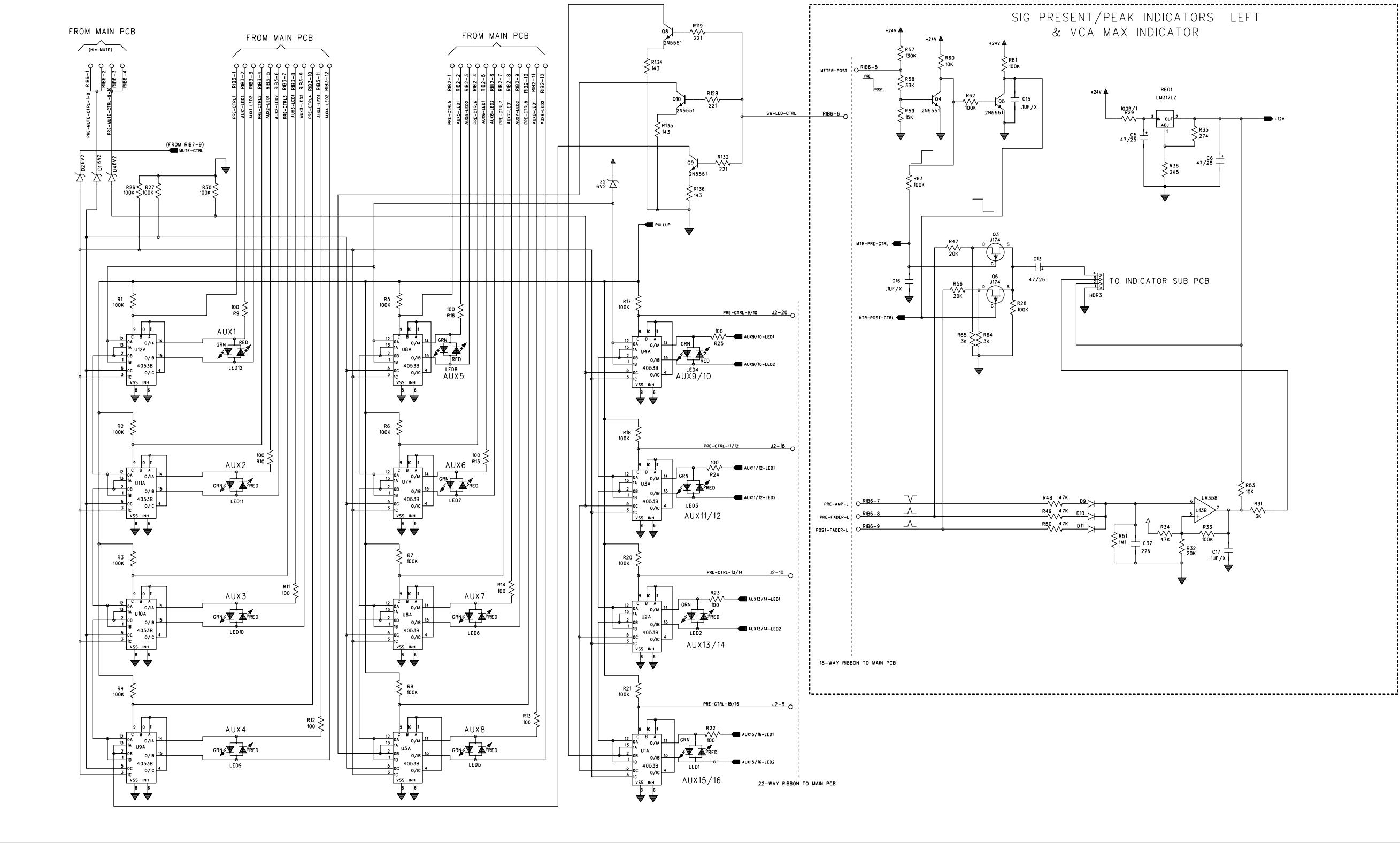


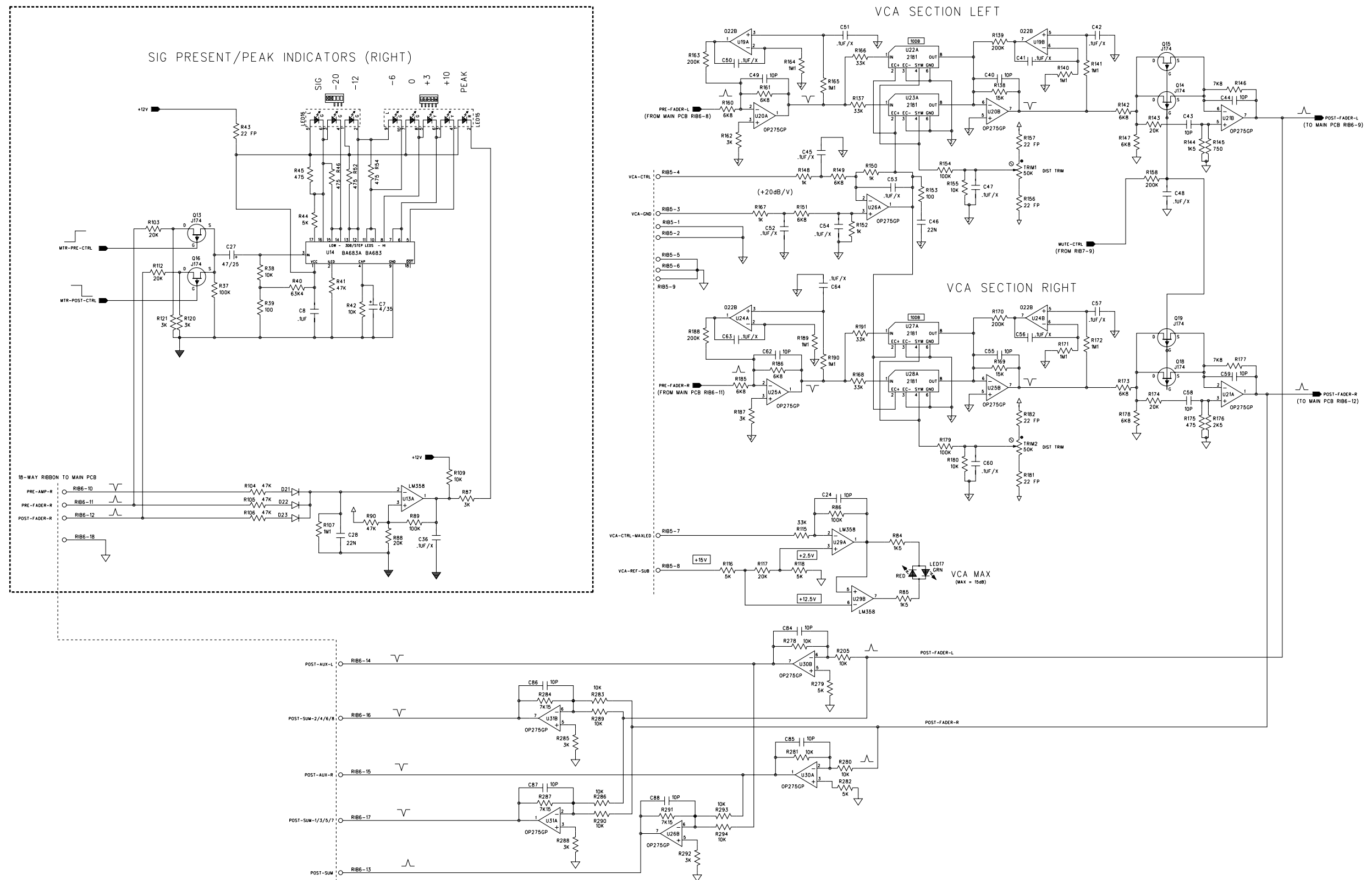


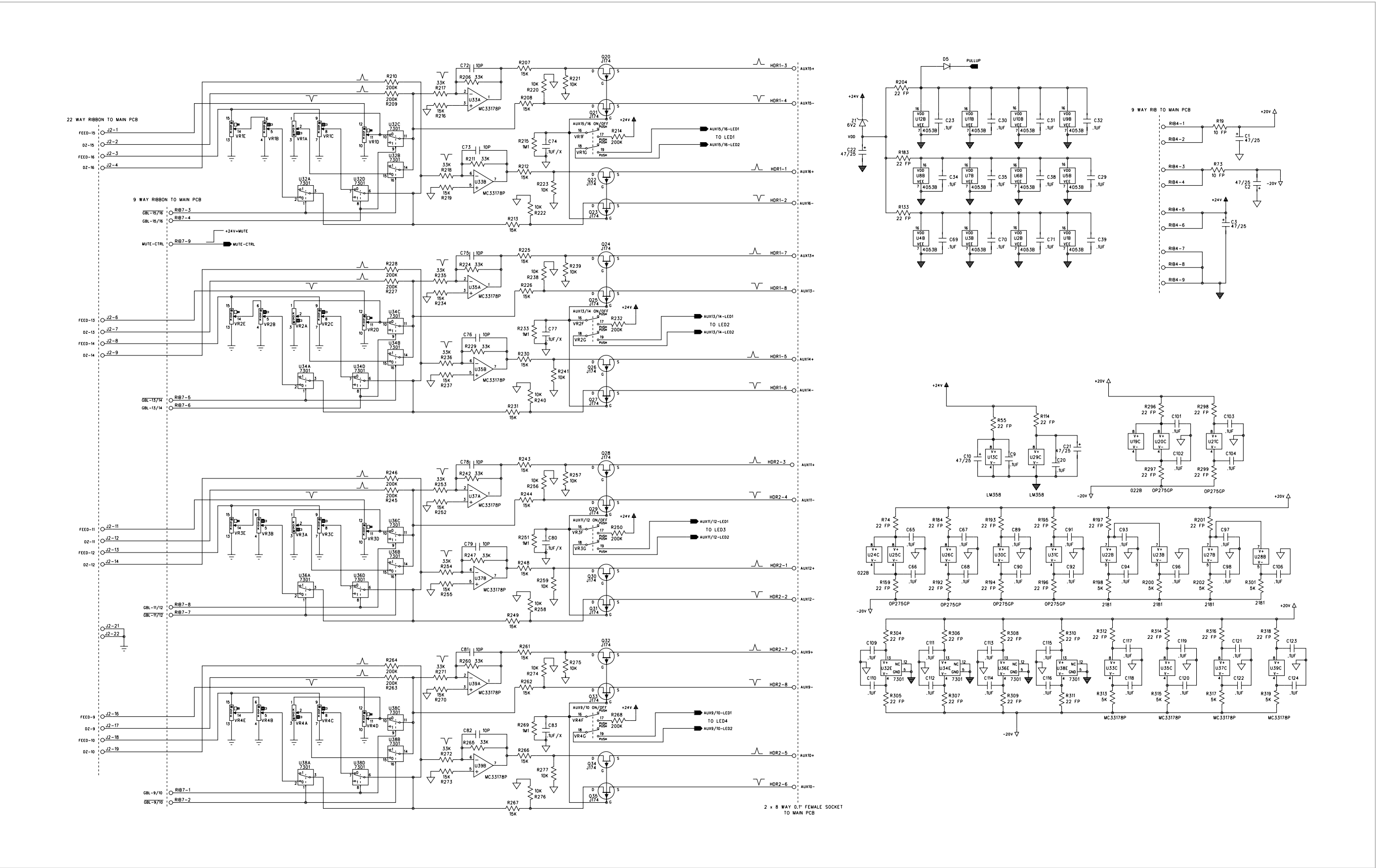


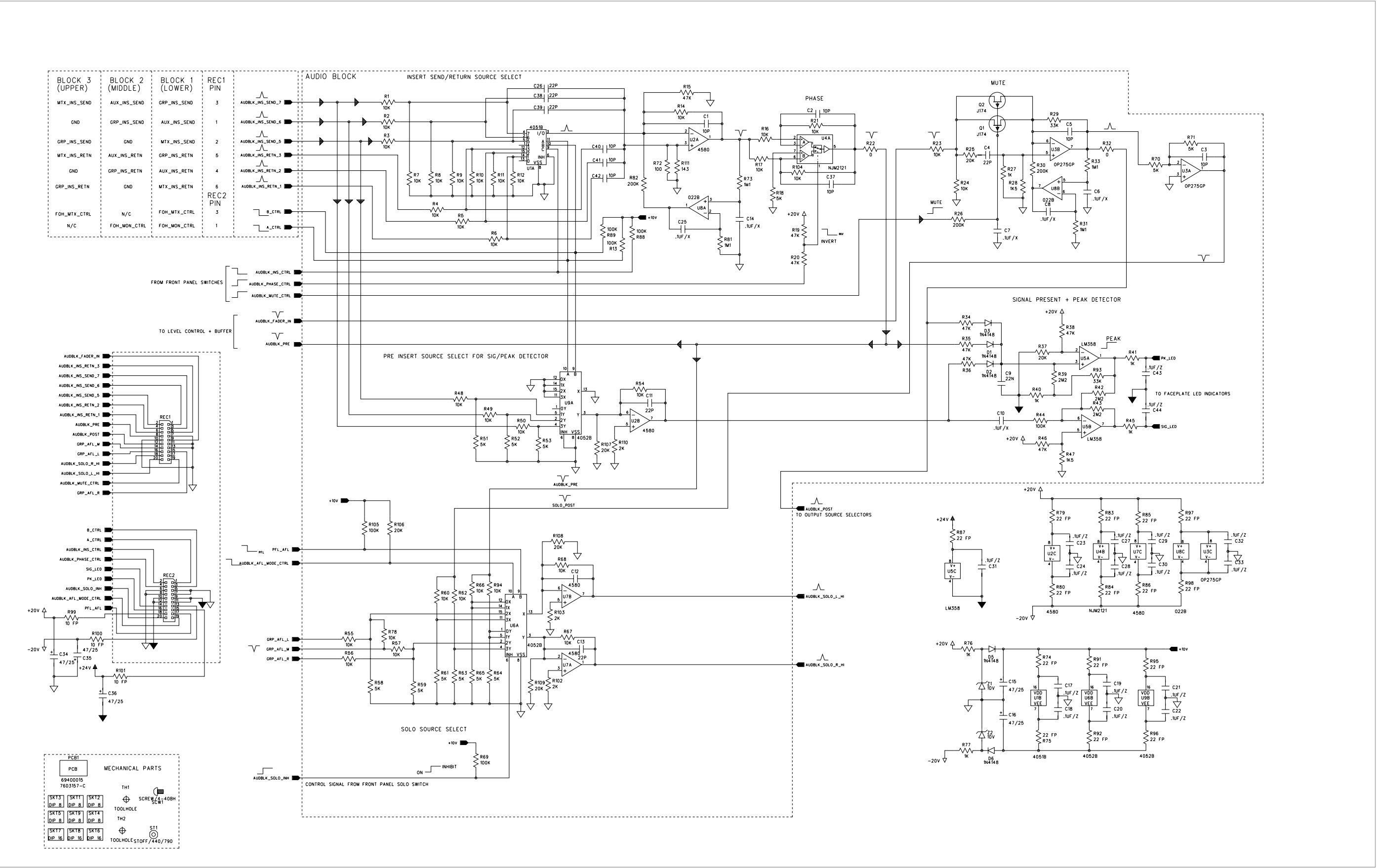


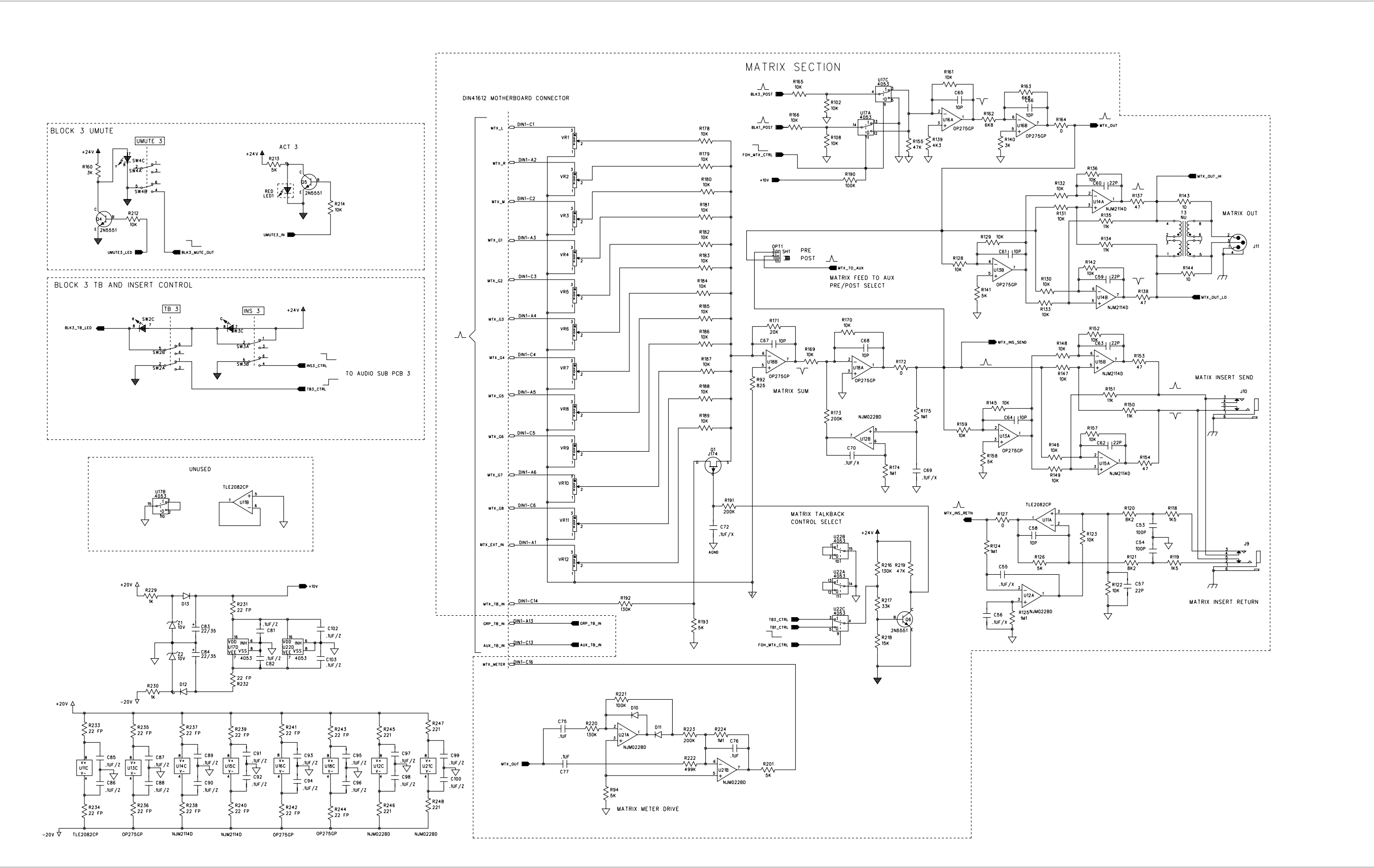


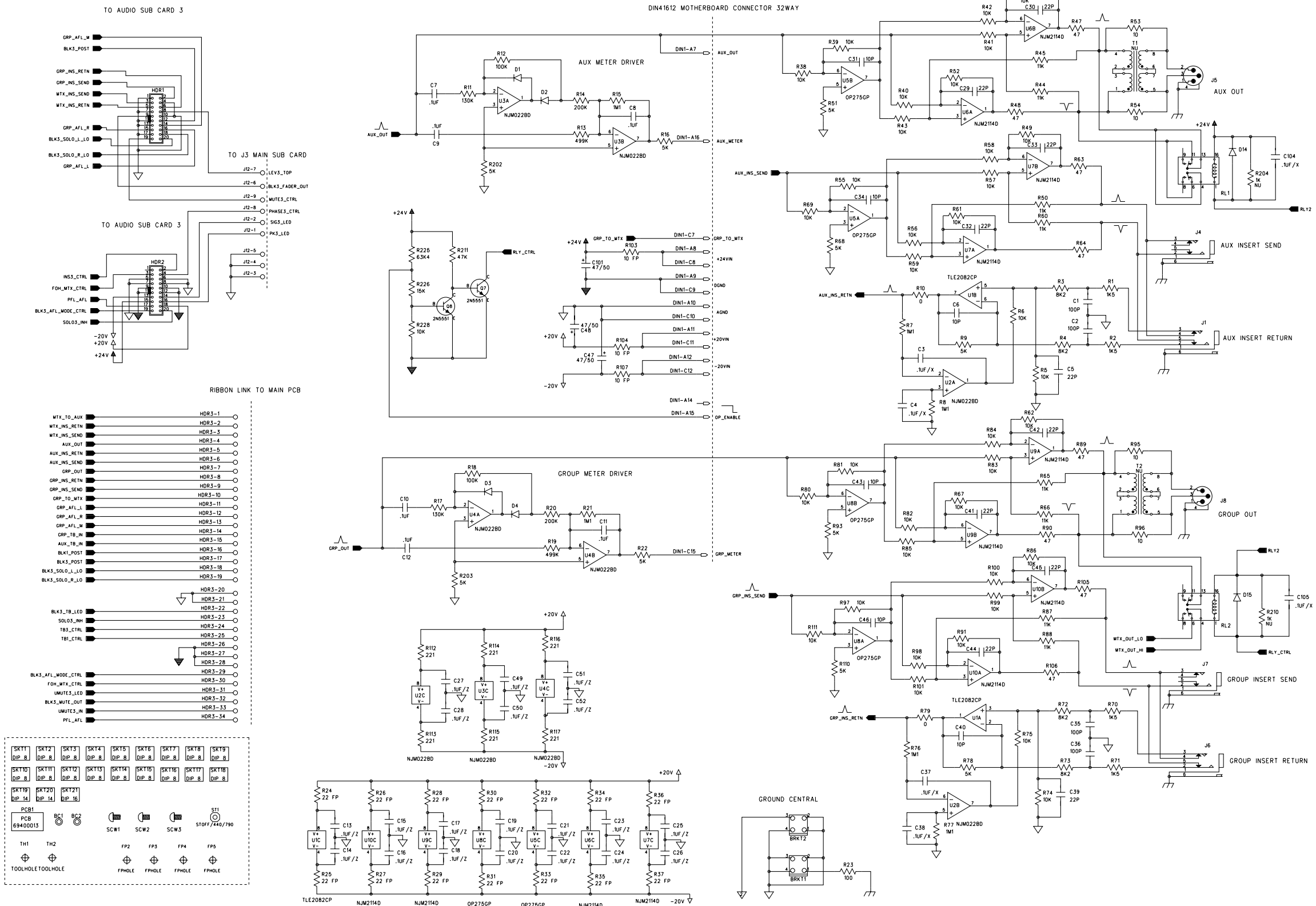


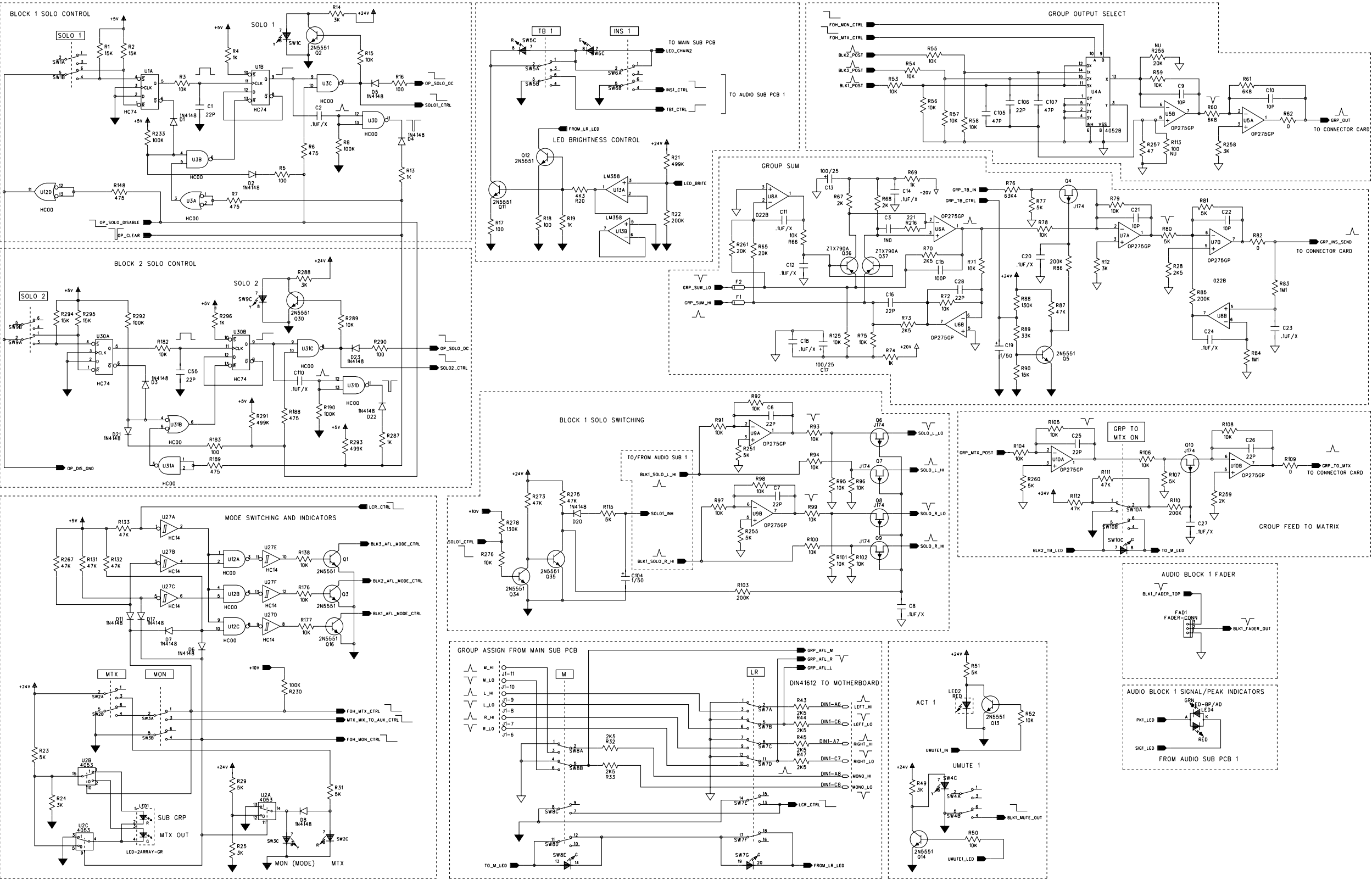


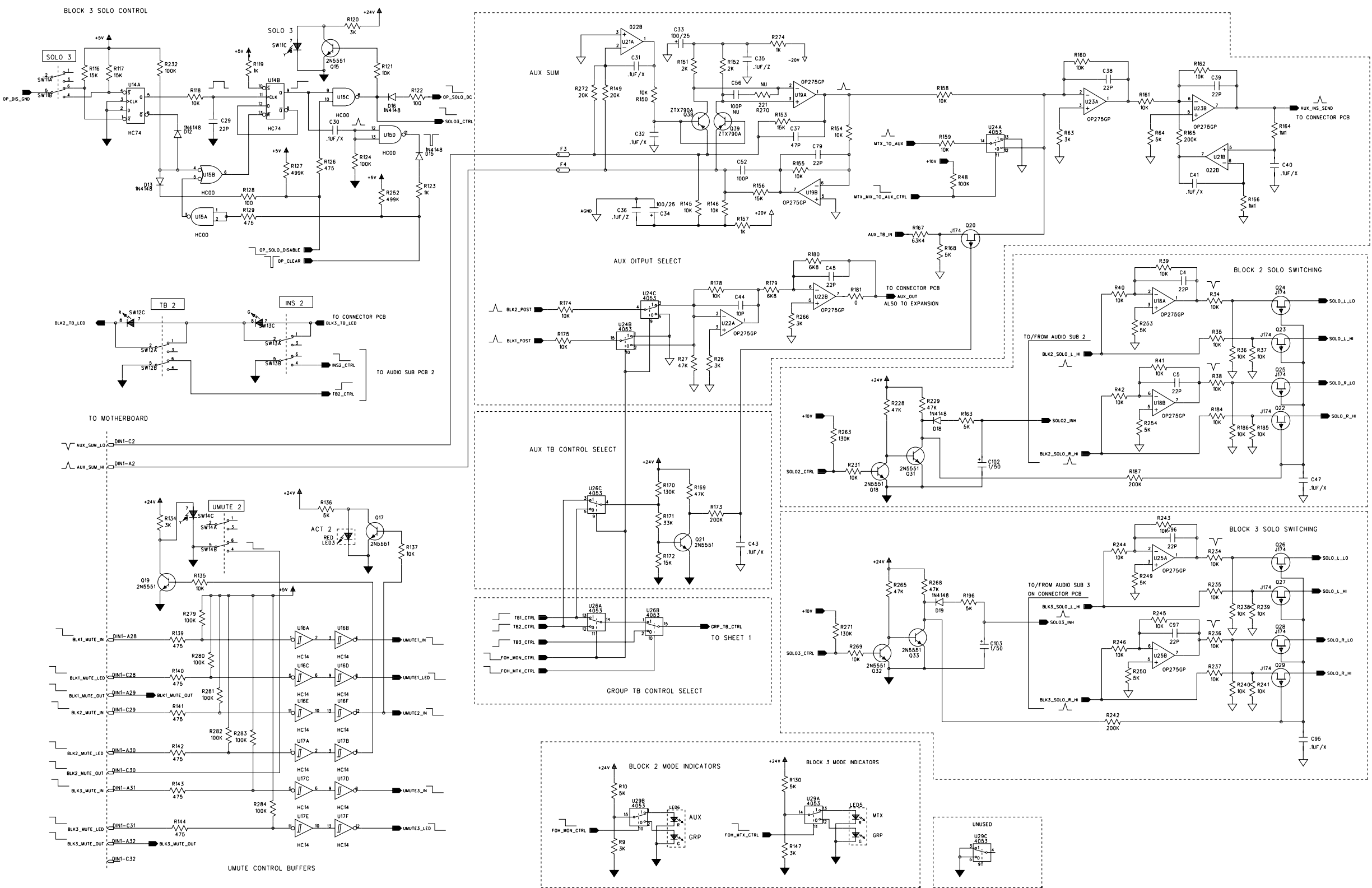


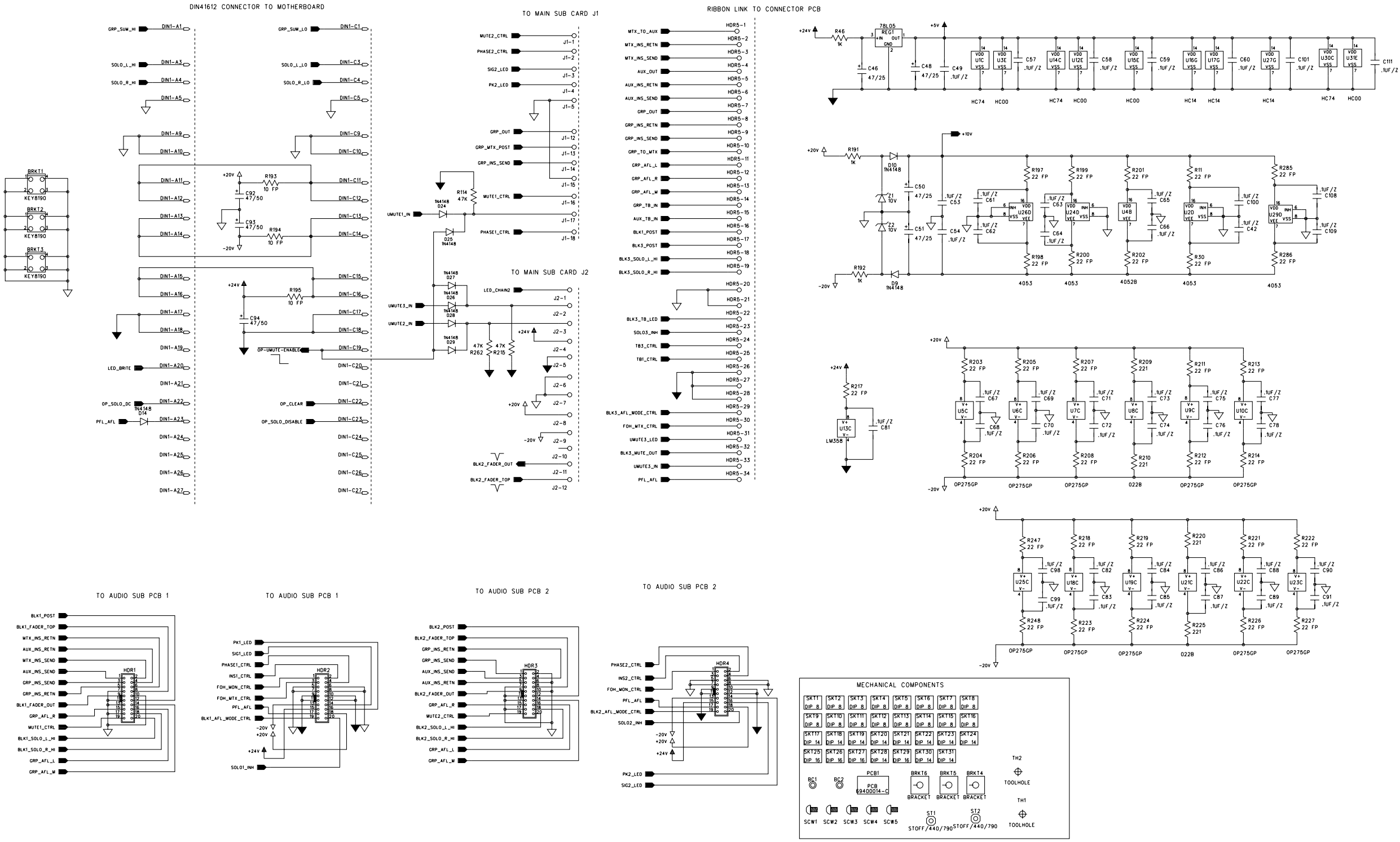


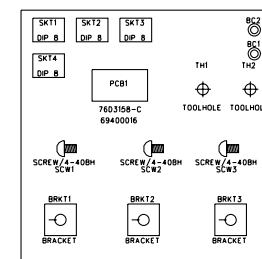
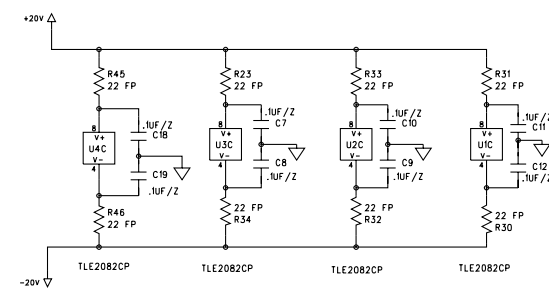
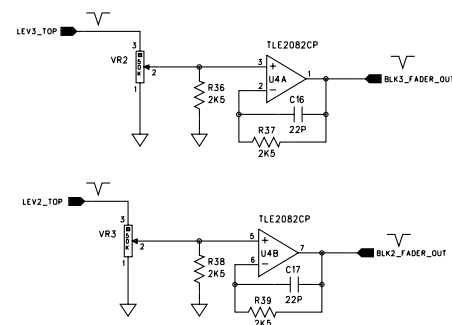
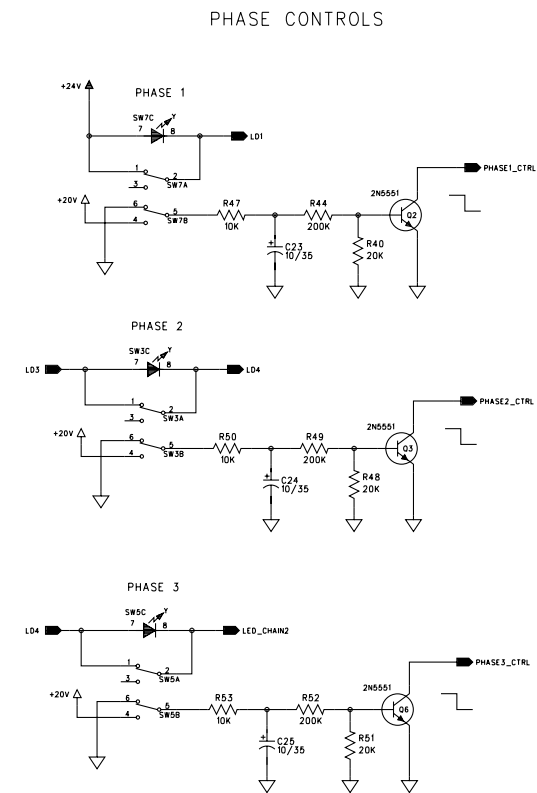
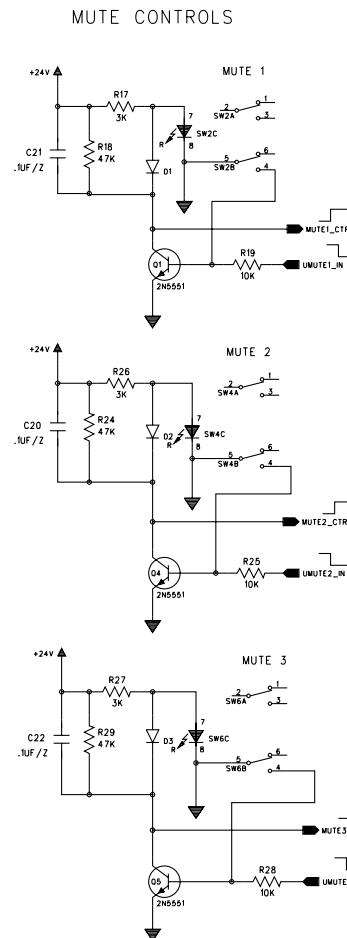
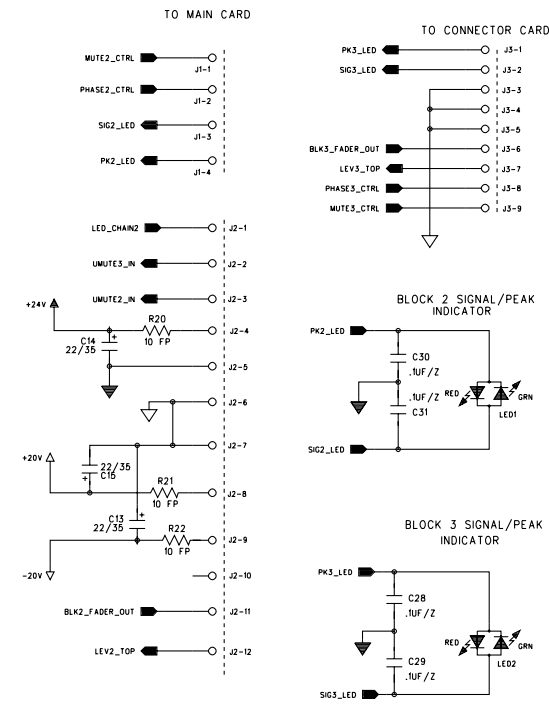
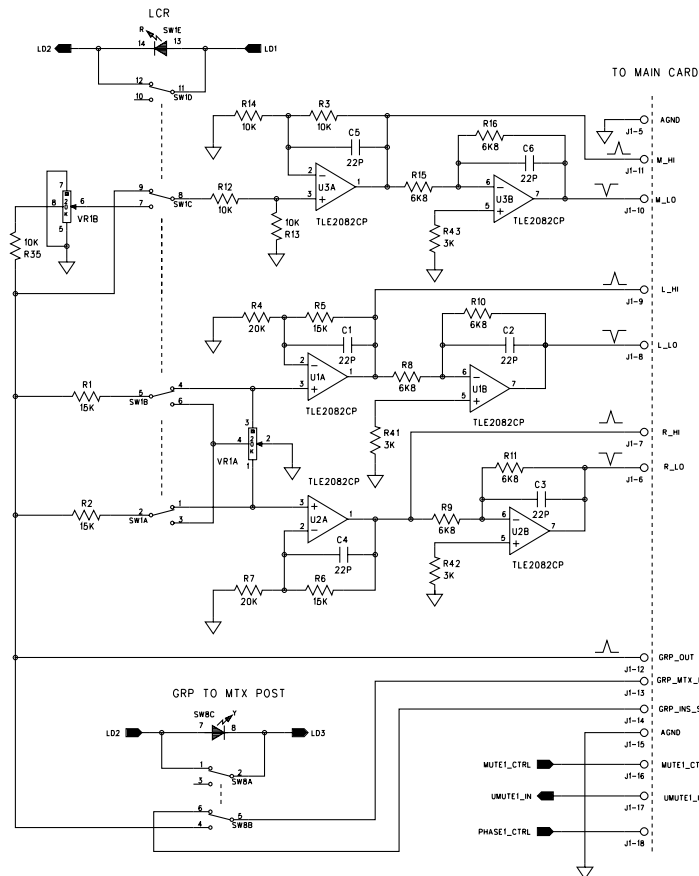


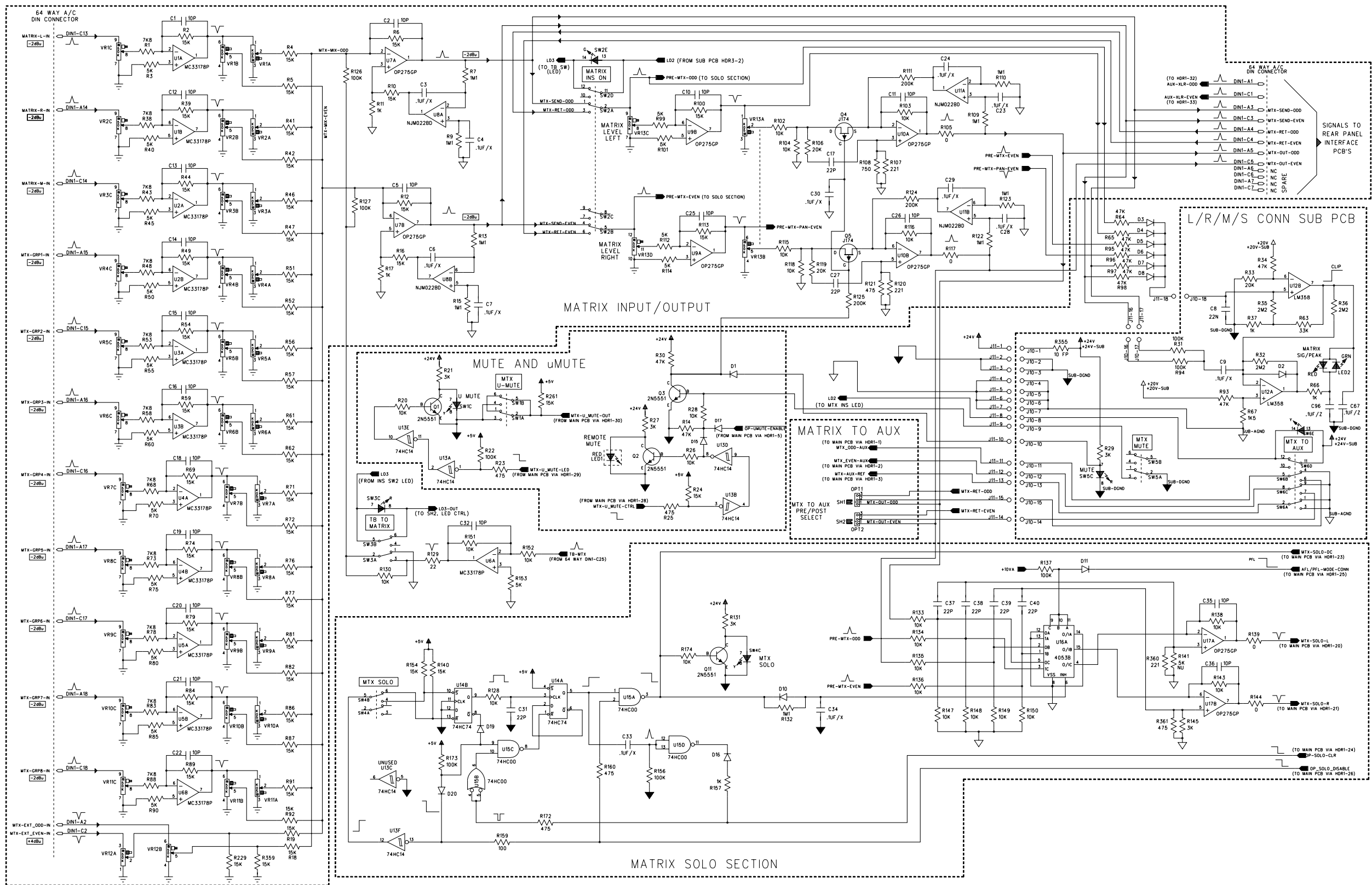


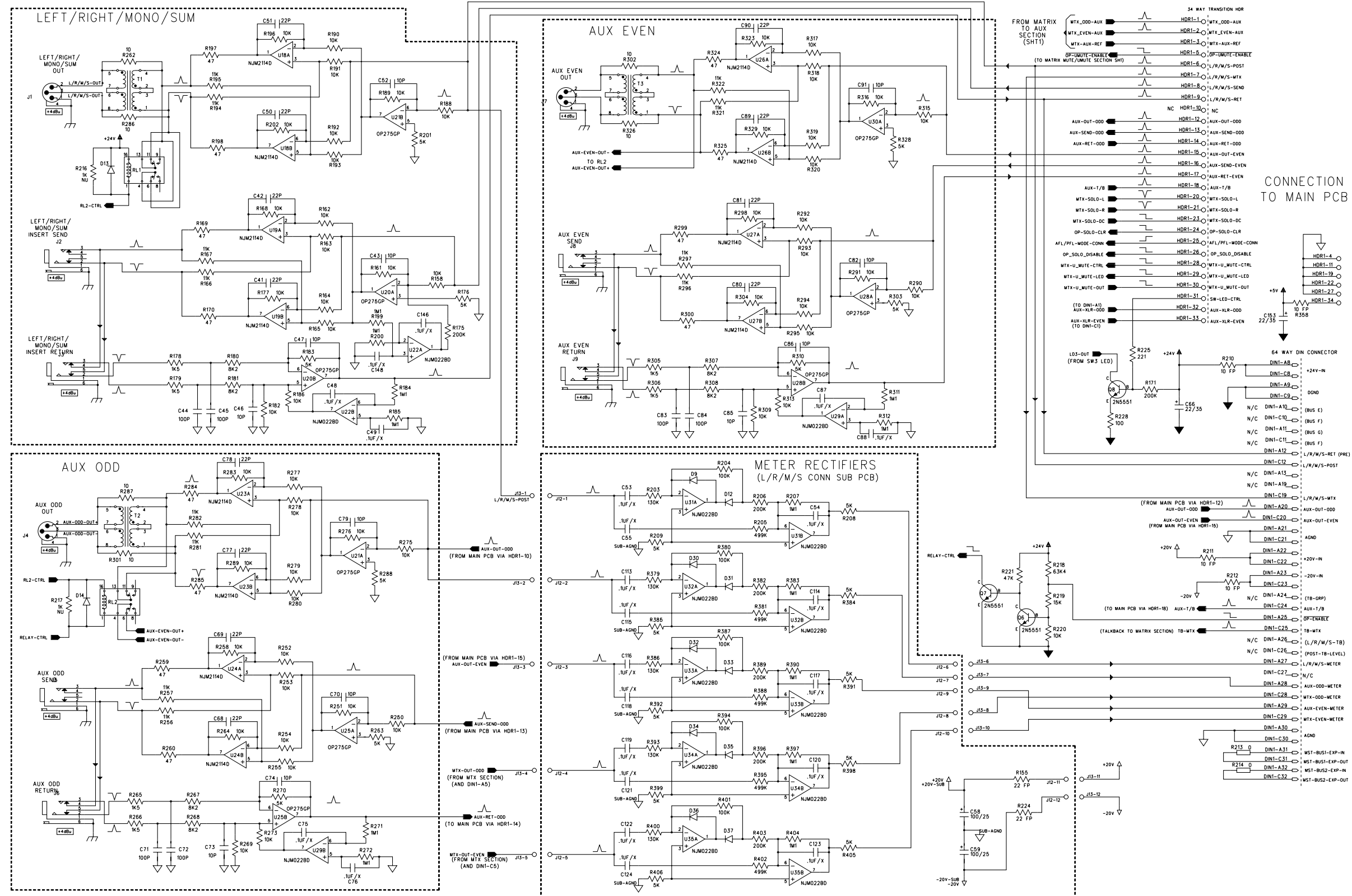


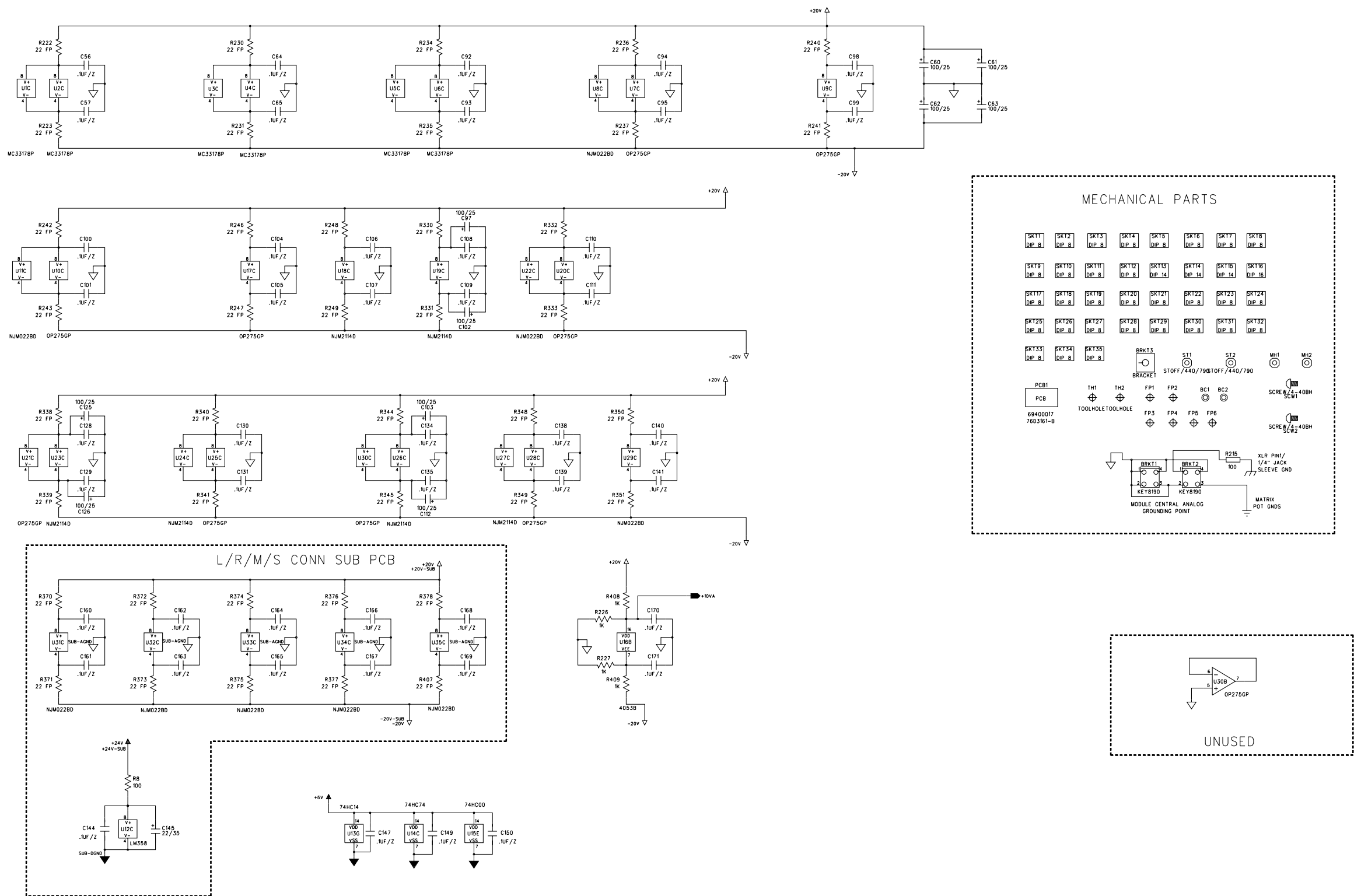


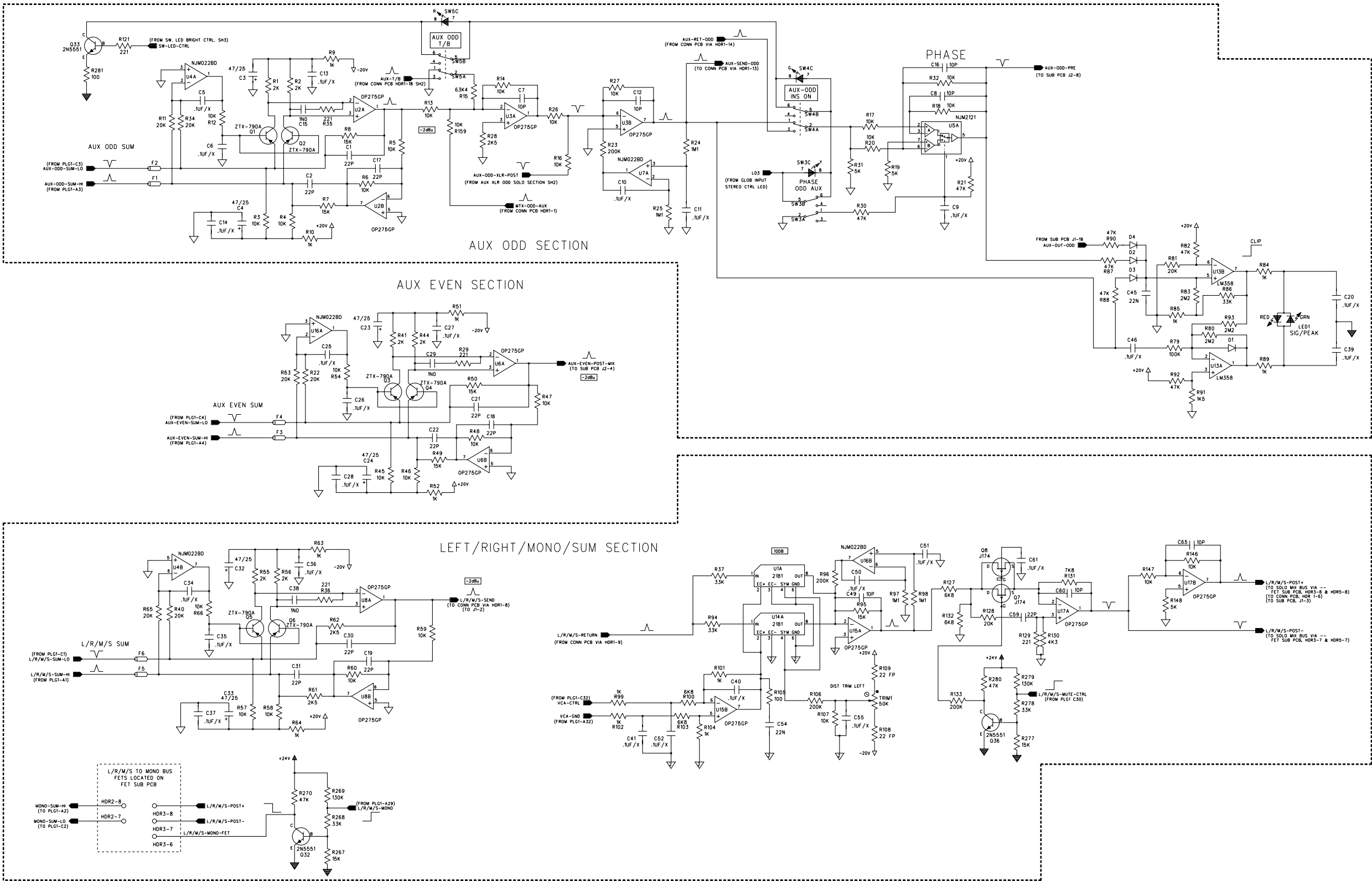


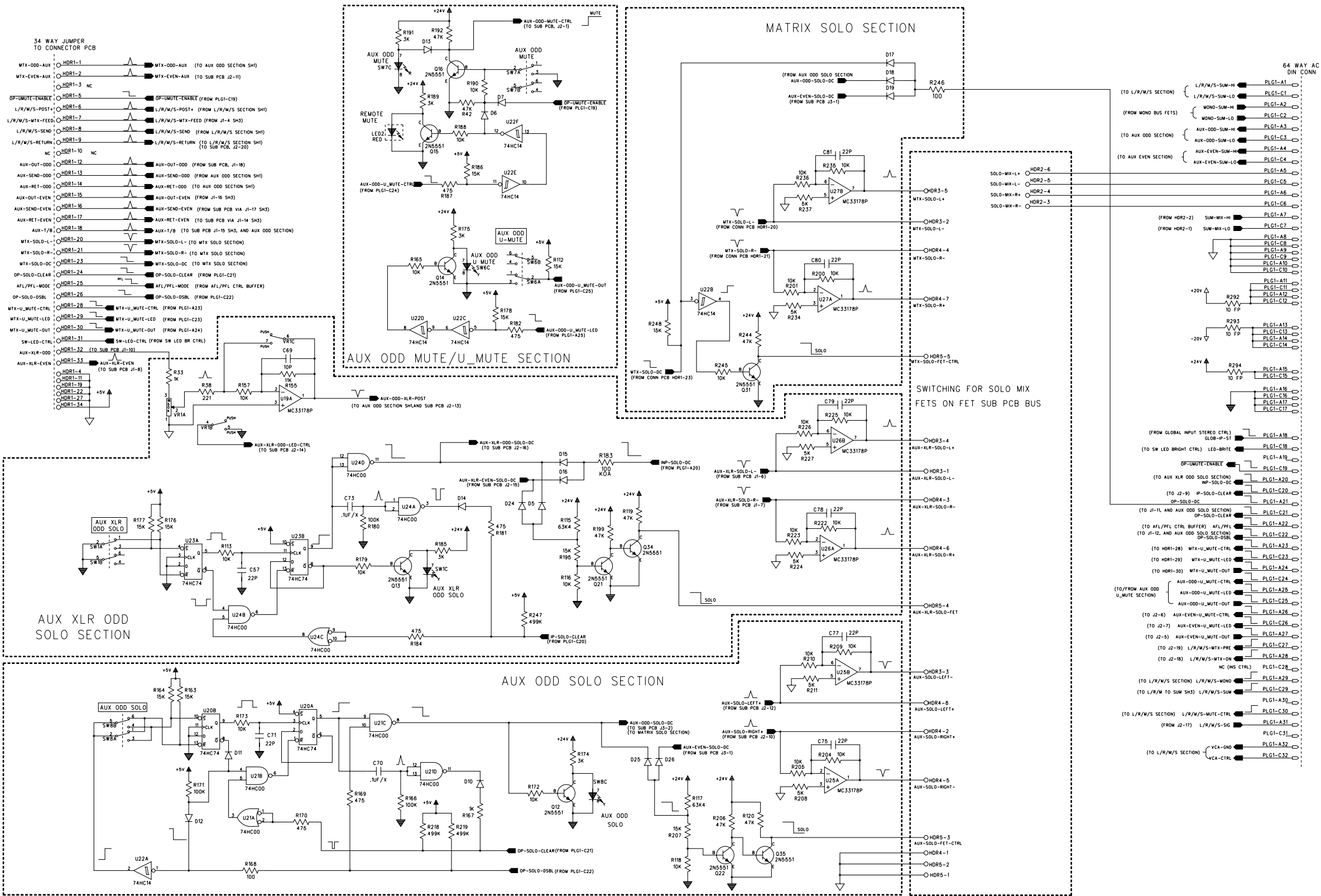


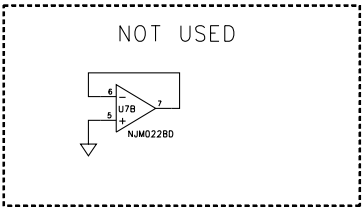
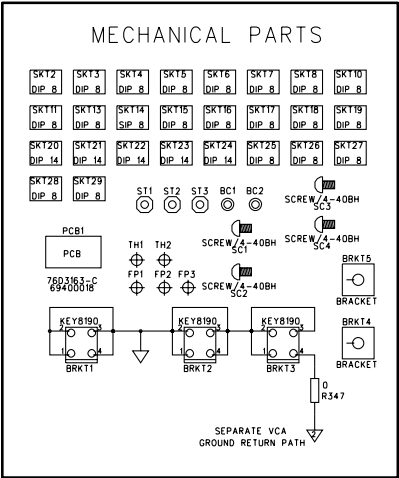
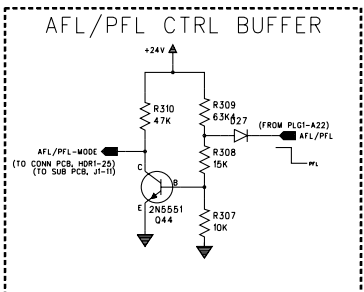
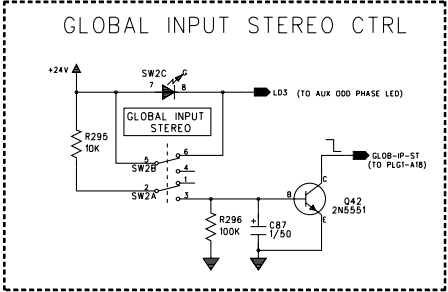
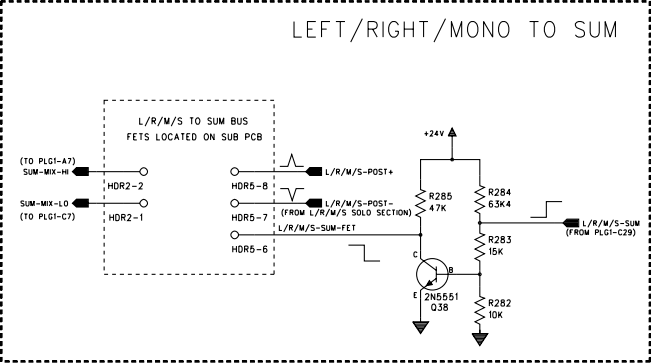
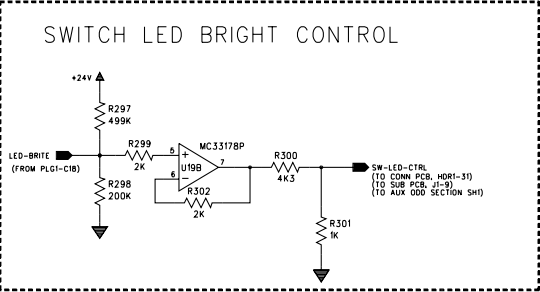
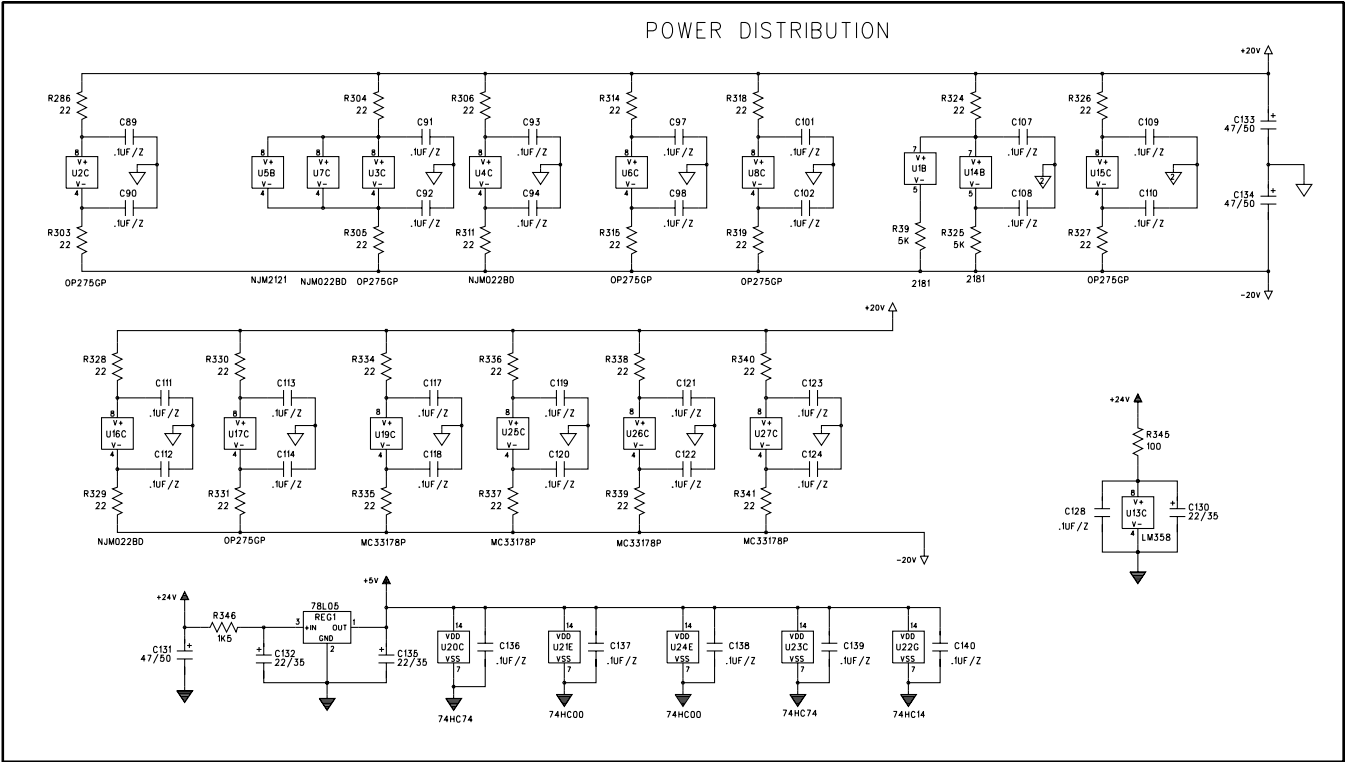
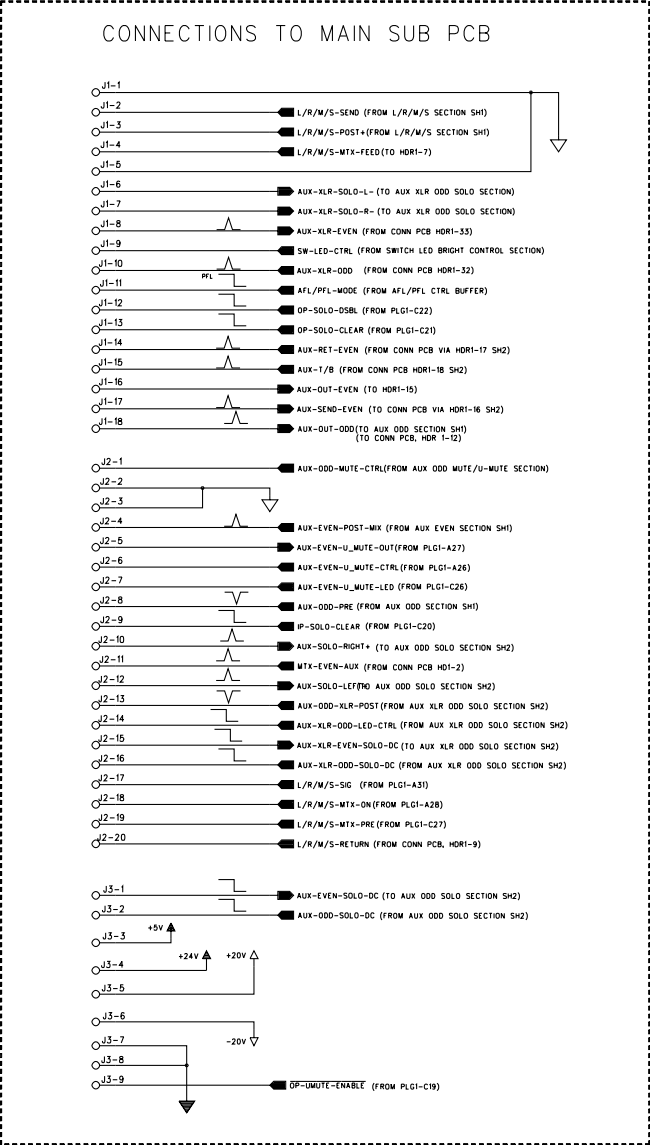




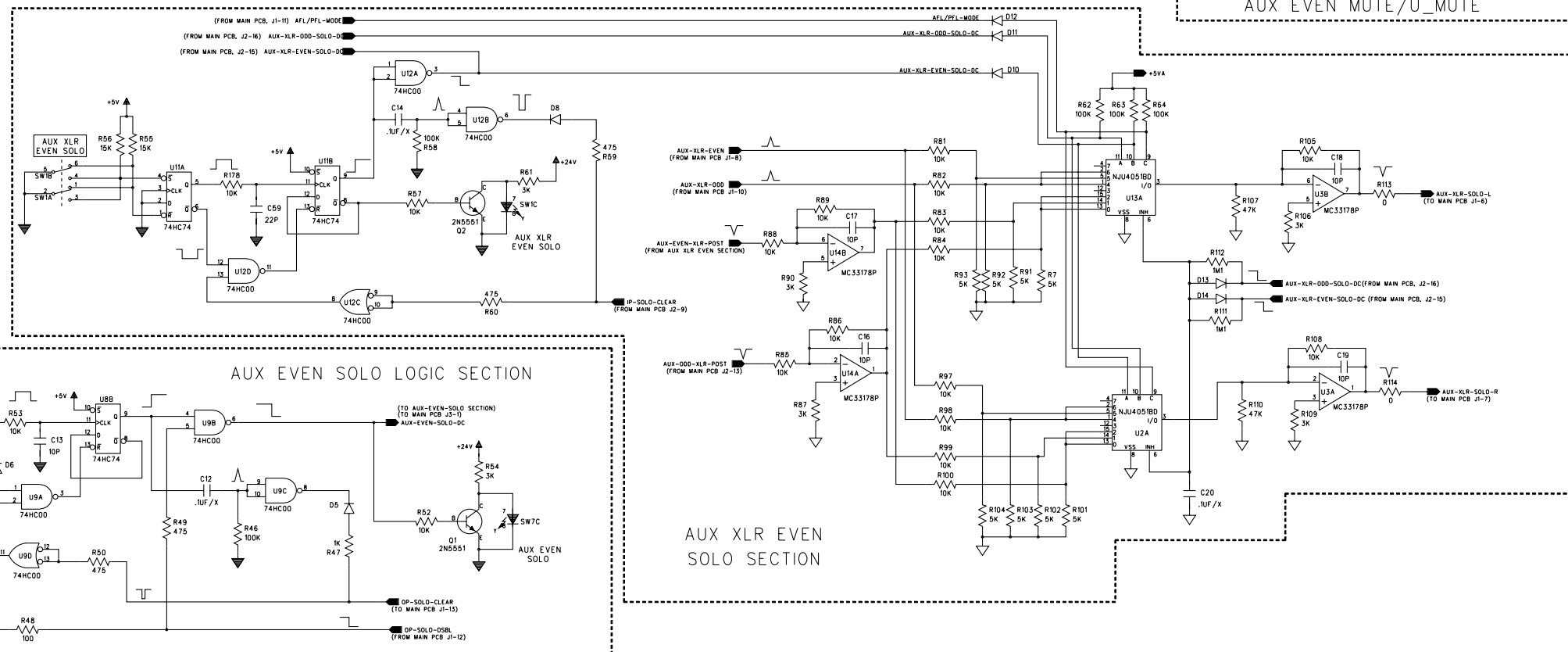
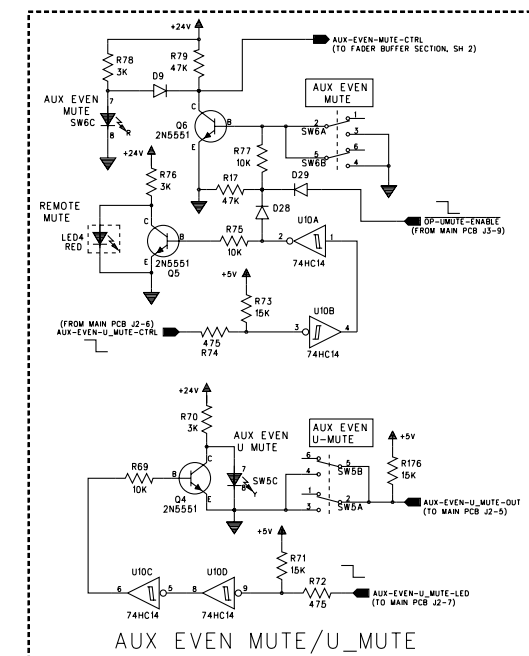
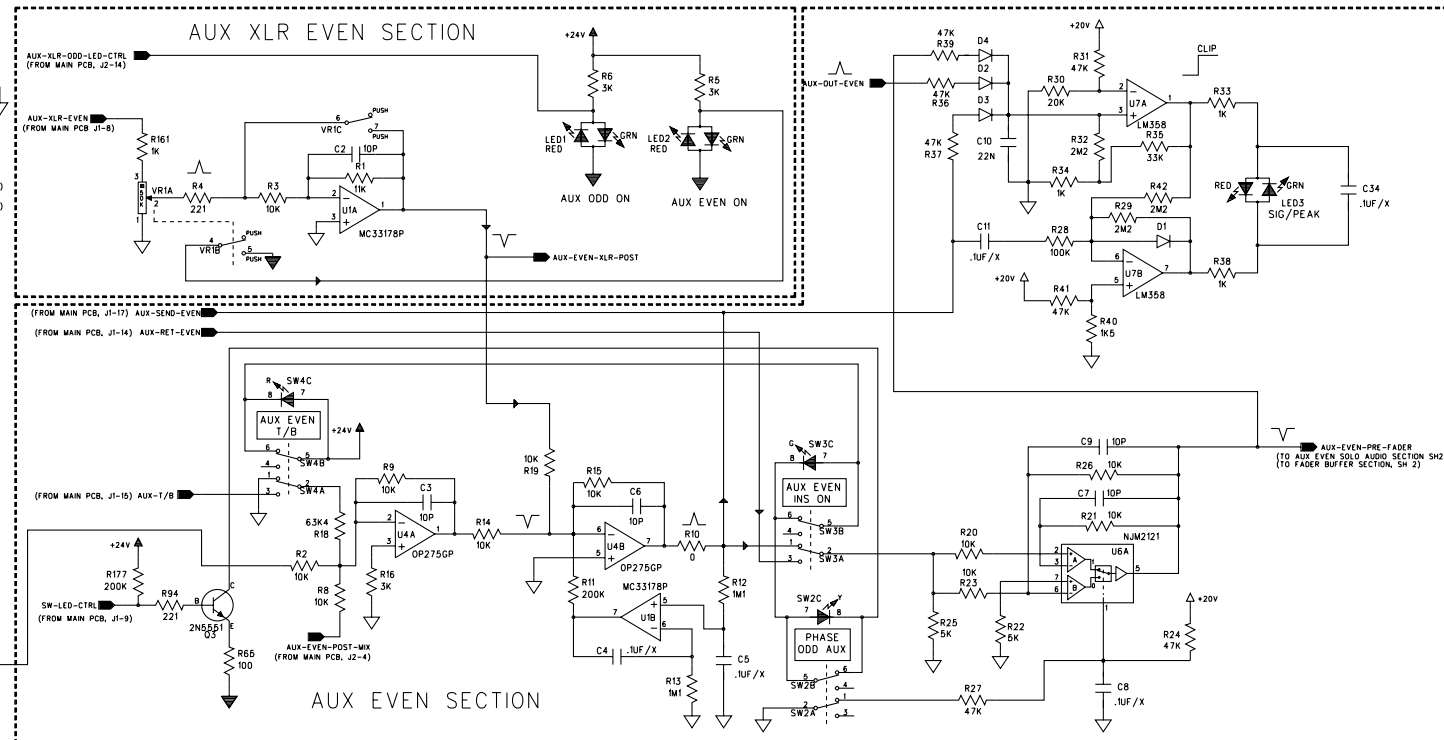
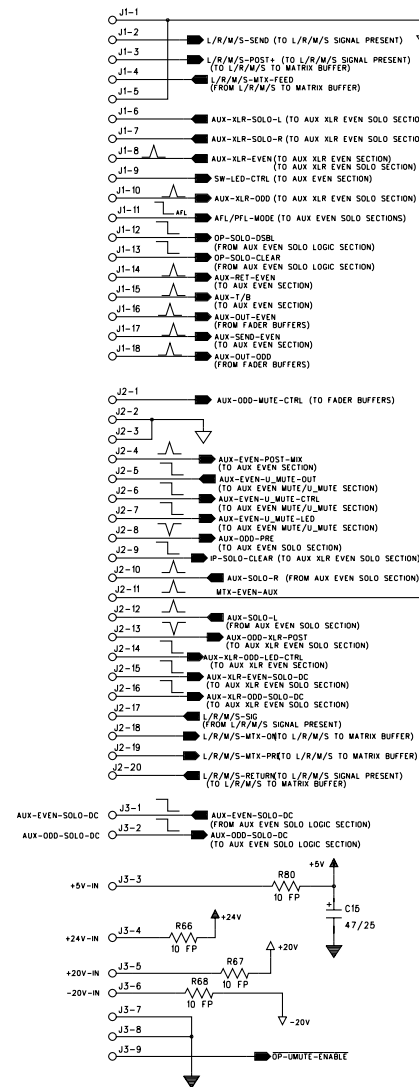


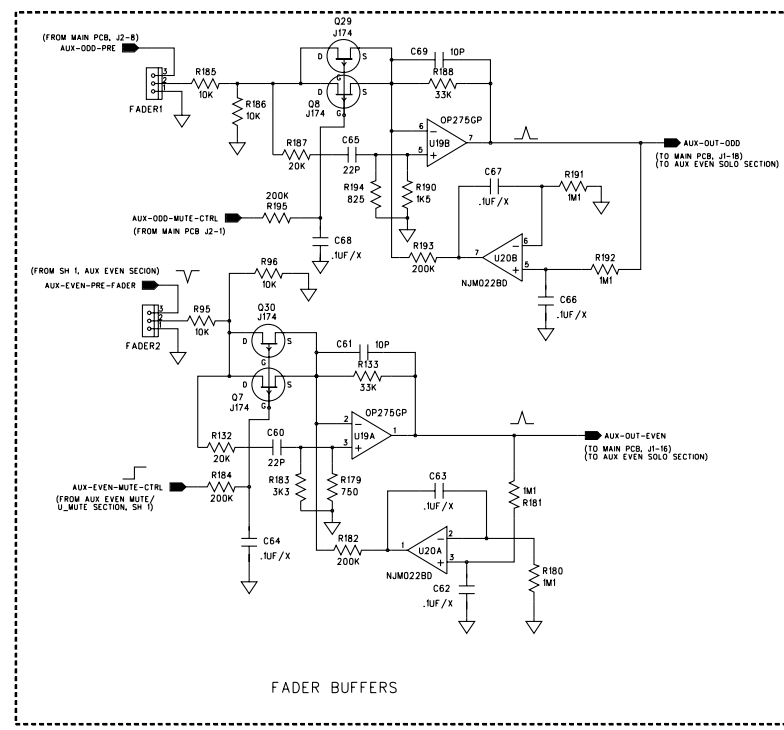
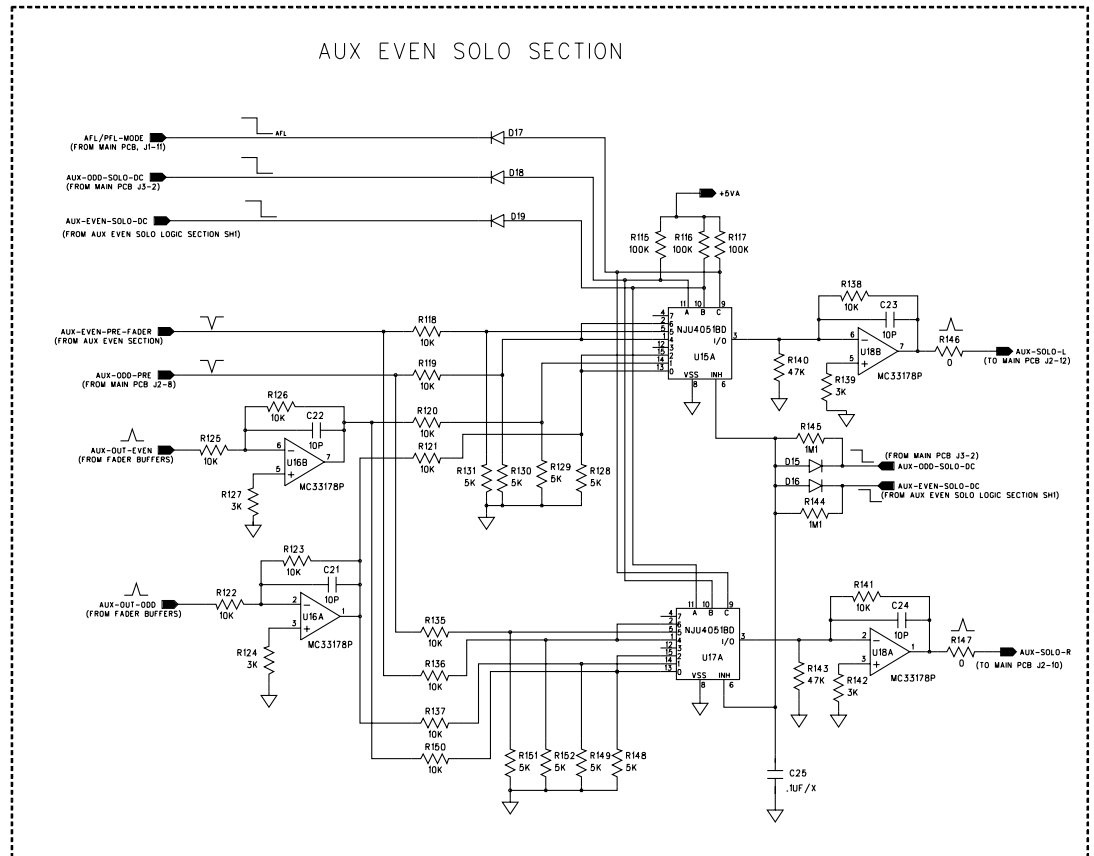






MAIN PCB CONNECTIONS



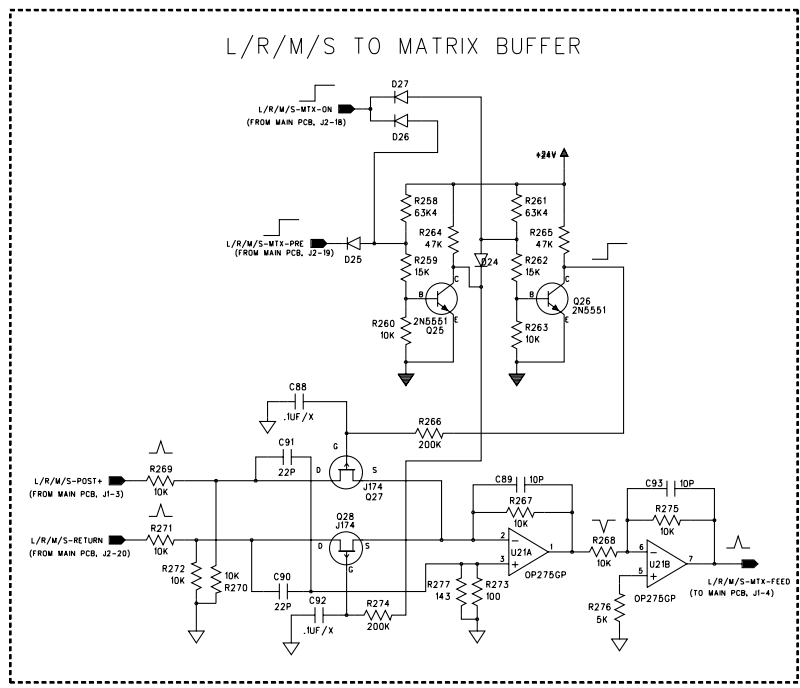
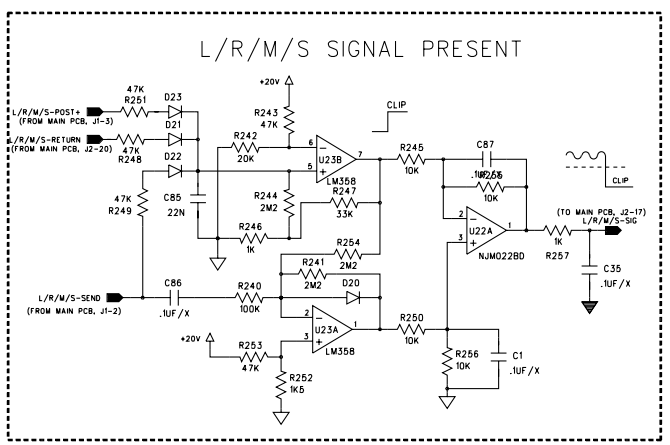
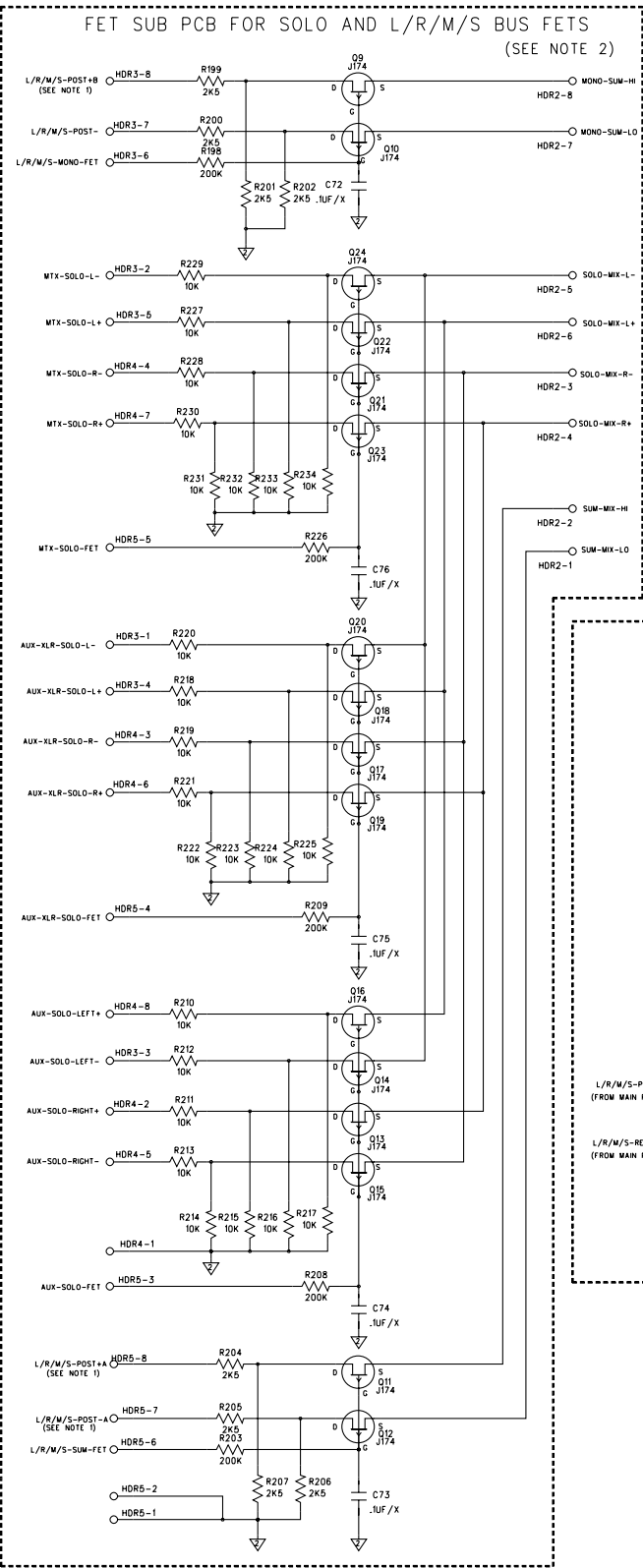


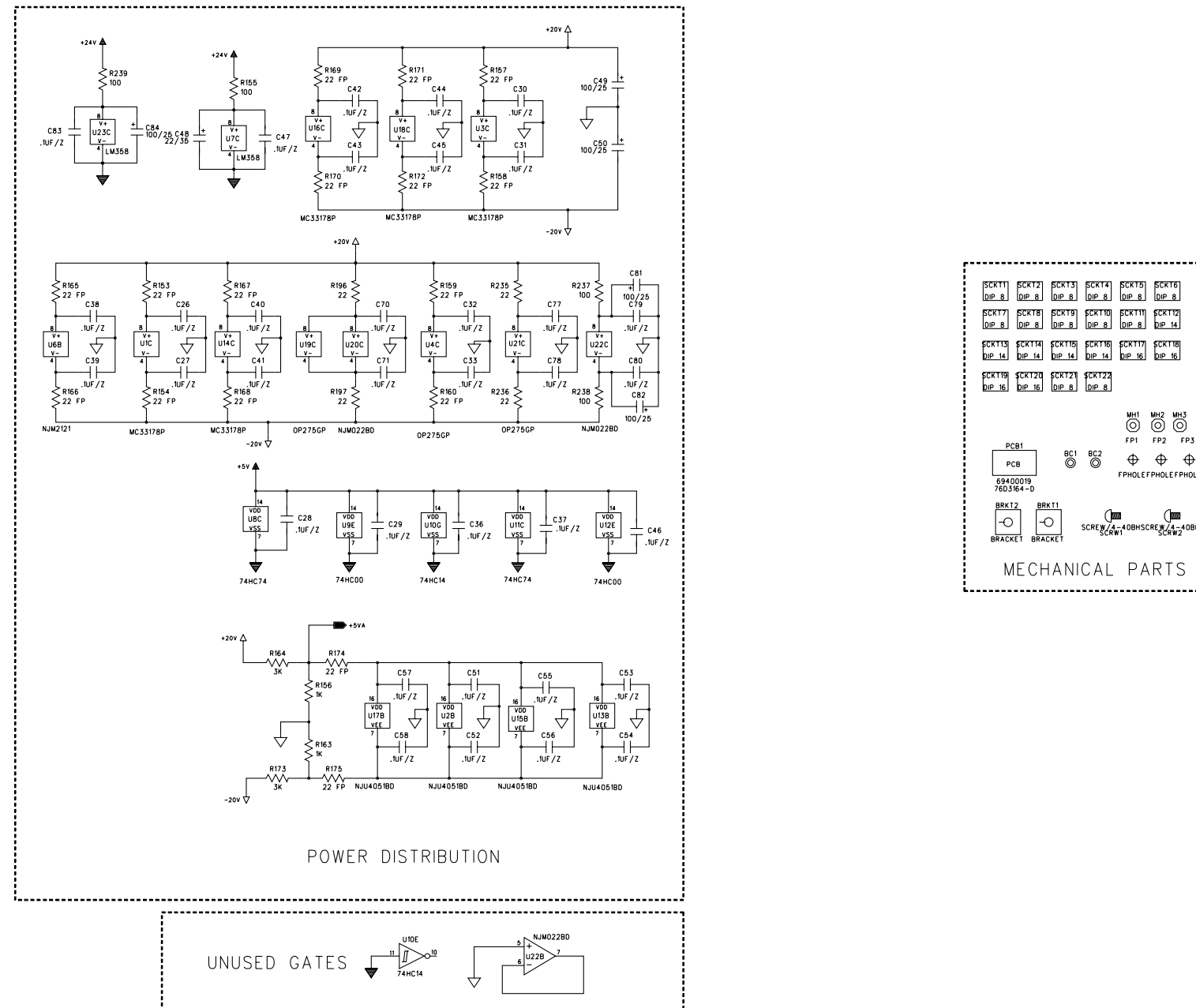
NOTES:

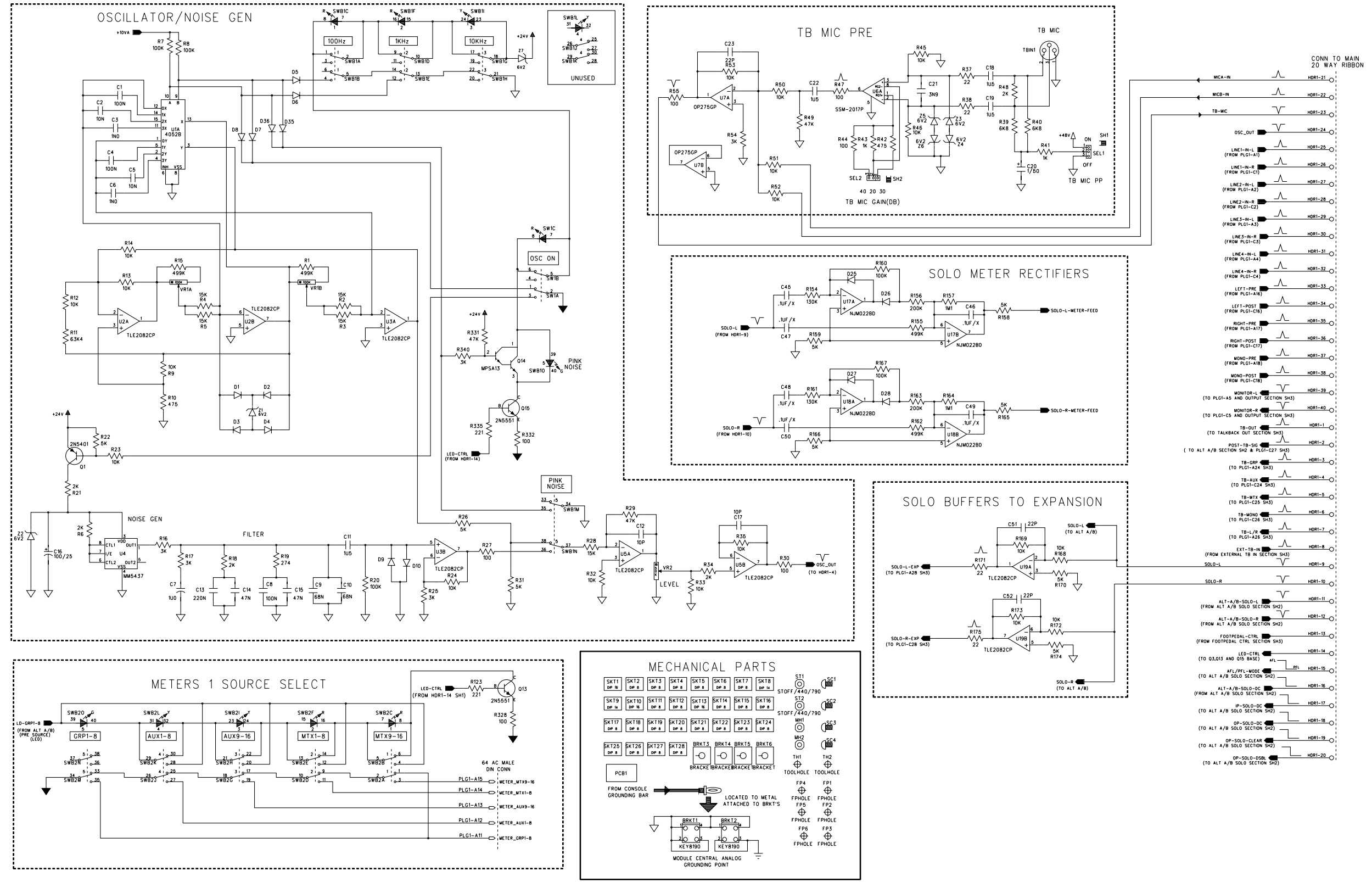
NOTE 1:
NETS L/R/M/S-POST+A AND L/R/M/S-POST+B
L/R/M/S-POST-A ARE THE SAME AS
L/R/M/S-POST+ AND L/R/M/S-POST-
RESPECTIVELY.

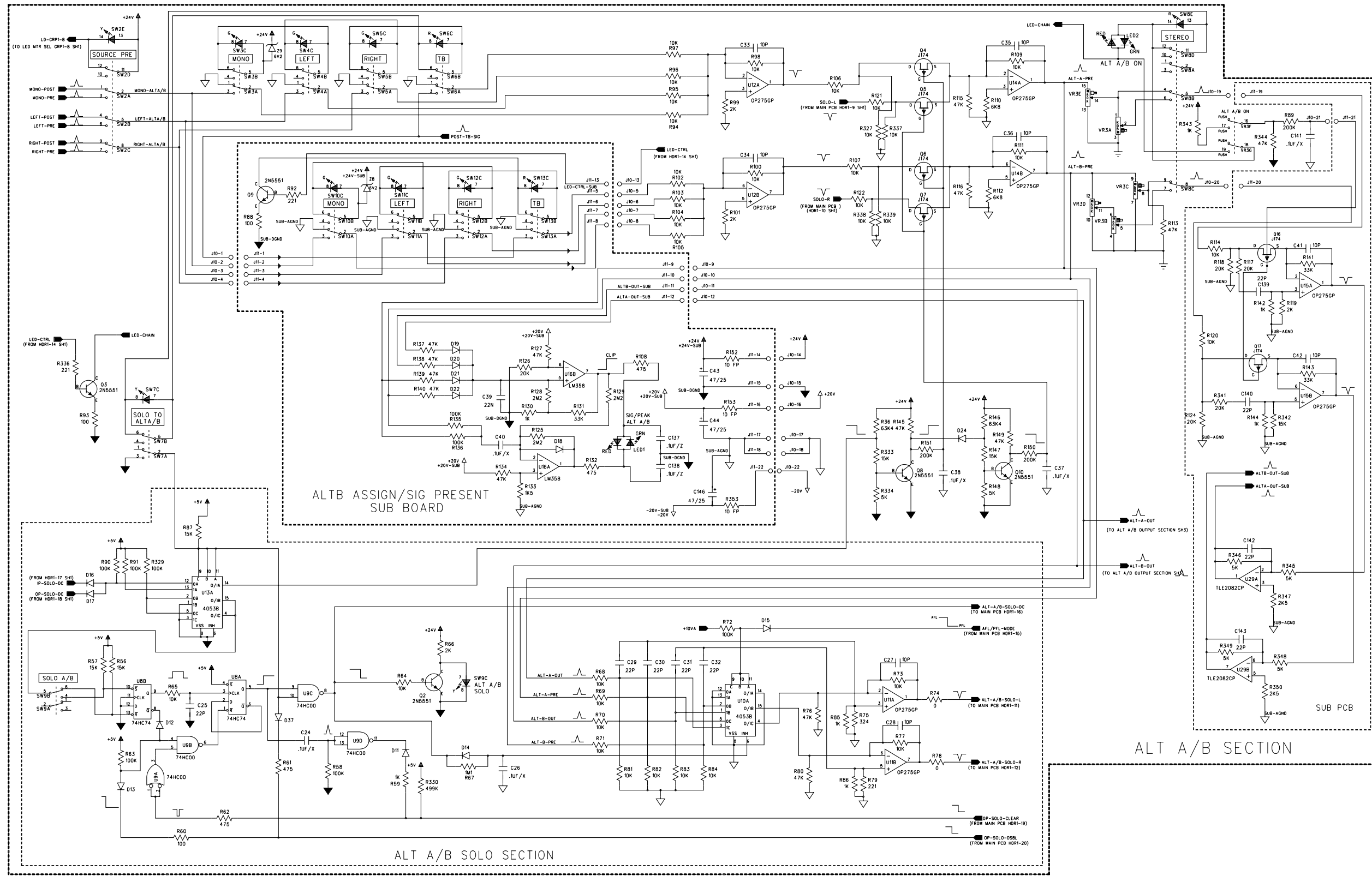
THE CHANGE IS FOR LAYOUT
PURPOSES ONLY.

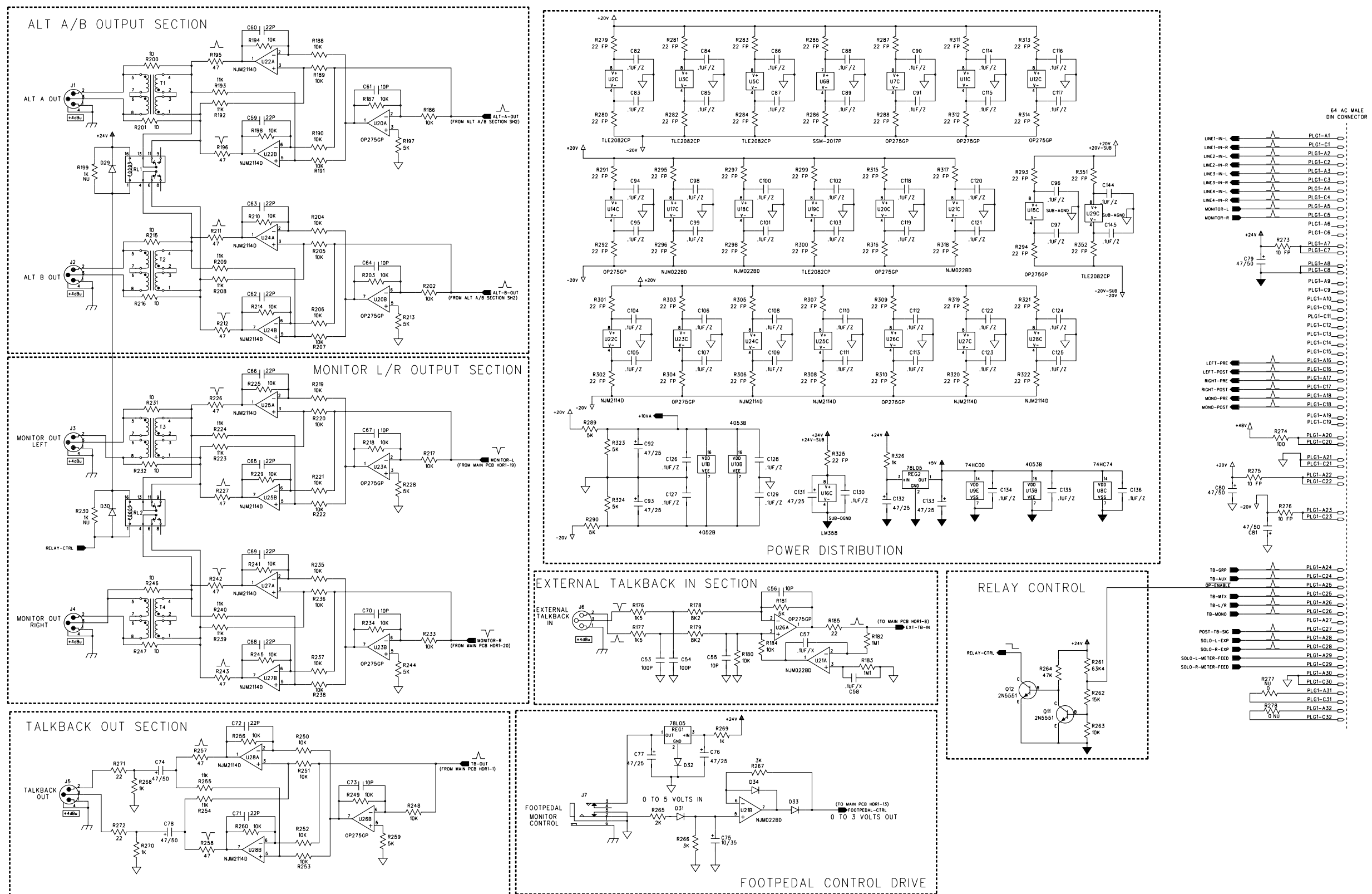
NOTE 2:
ALL HEADERS (HDR 2-5) OF THE
FET SUB PCB ARE CONNECTED
ON THE MAIN PCB. THIS SUB BOARD
IS PHYSICALLY SEPARATED FROM THE
"MAIN" SUB PCB.

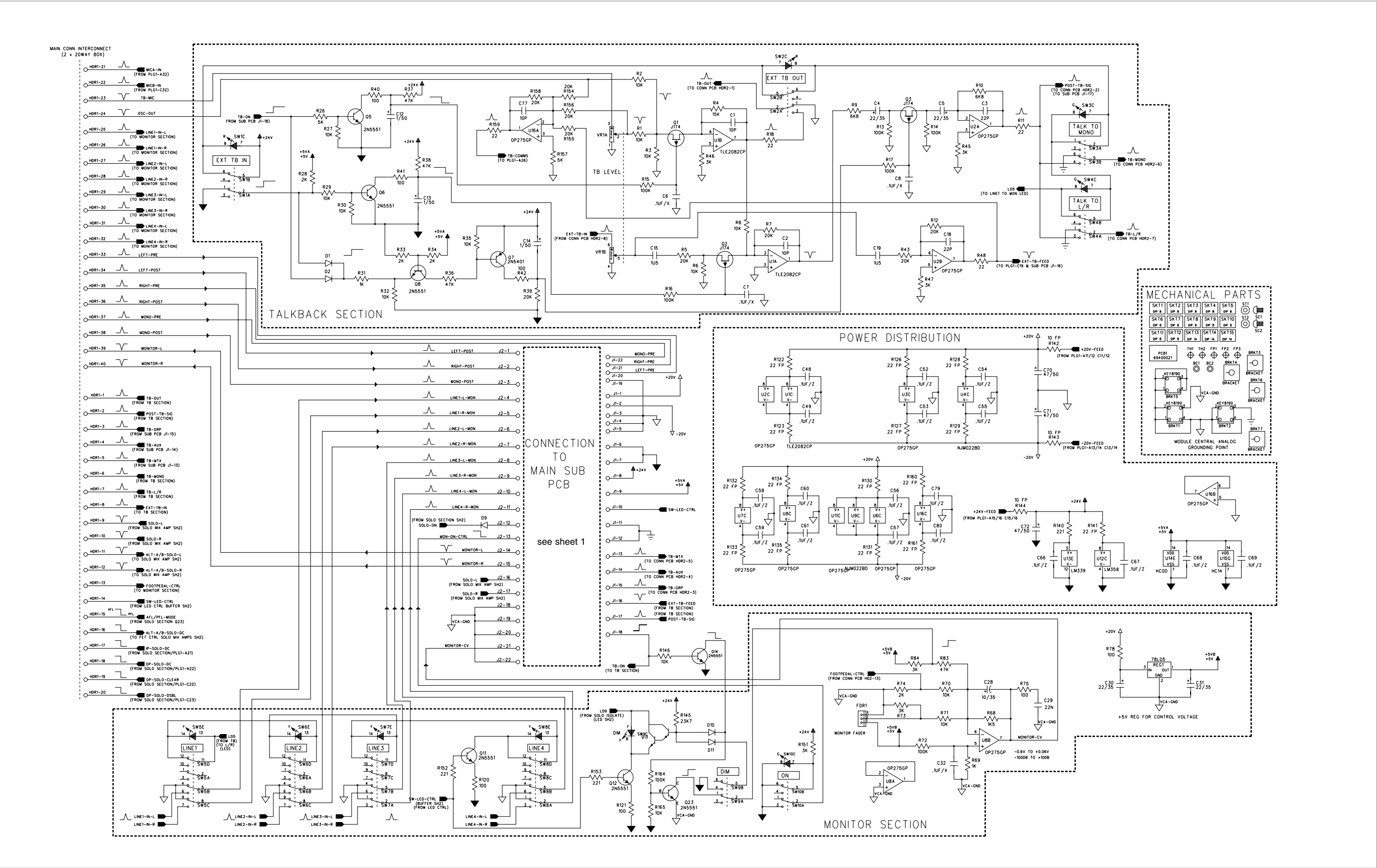


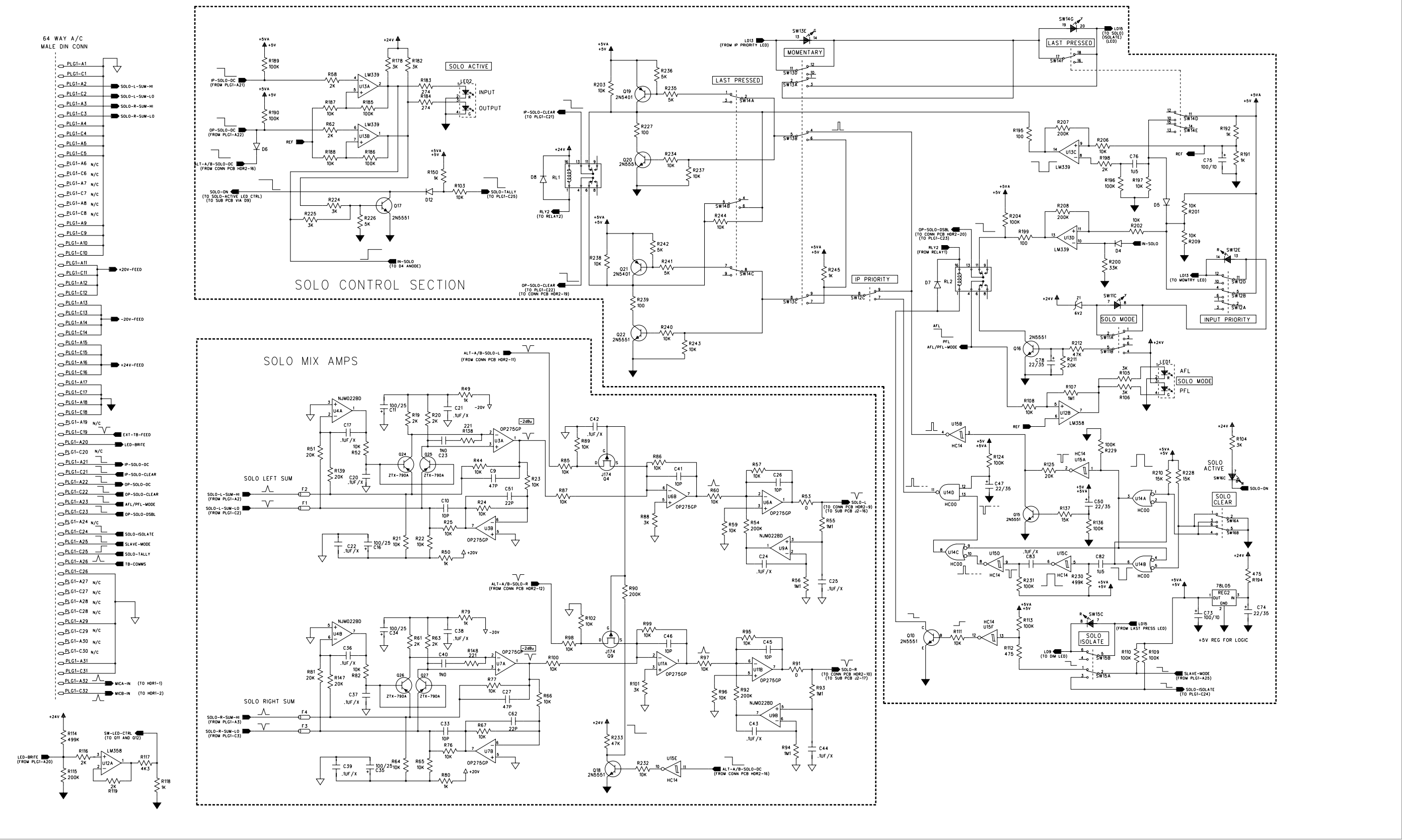


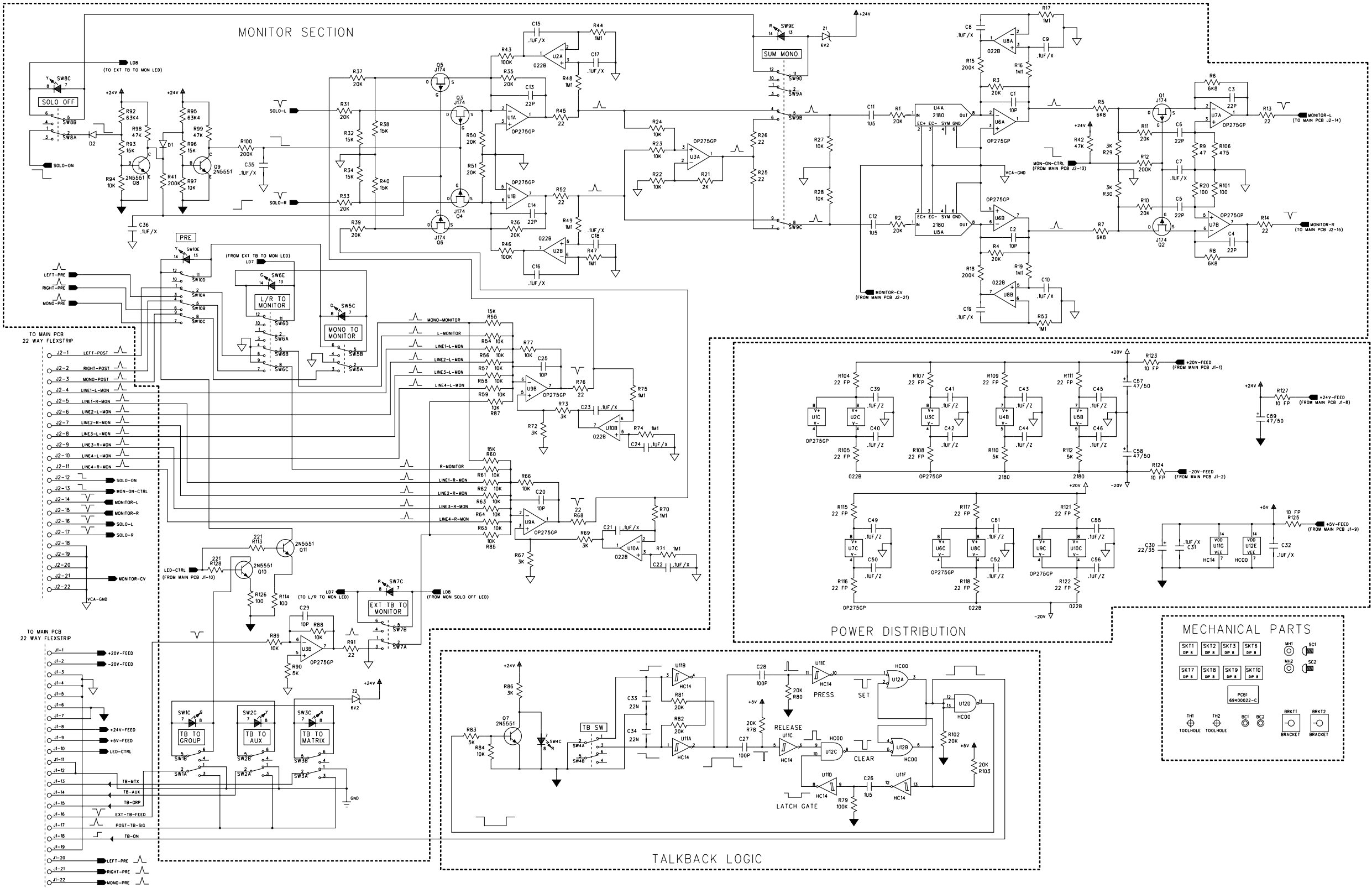


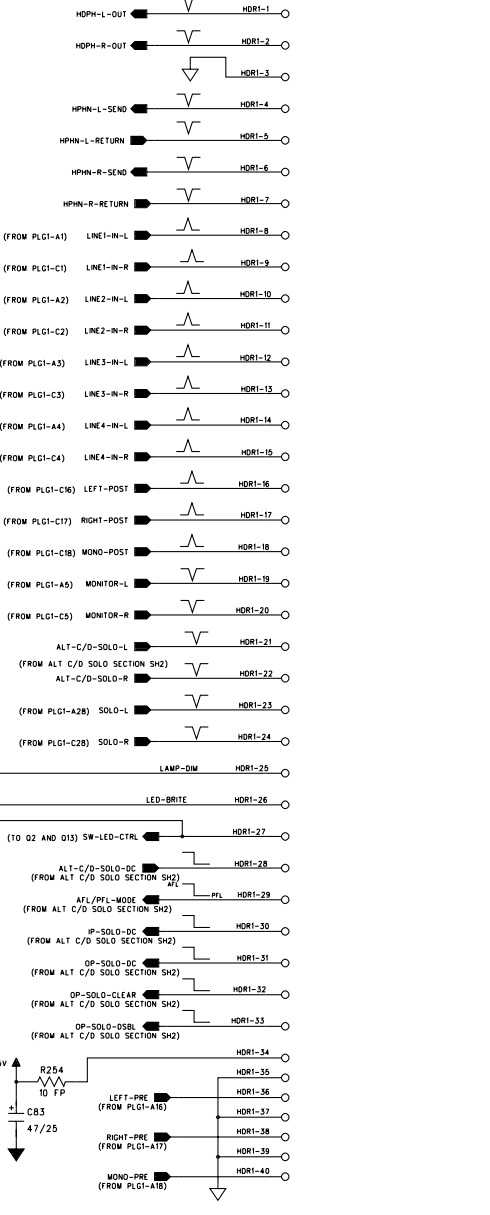
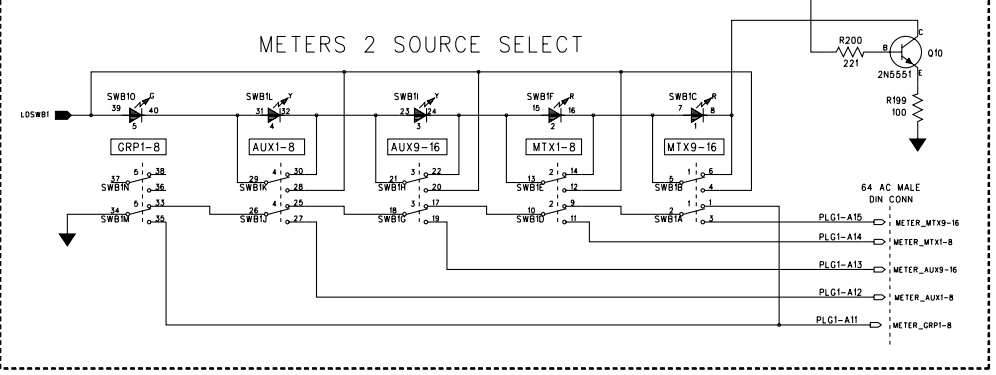
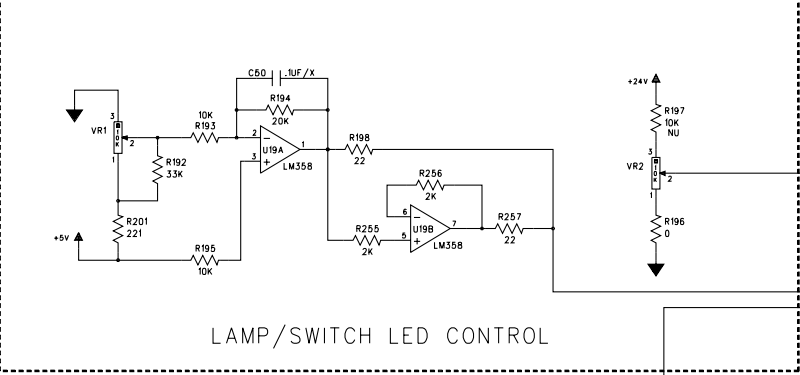
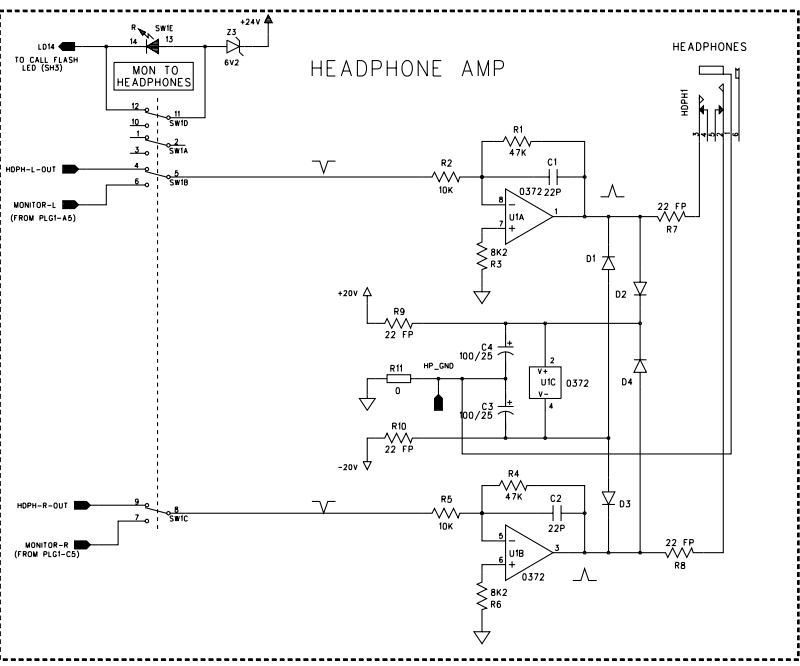
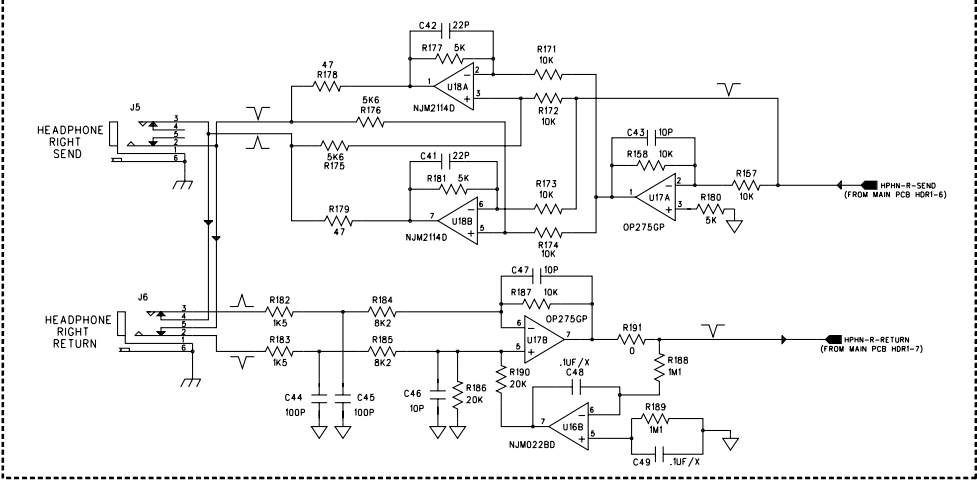
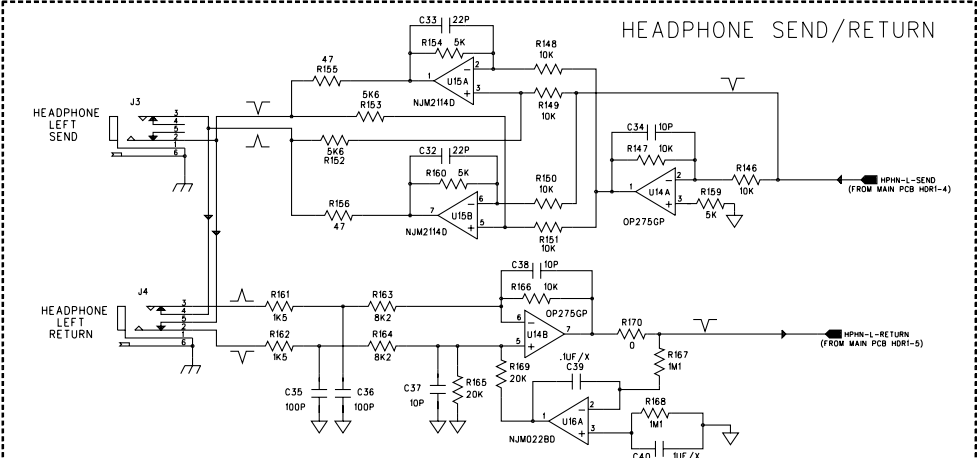
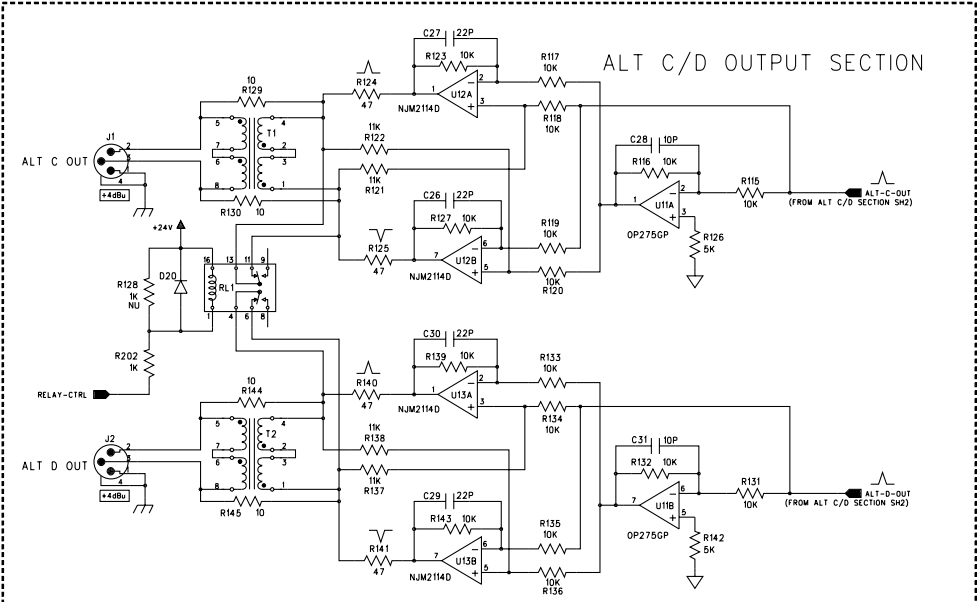


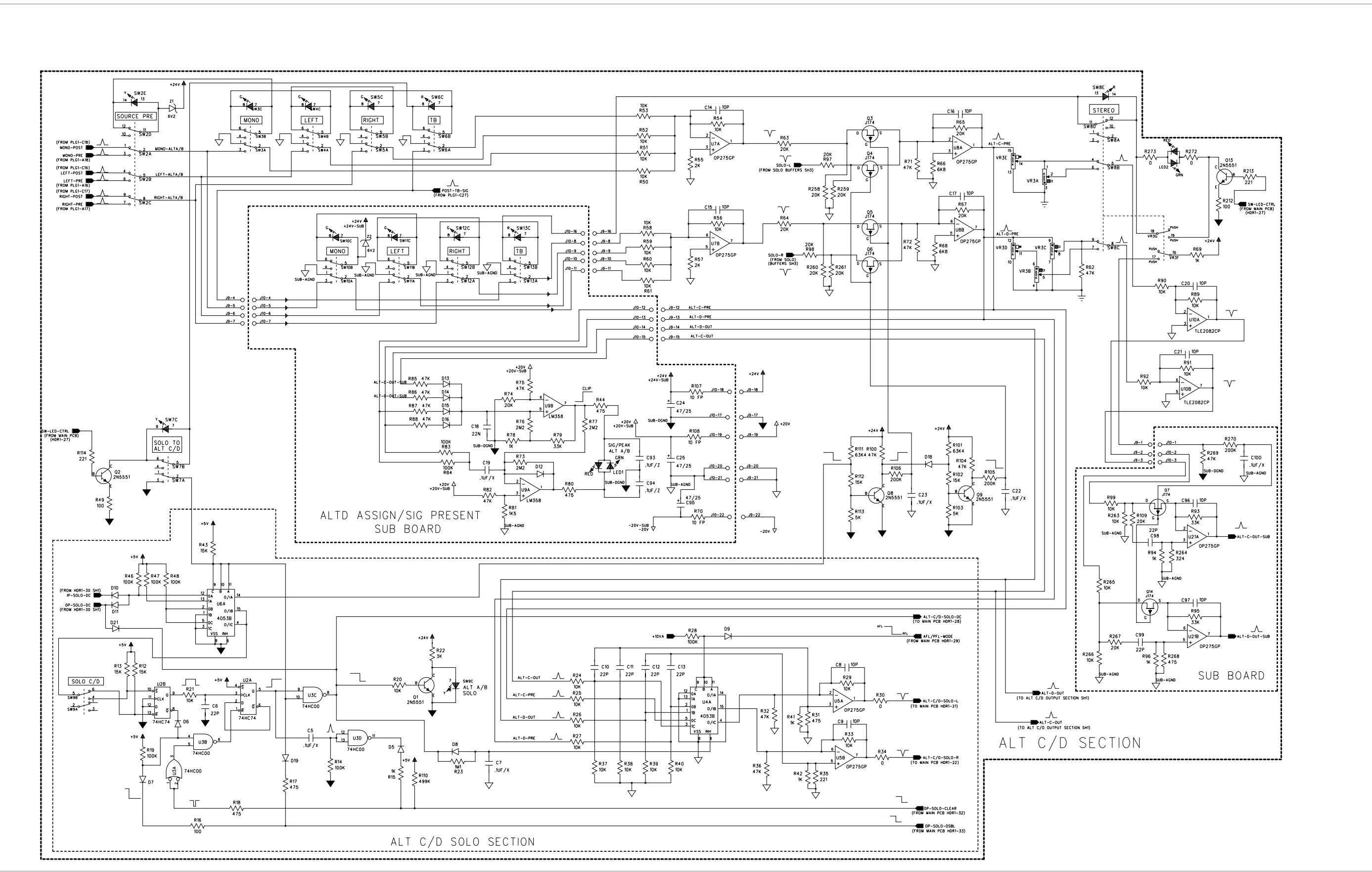


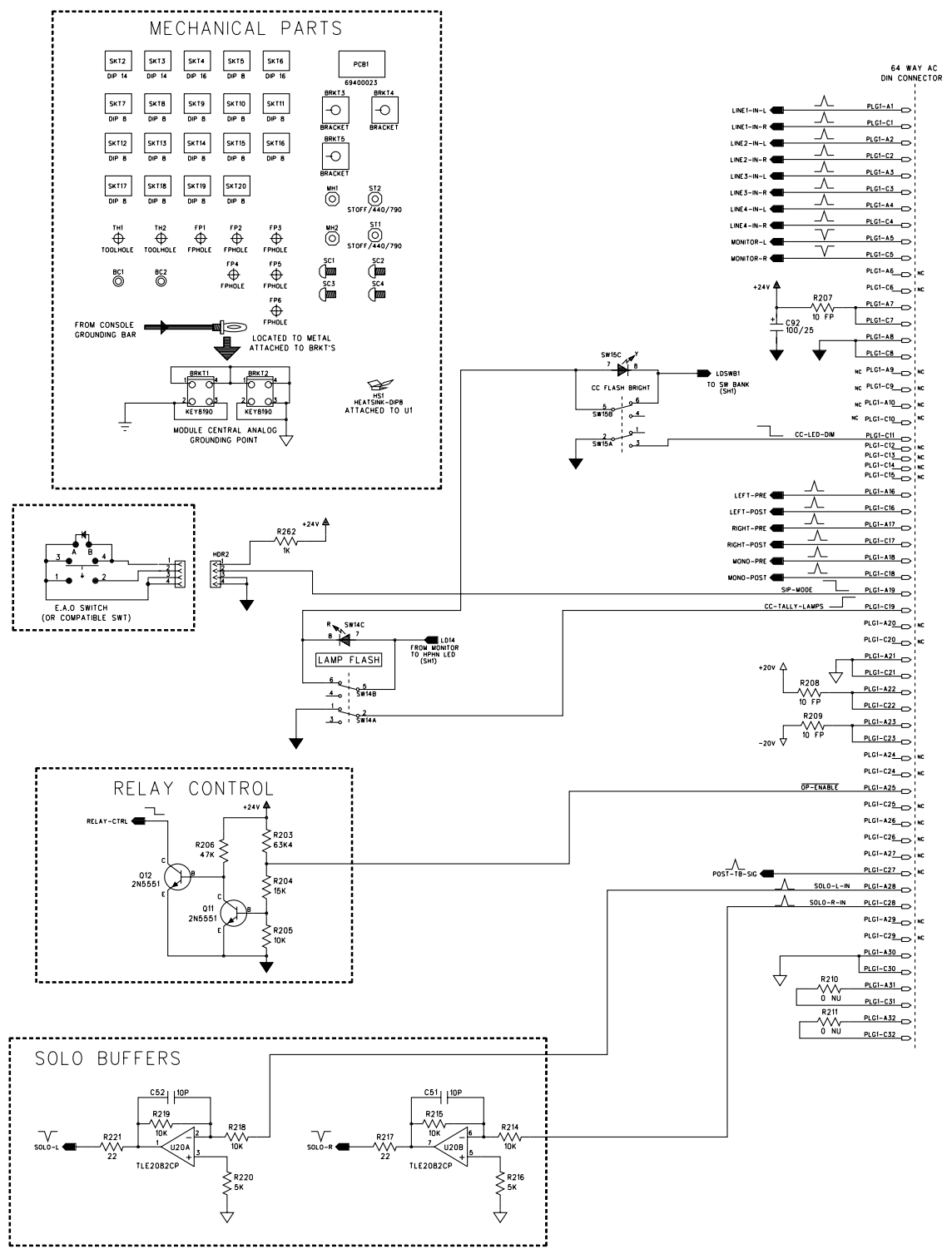
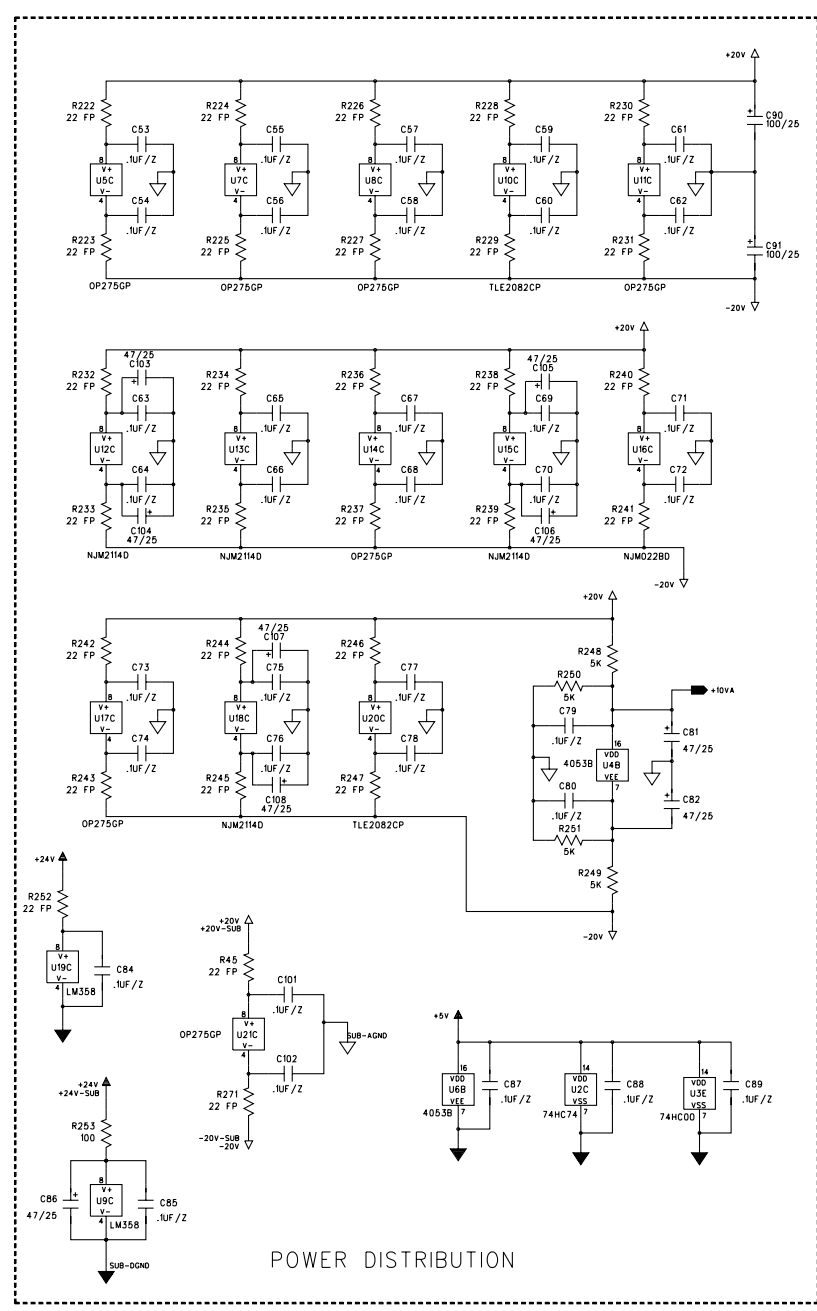


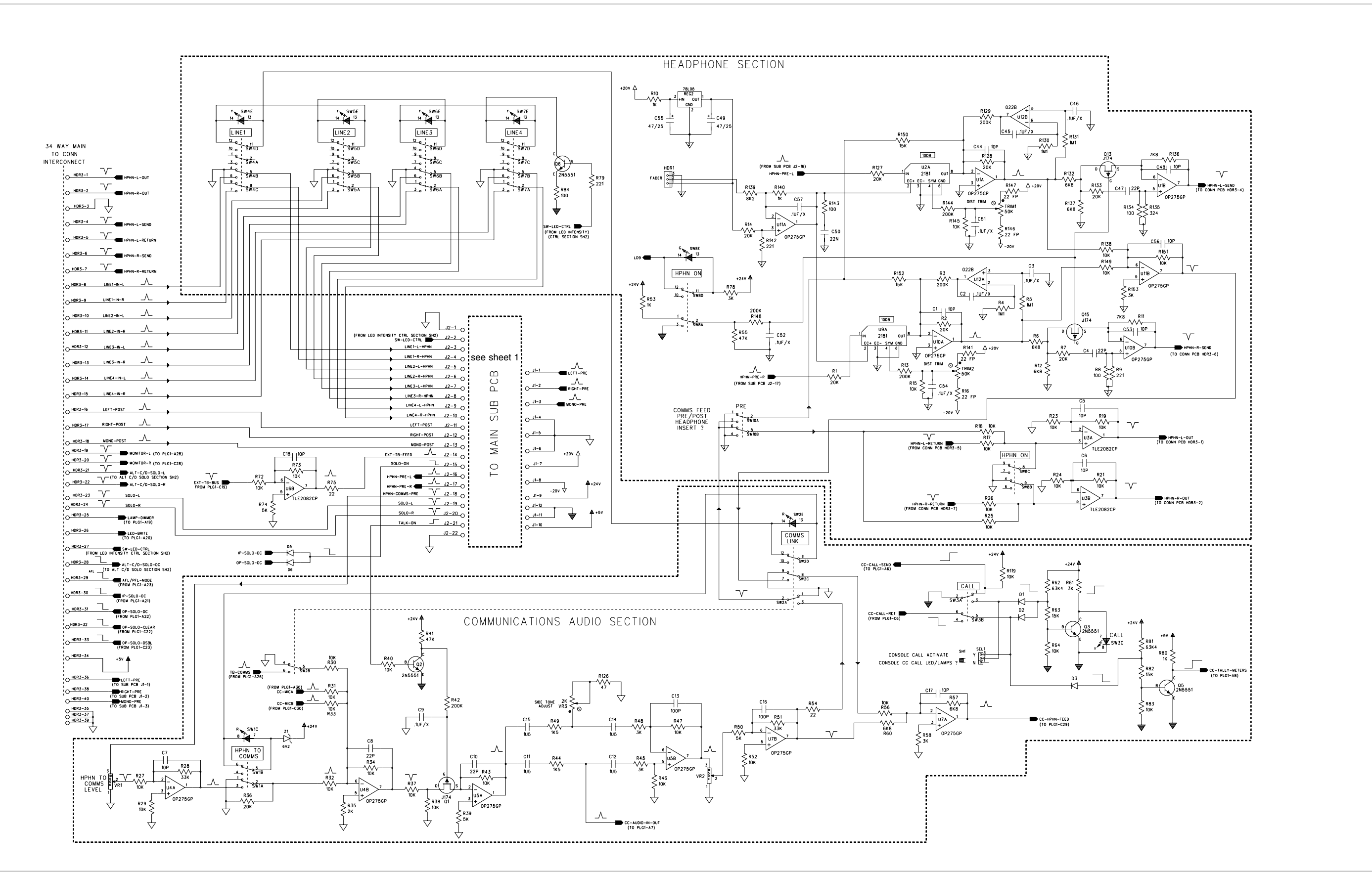


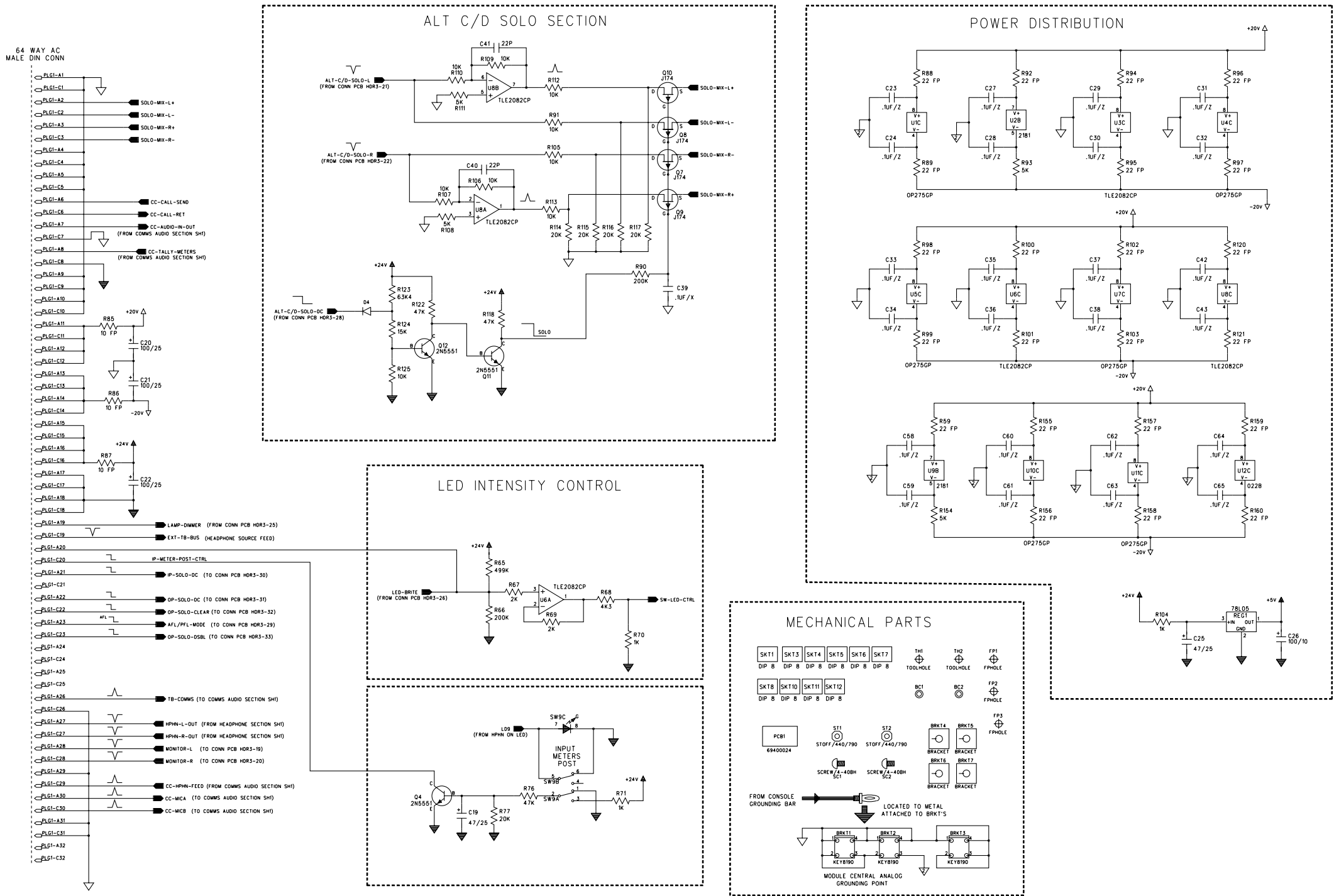


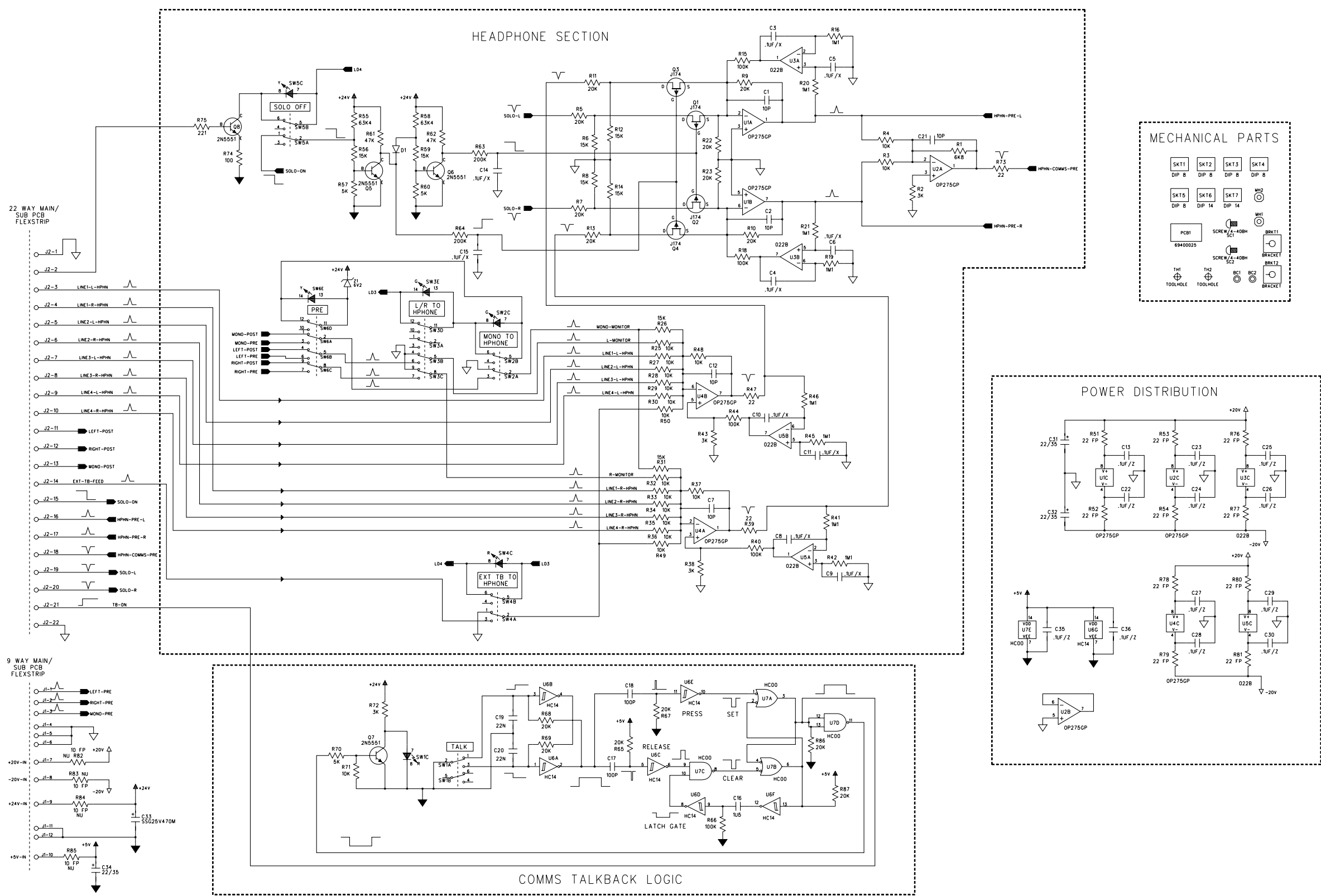


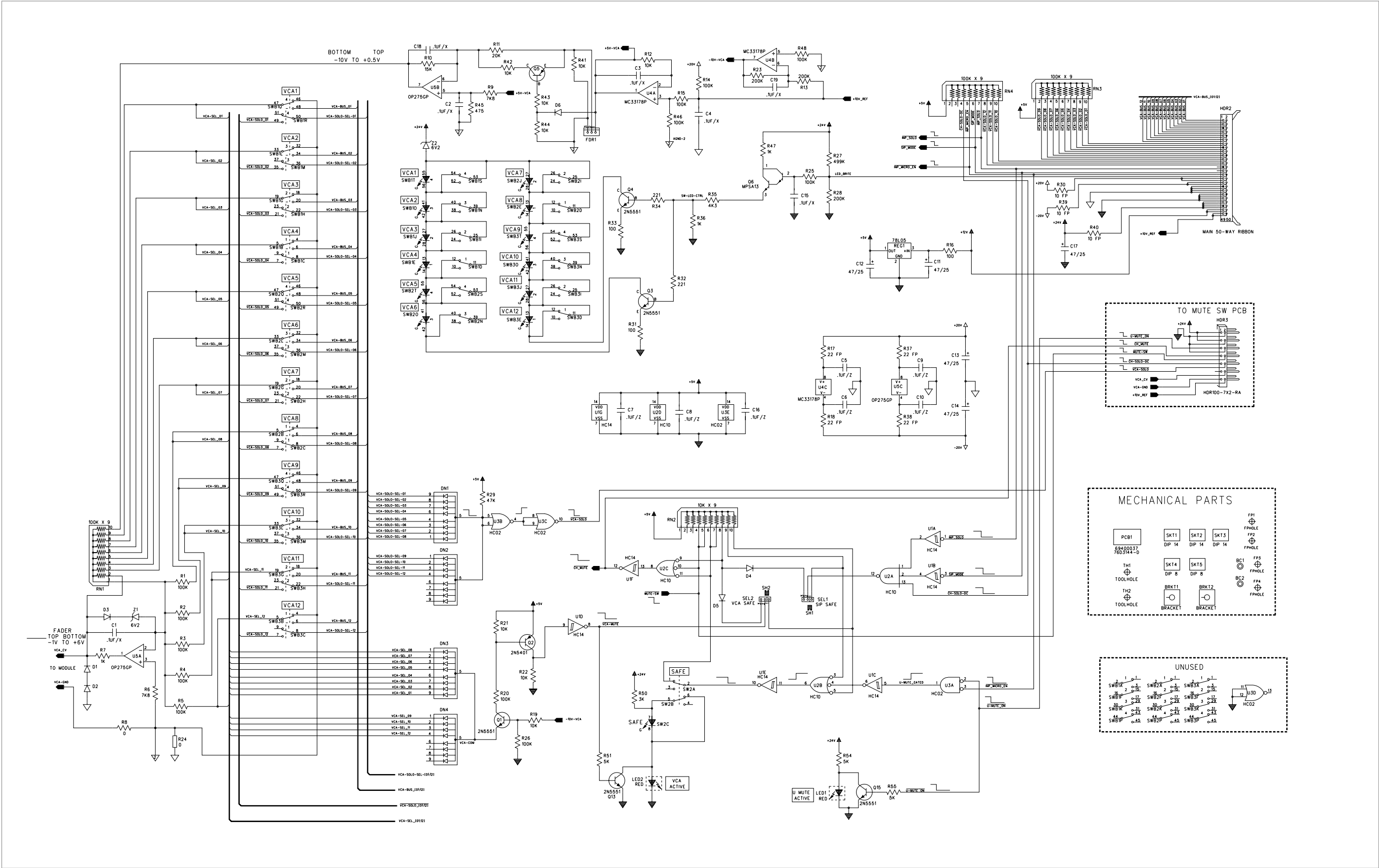


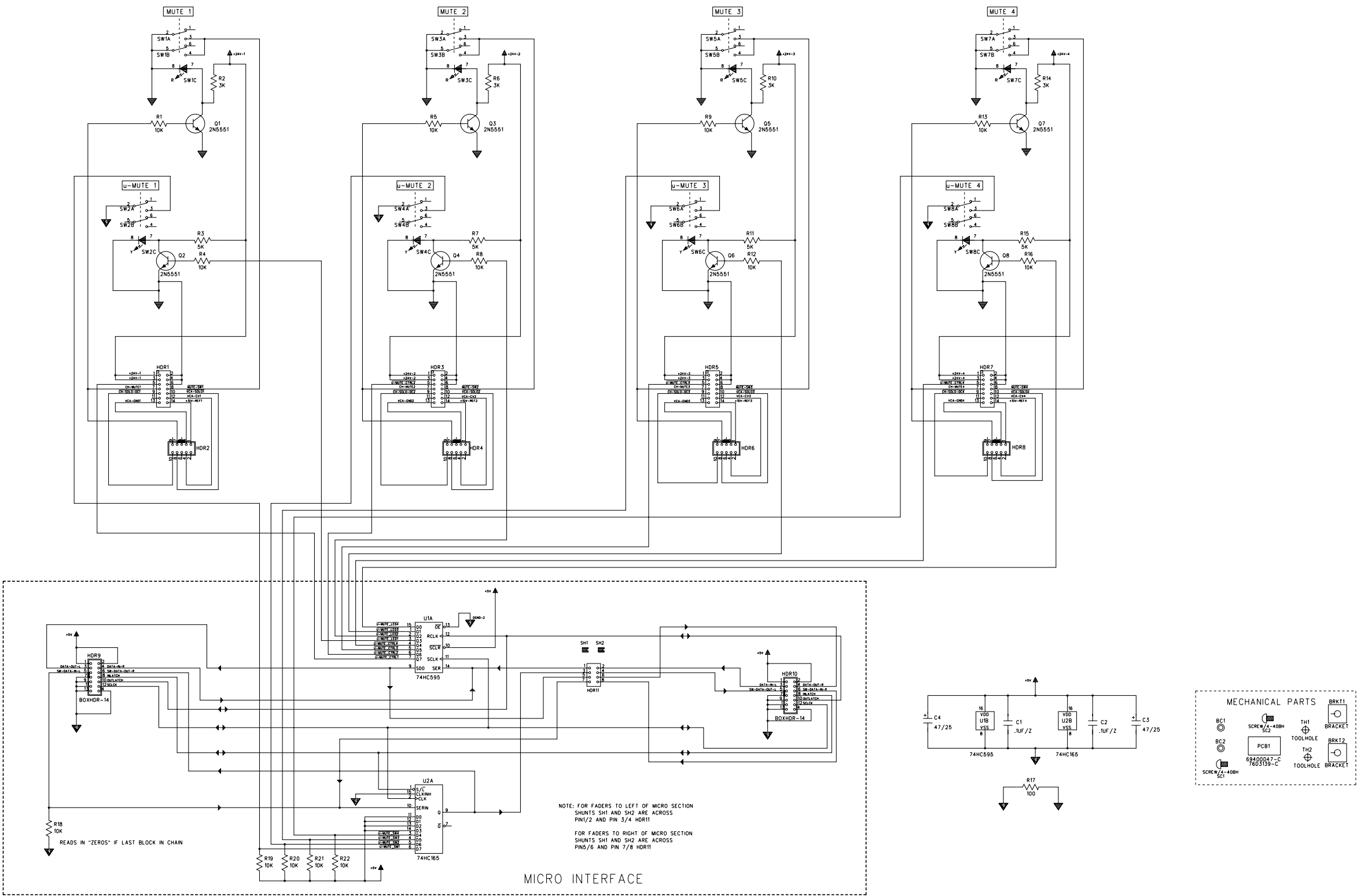


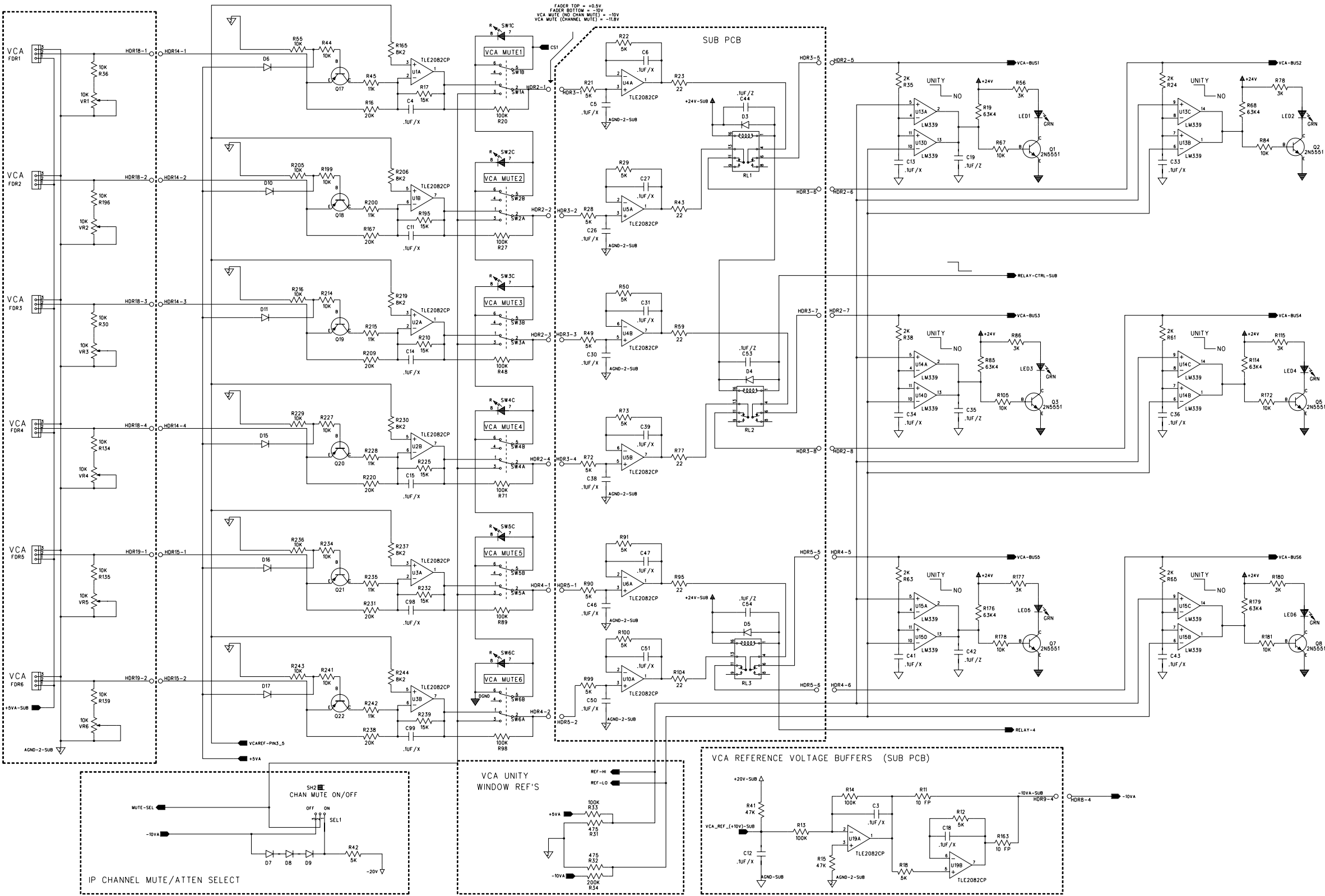


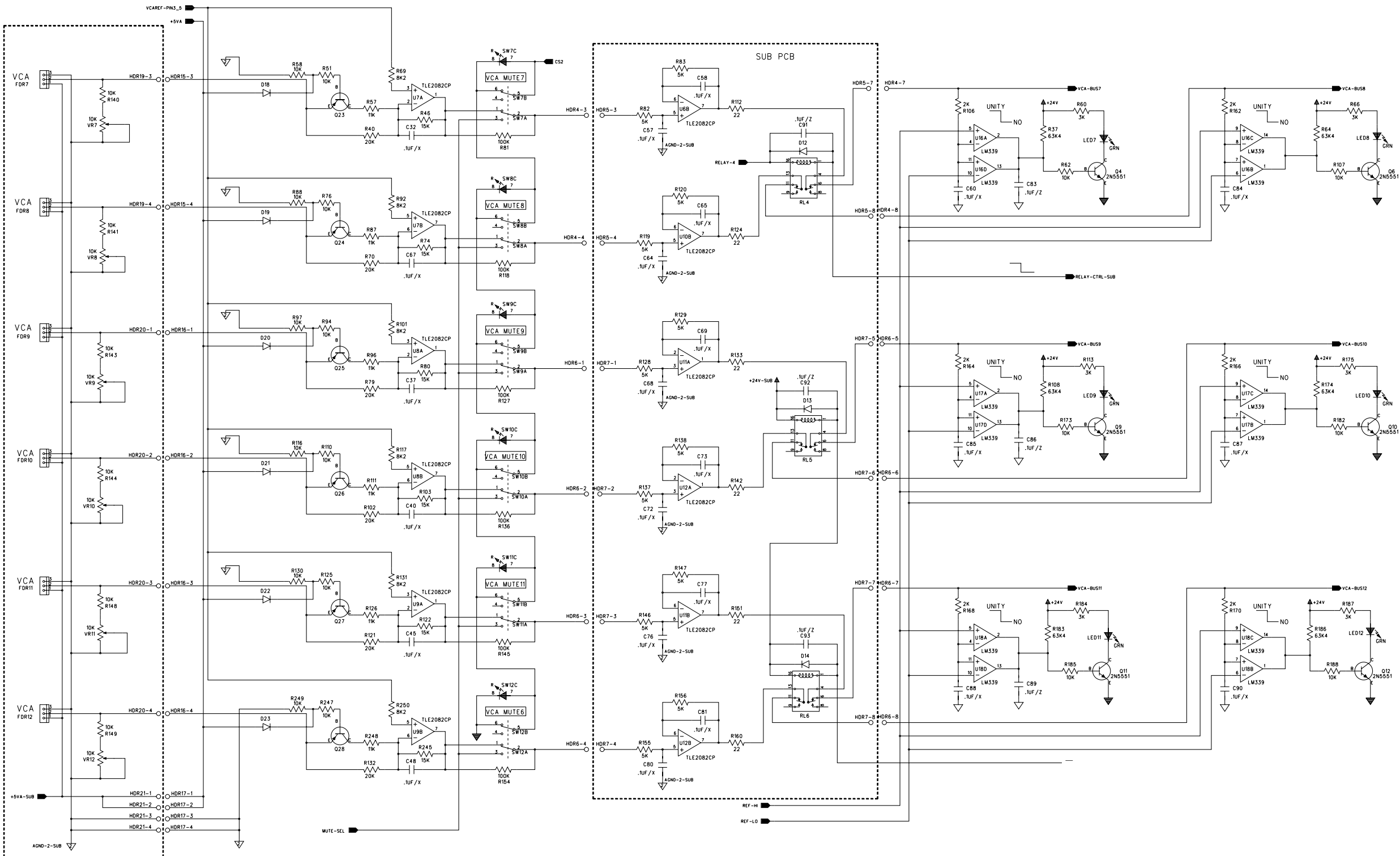


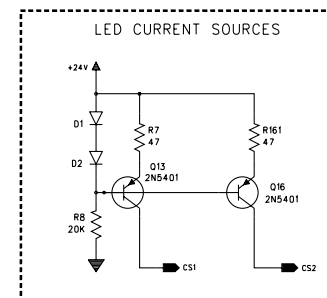
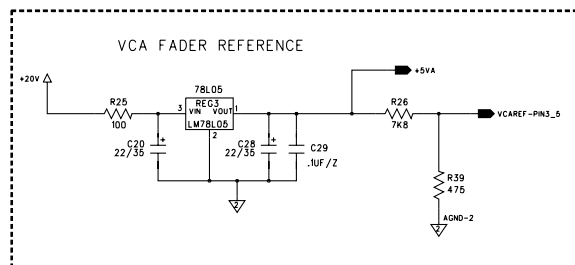
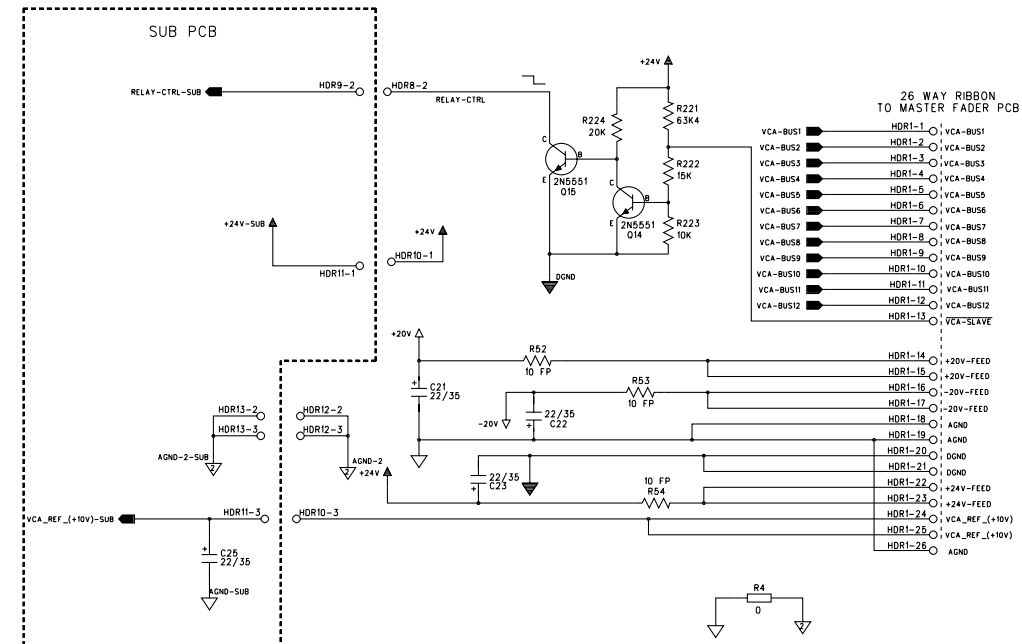
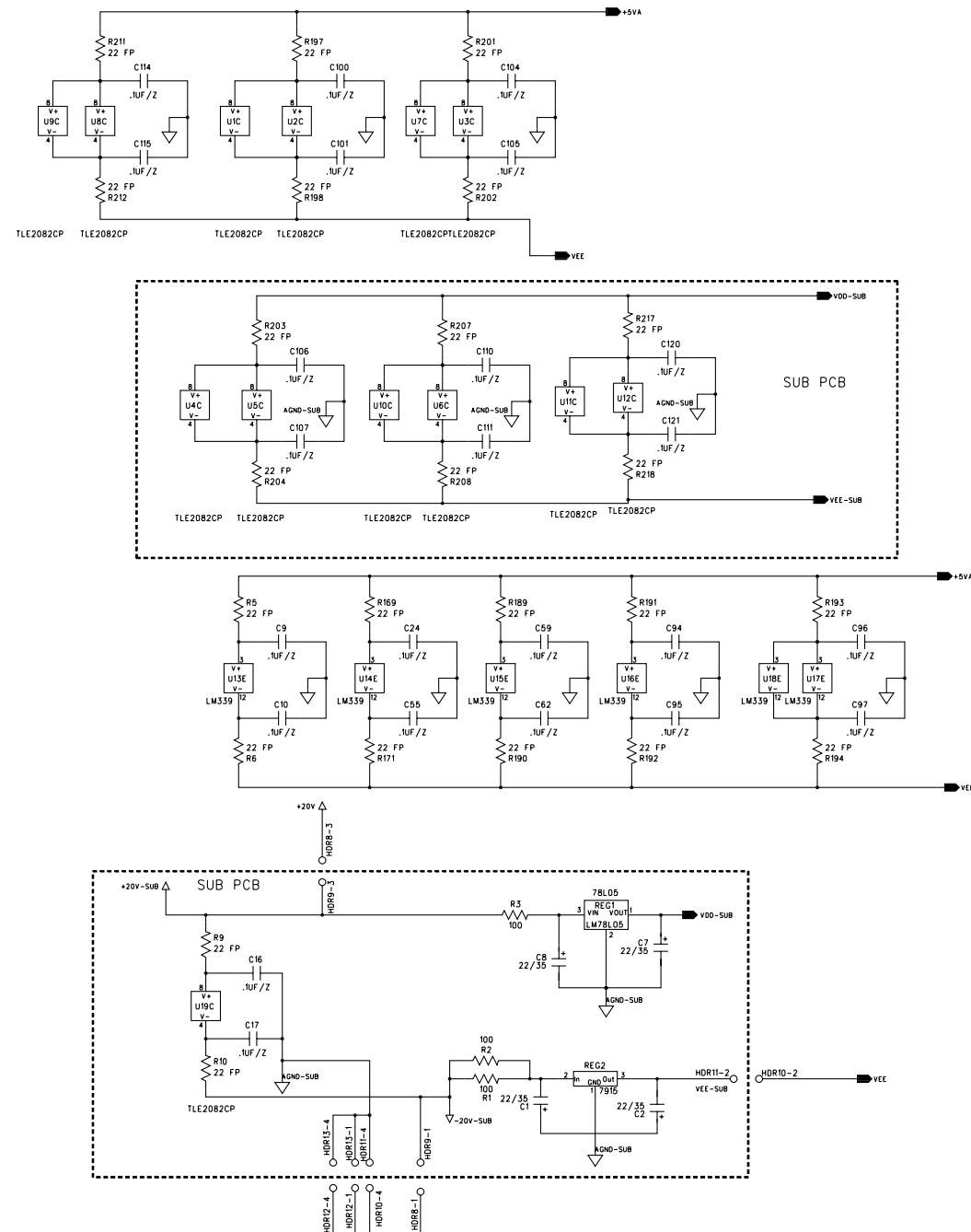


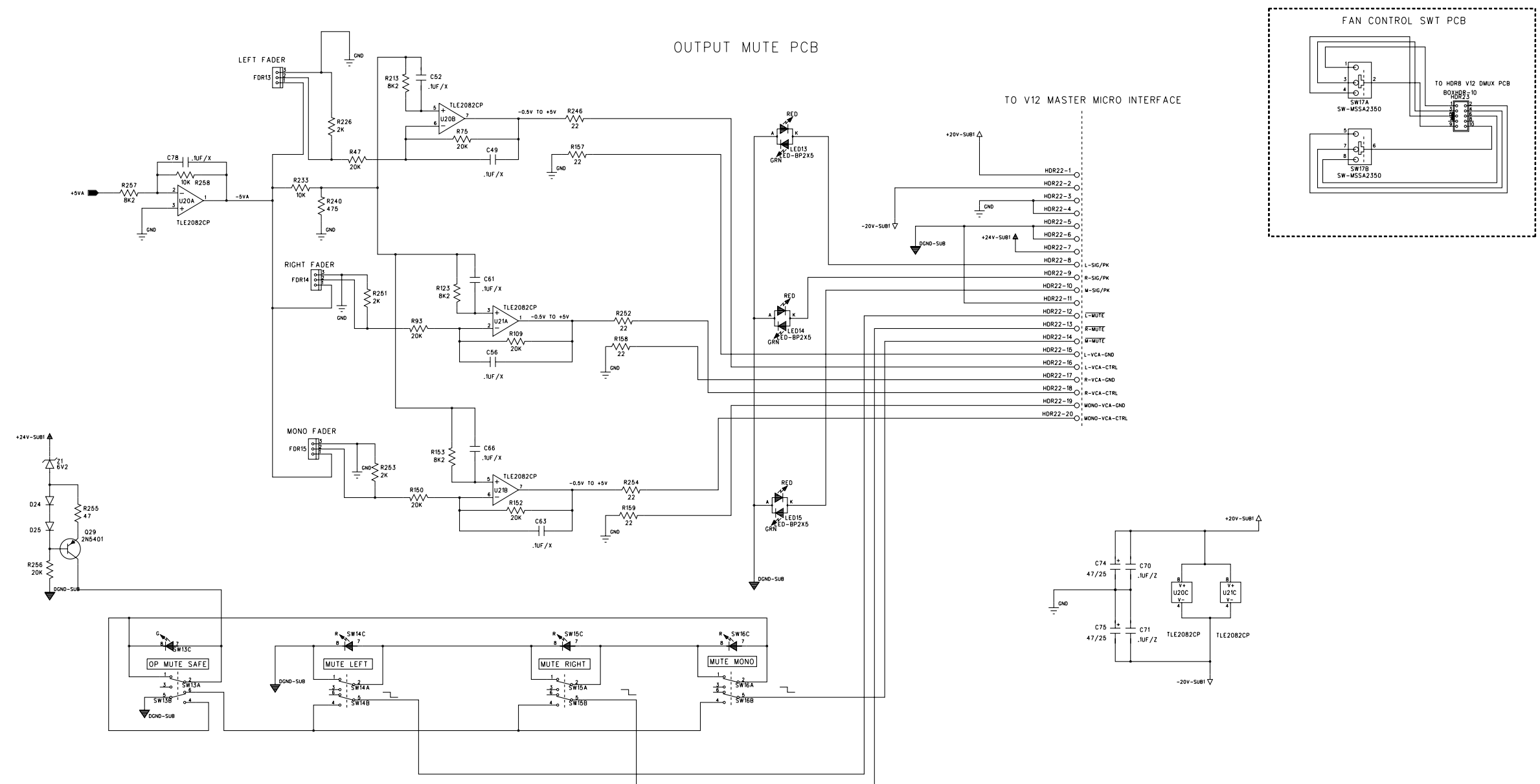


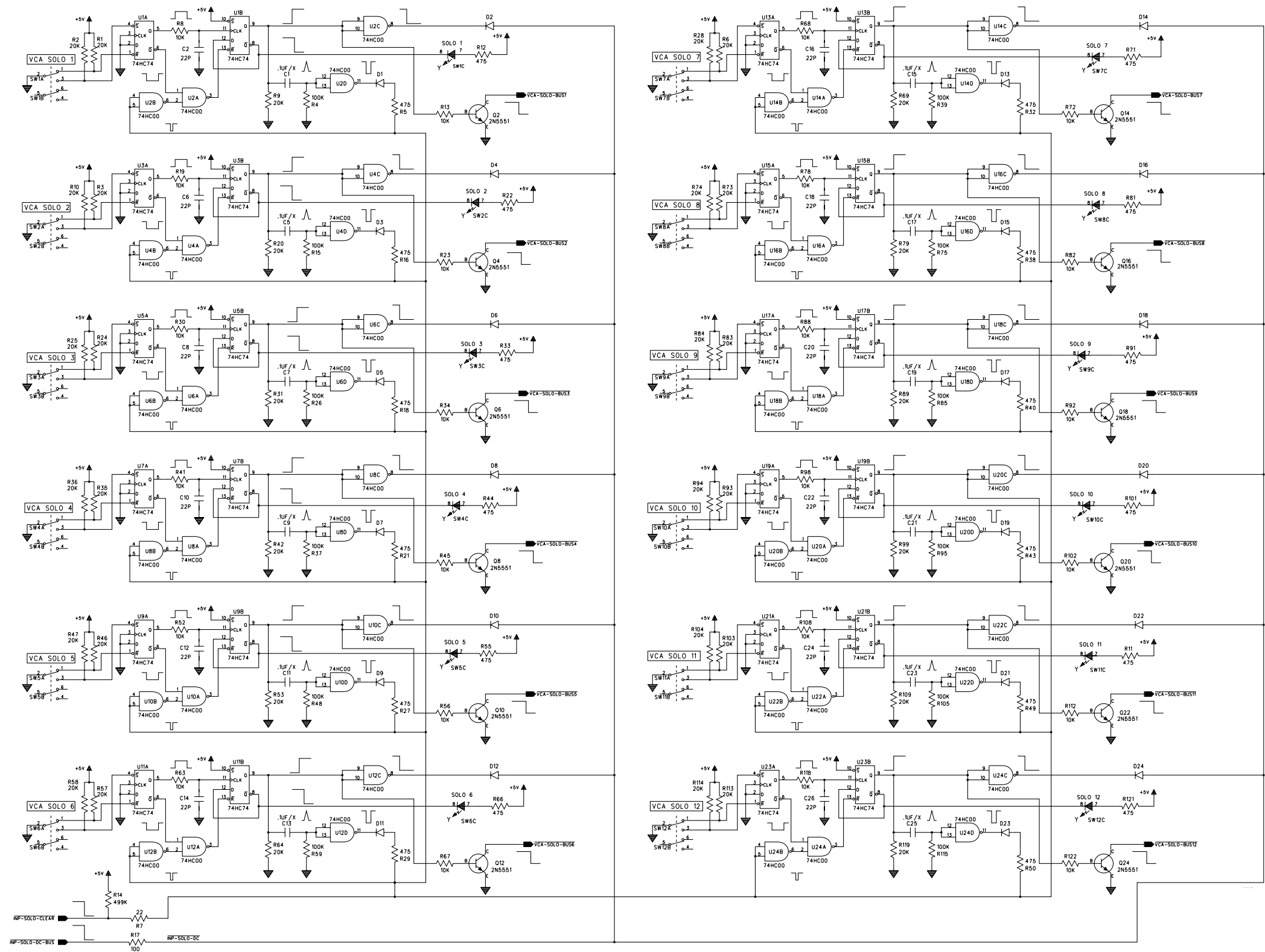


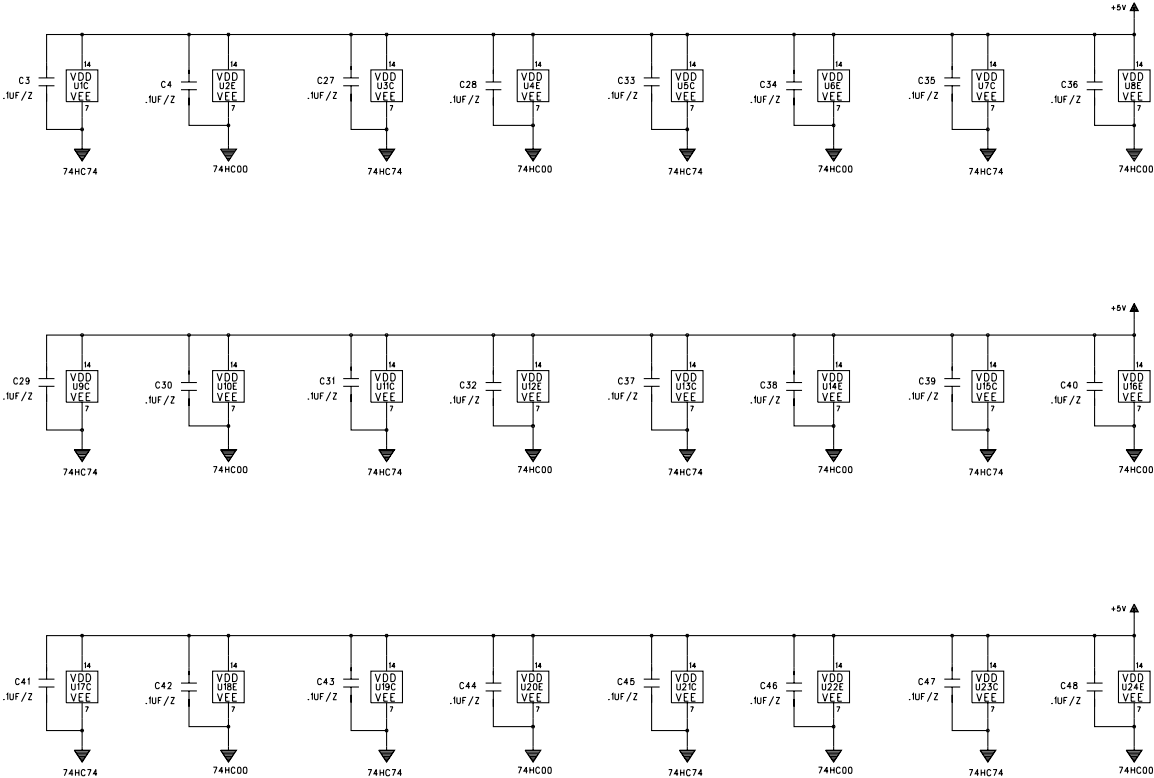




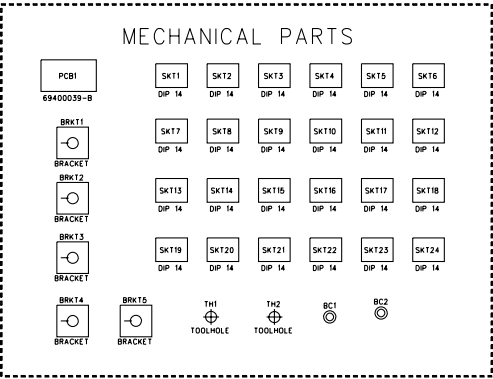
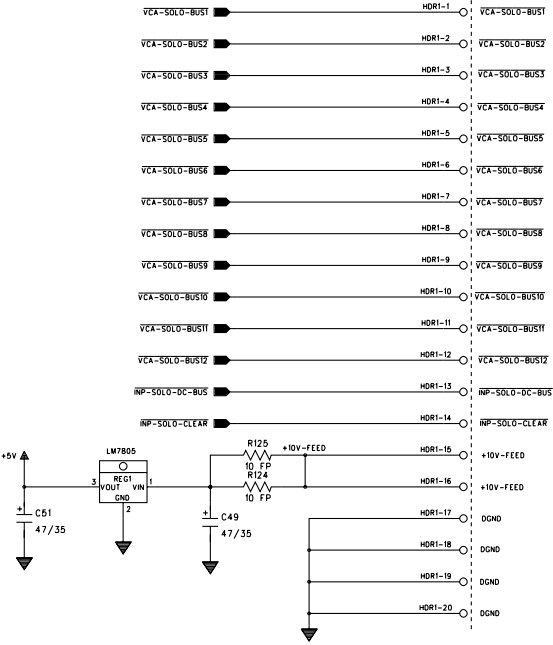


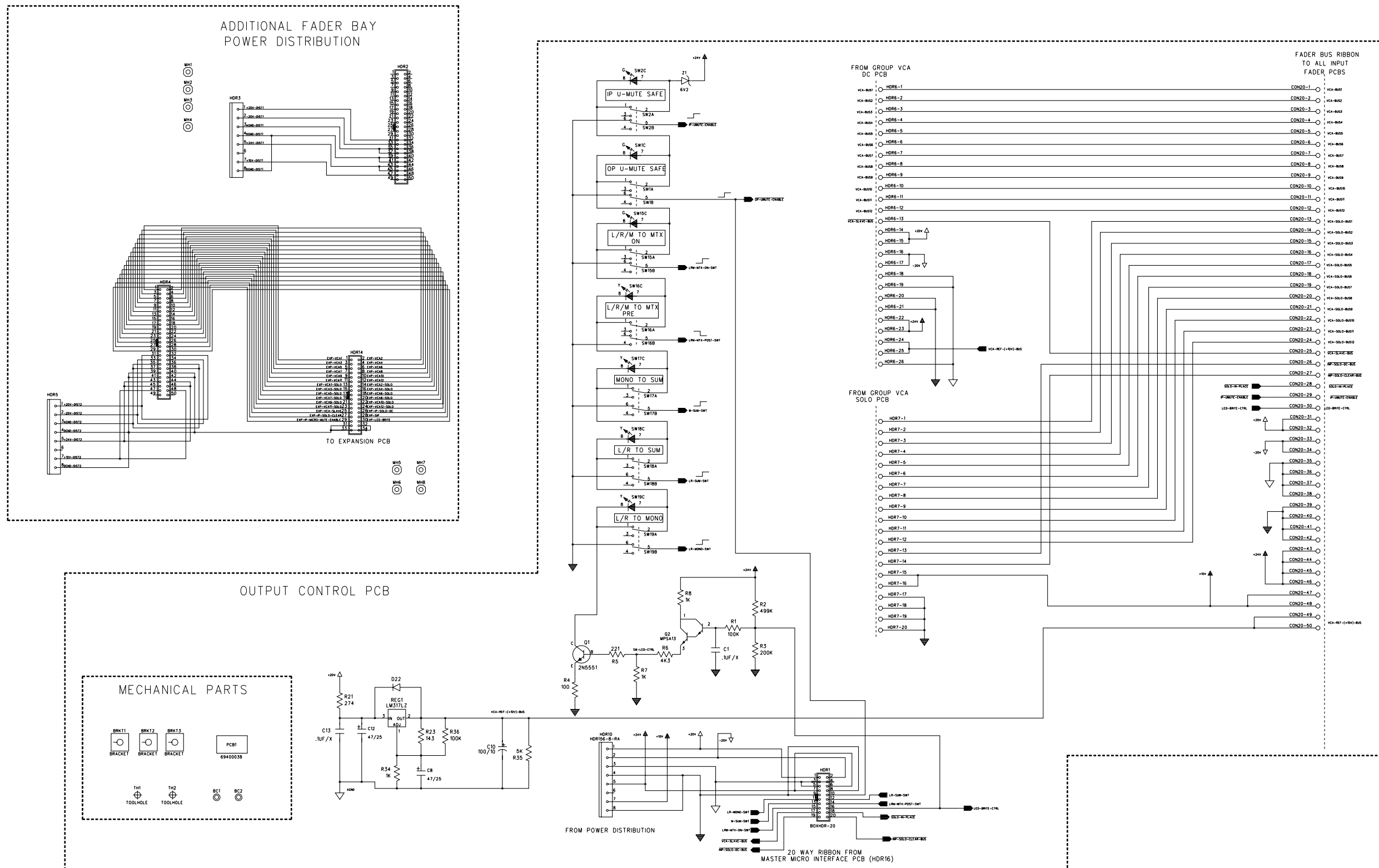


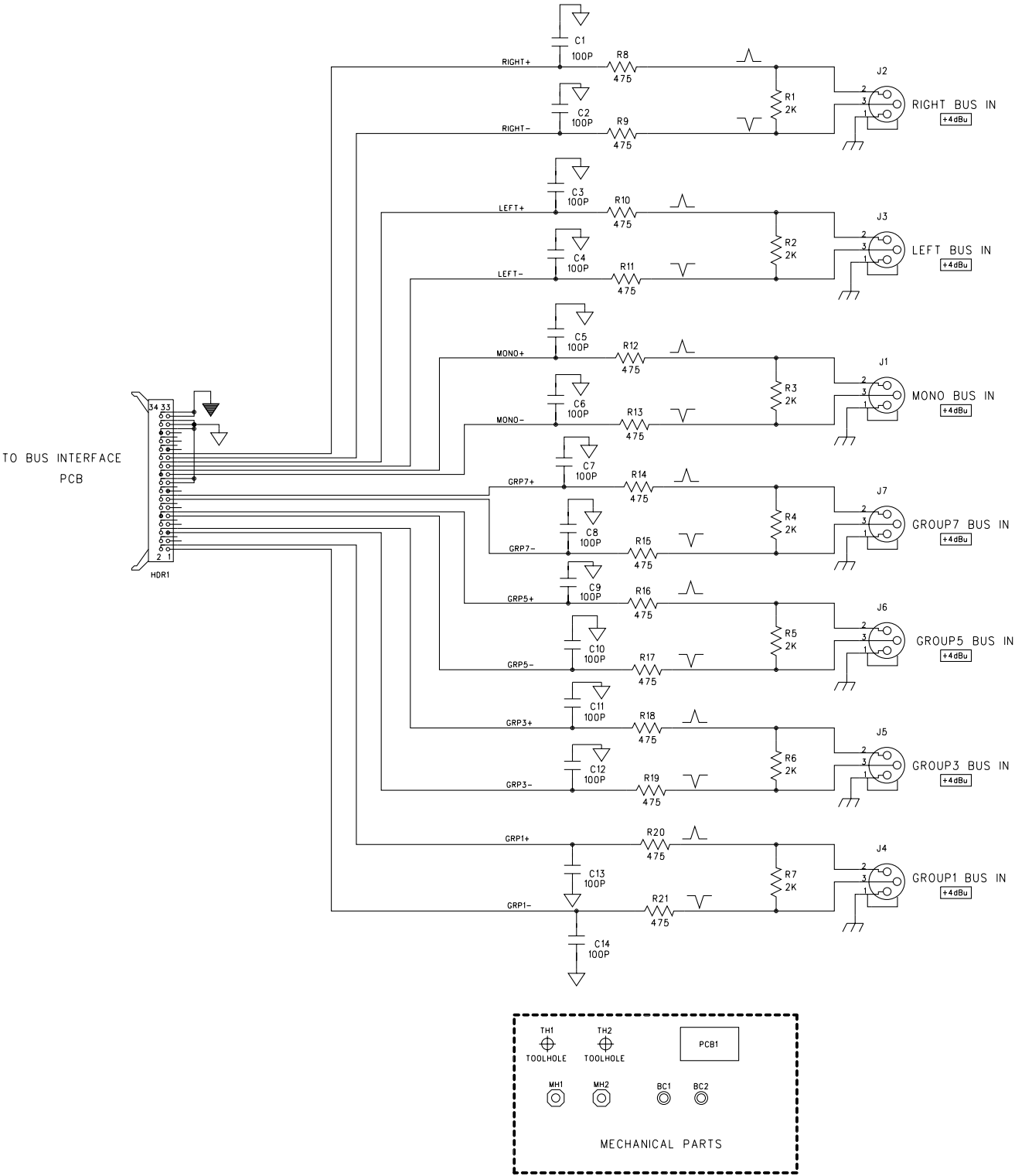


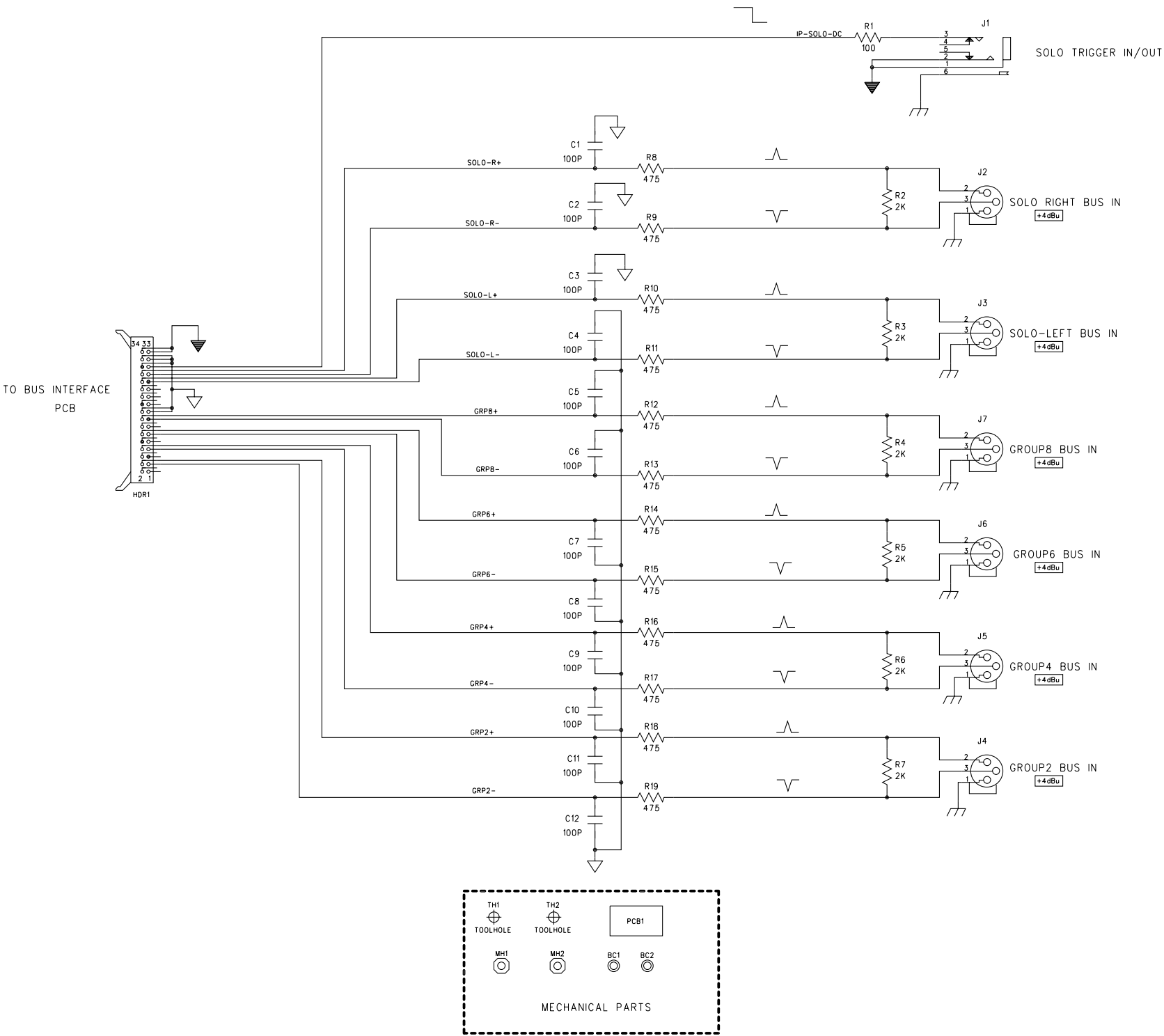


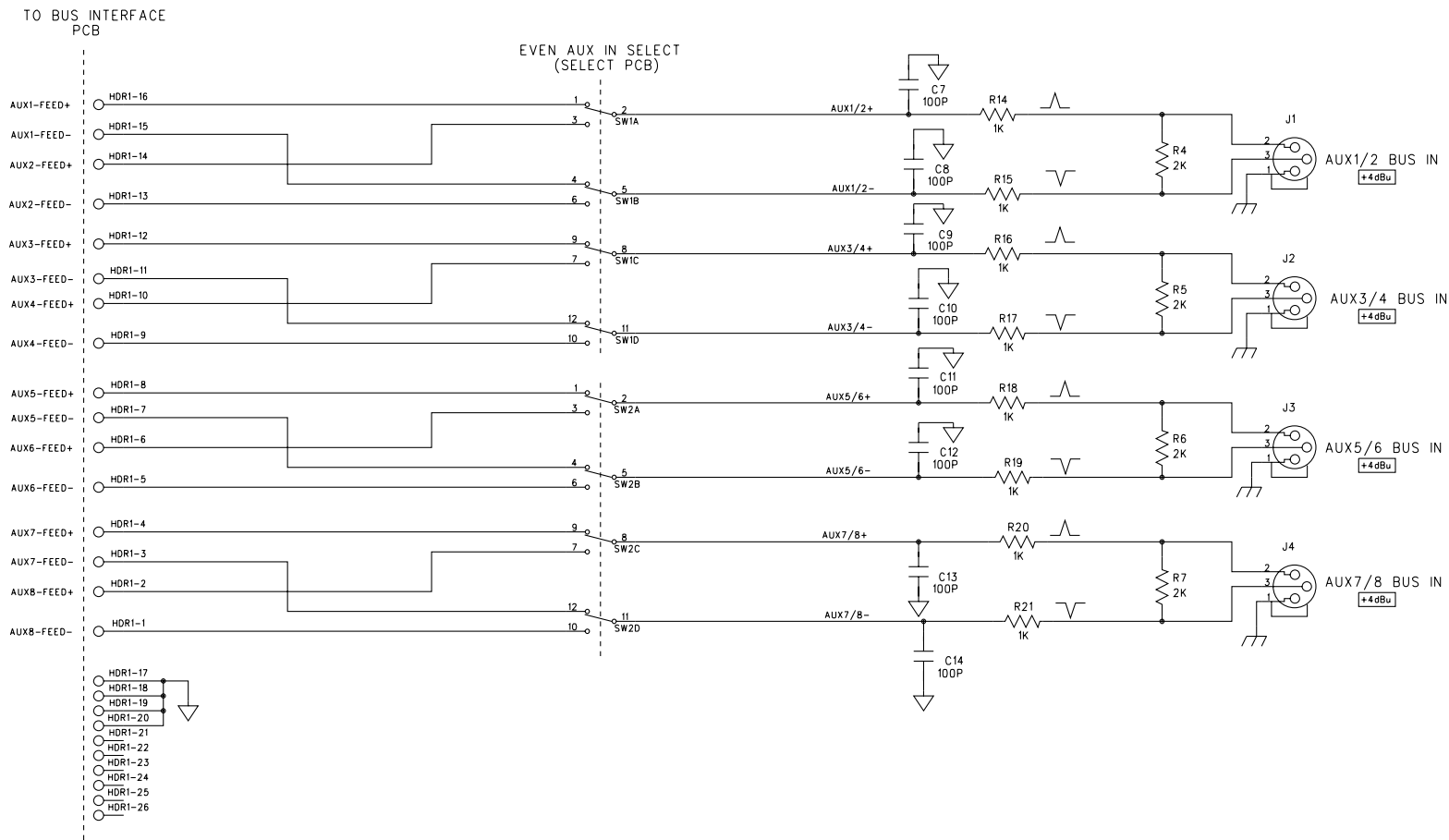
20 WAY RIBBON
TO MASTER FADER PCB

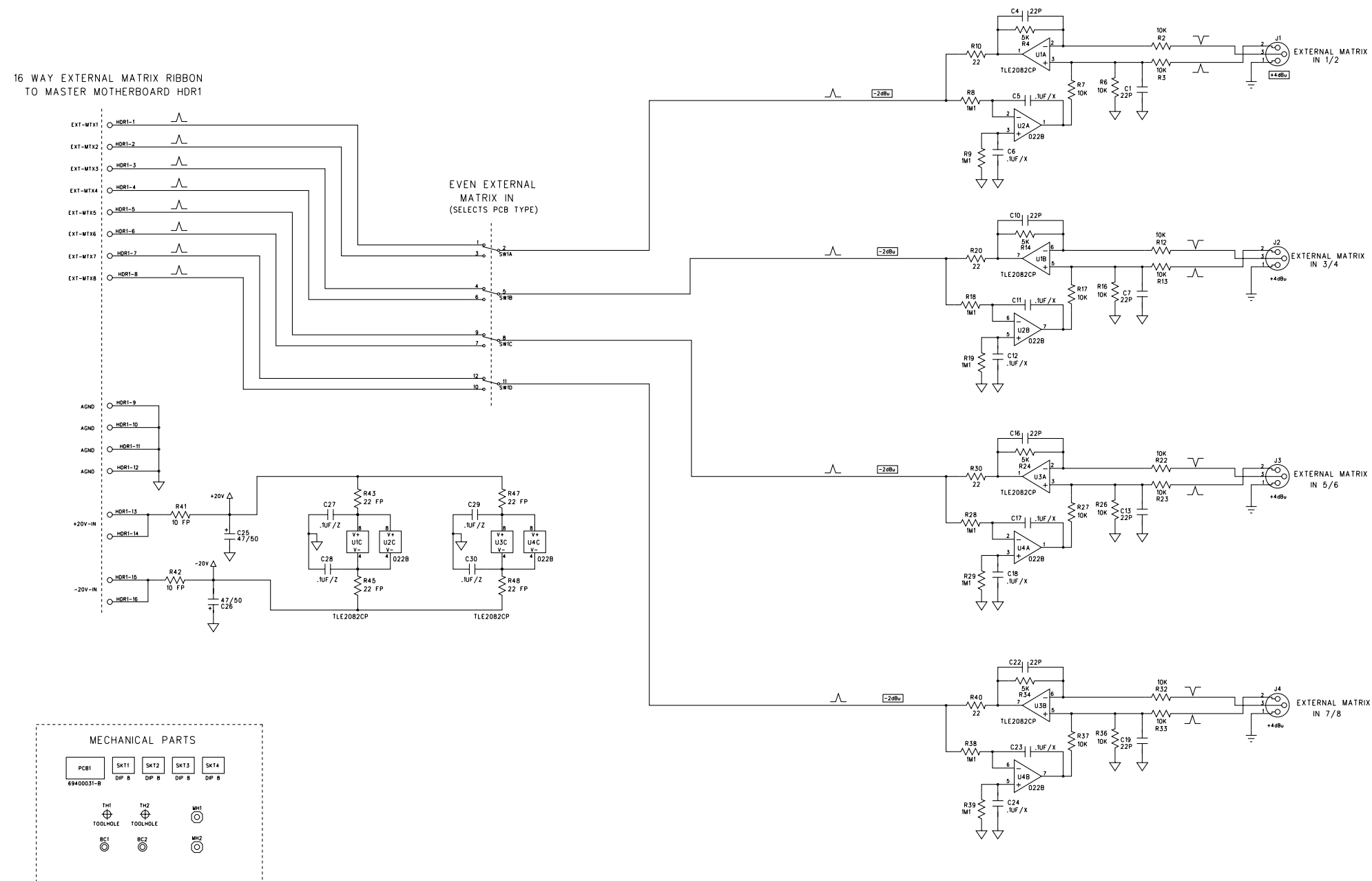




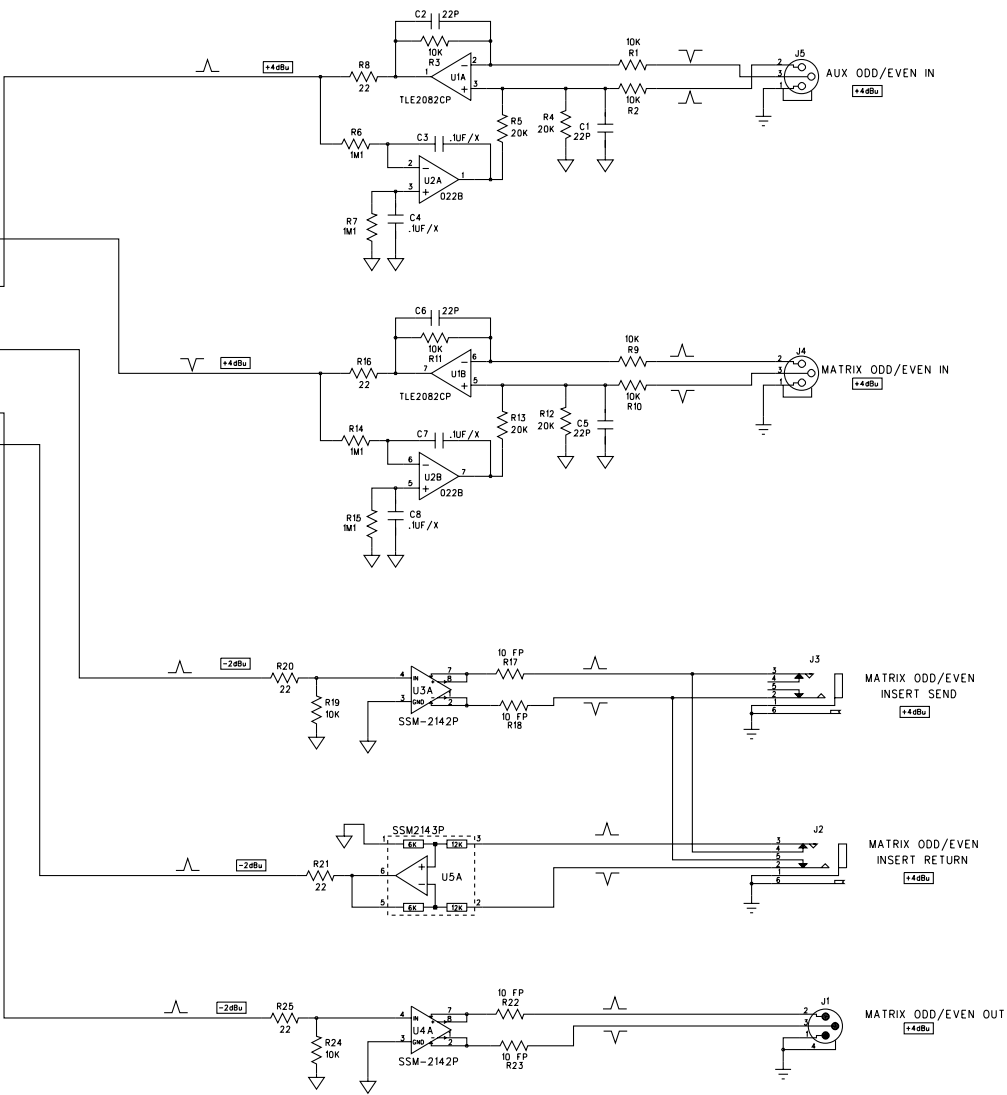
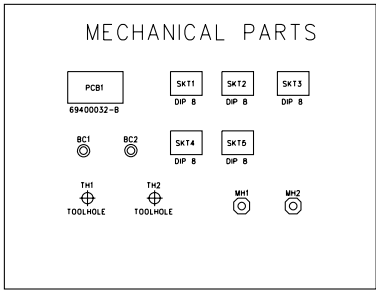
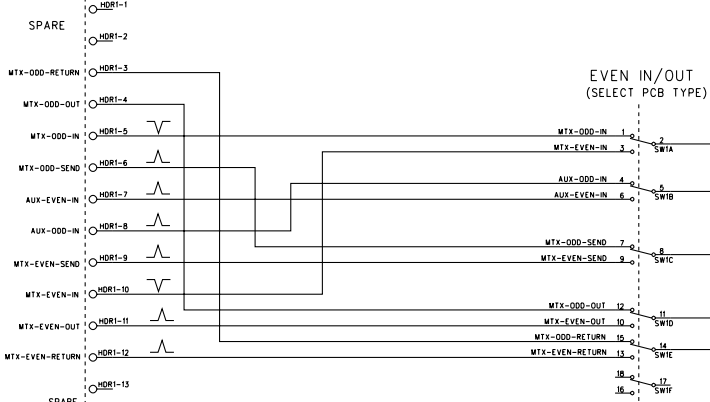


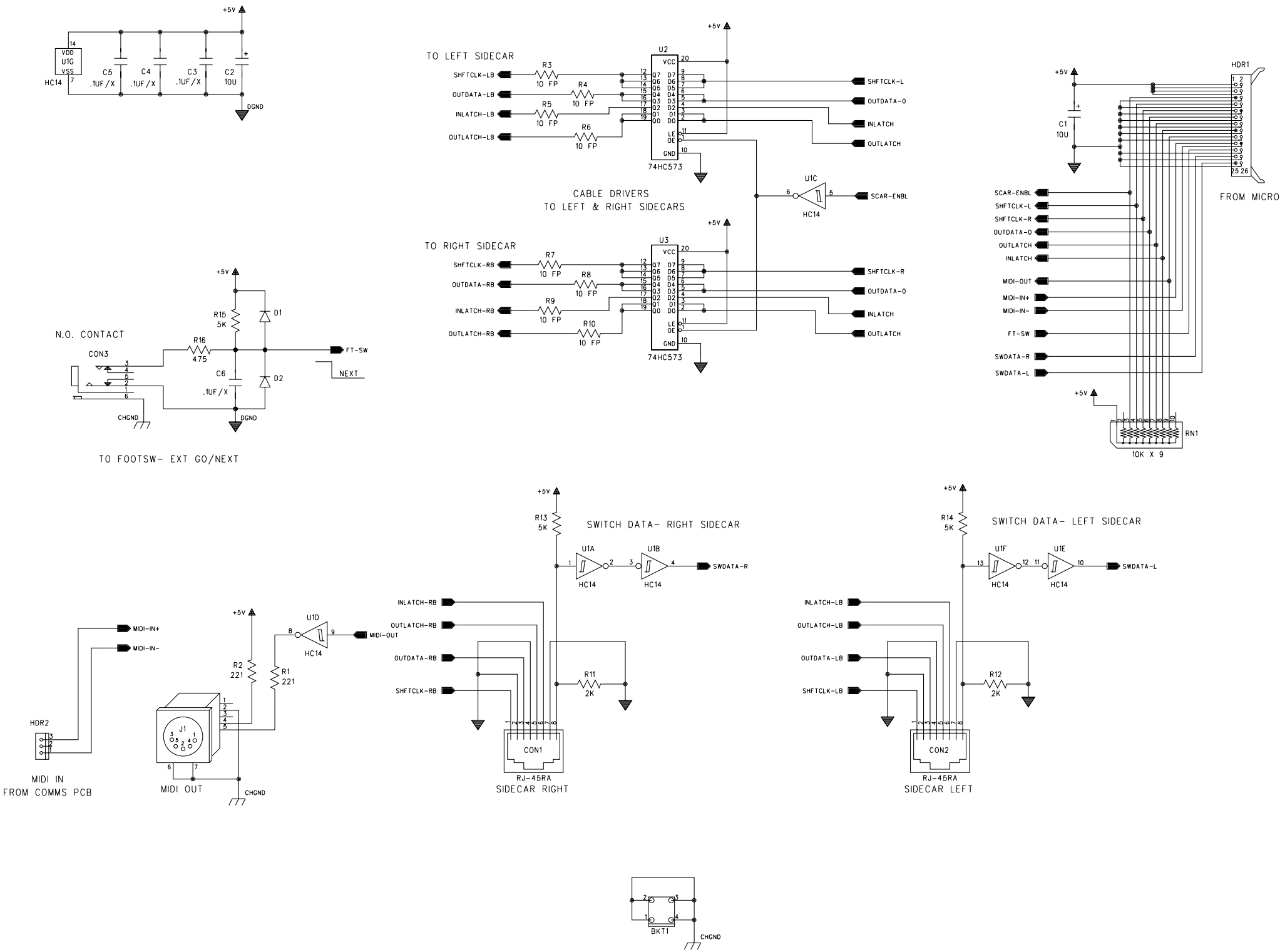


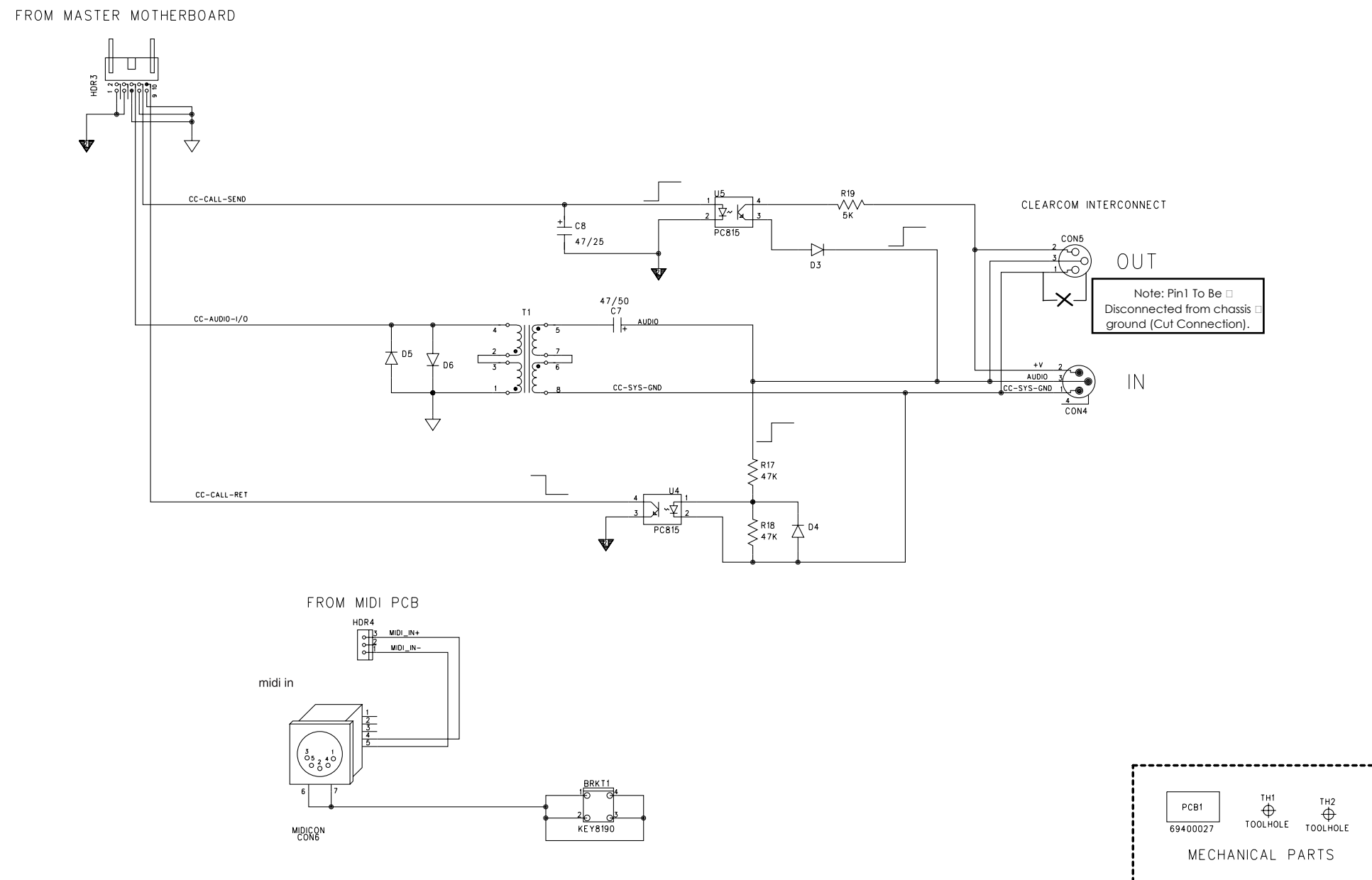


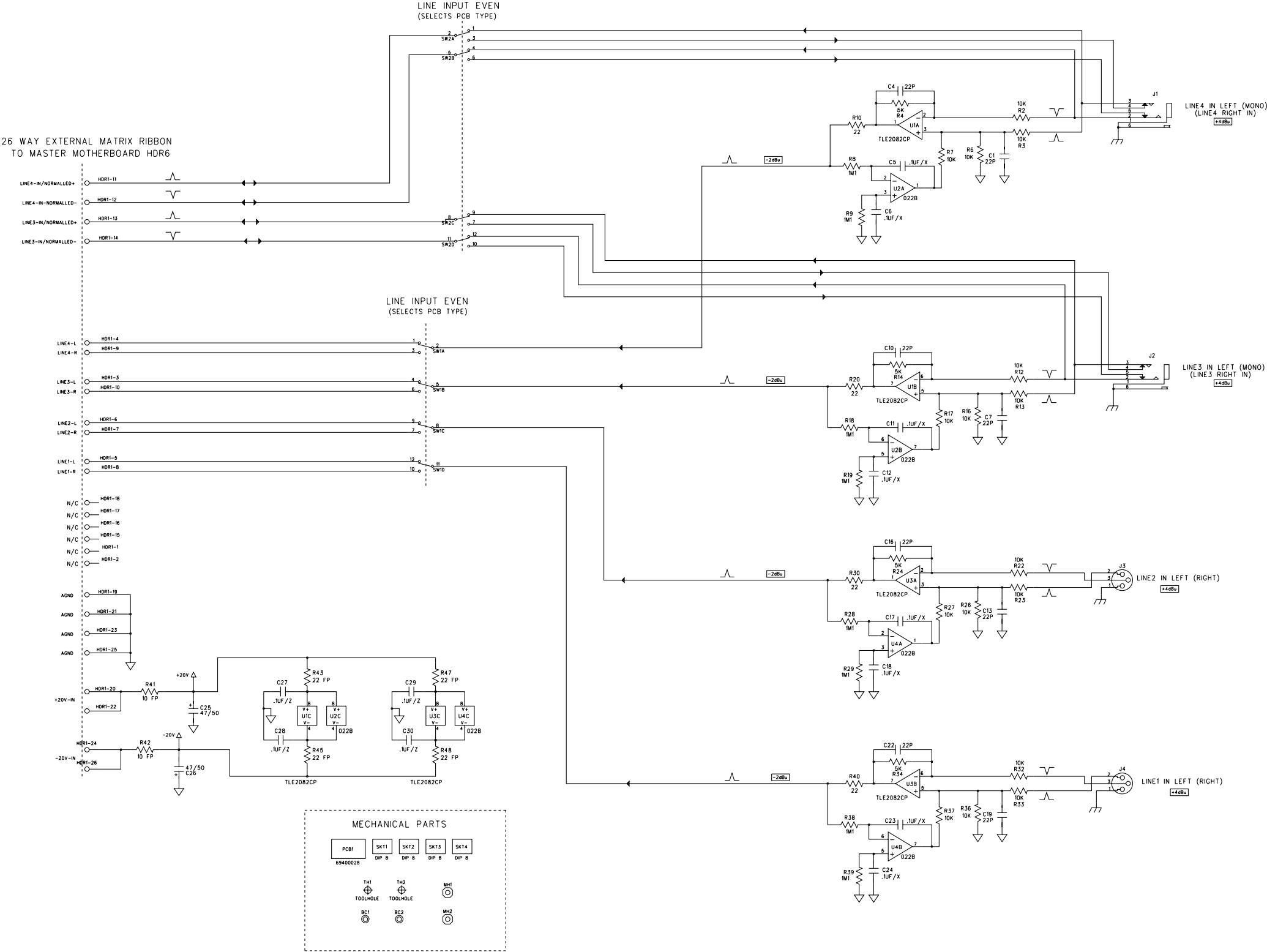


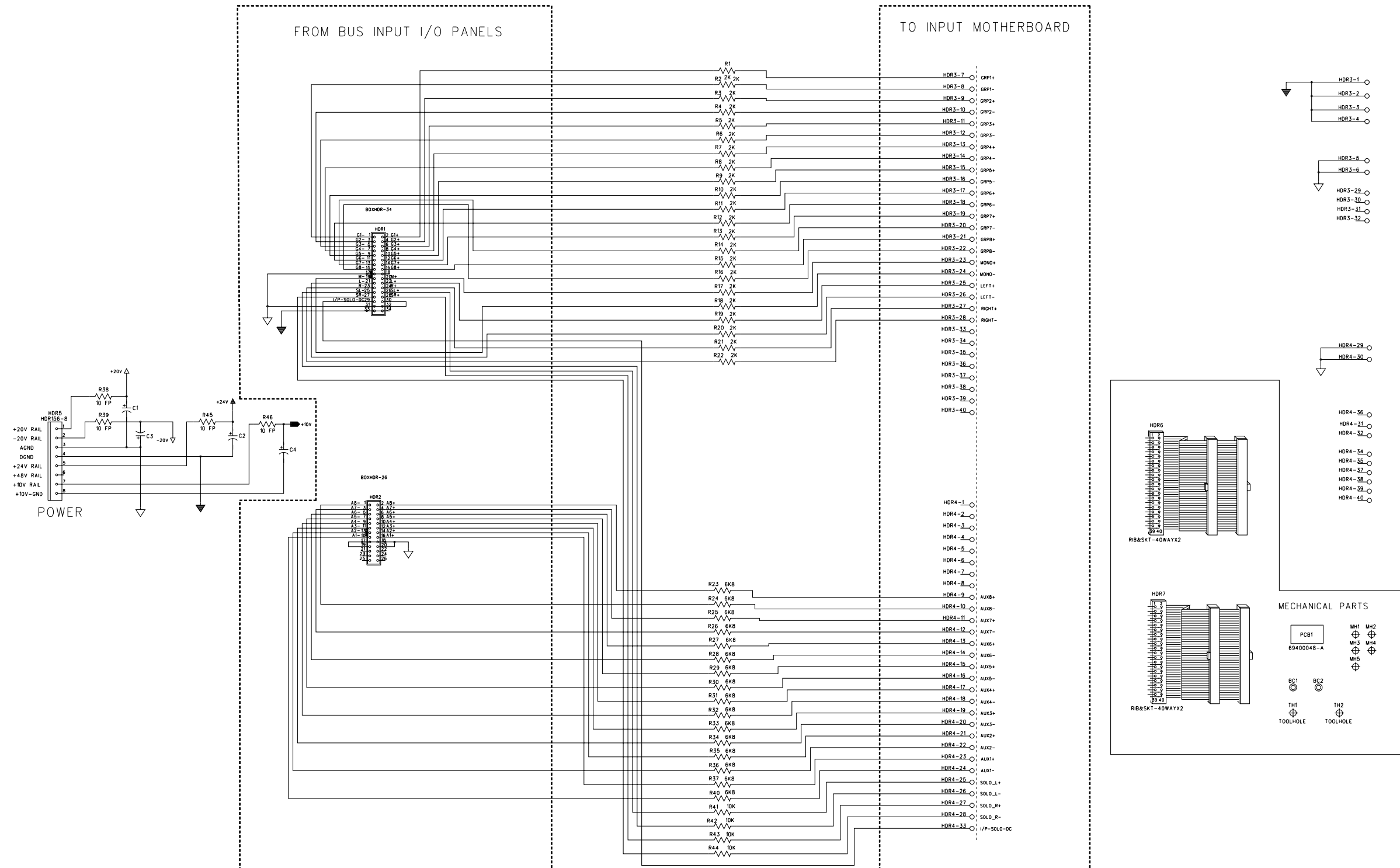
26 WAY OUTPUT MODULE
INTERFACE PCB TO MASTER
MOTHERBOARD HDR2/HDR3/HDR4/HDR5

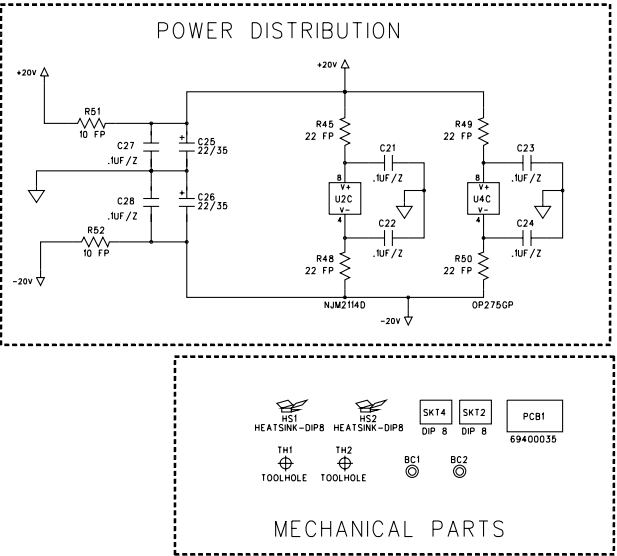
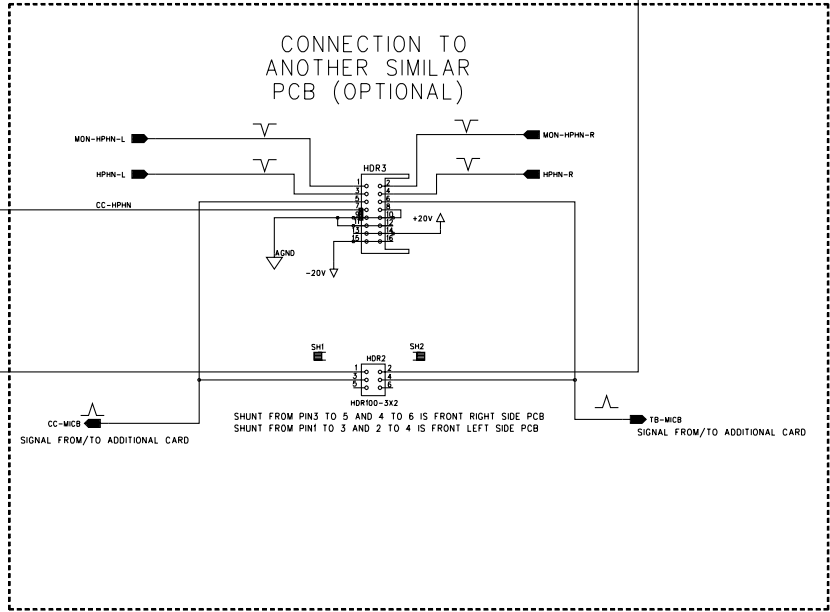
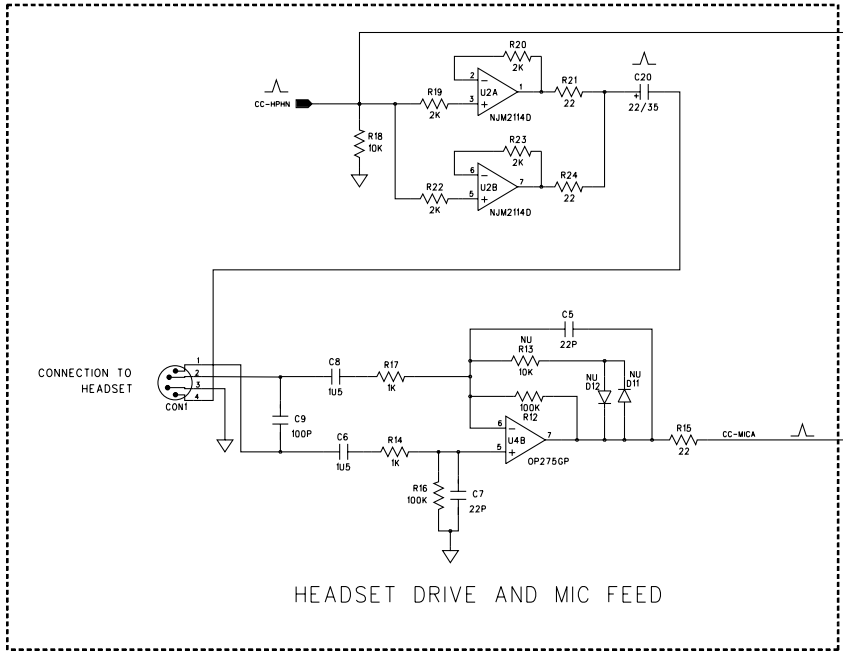
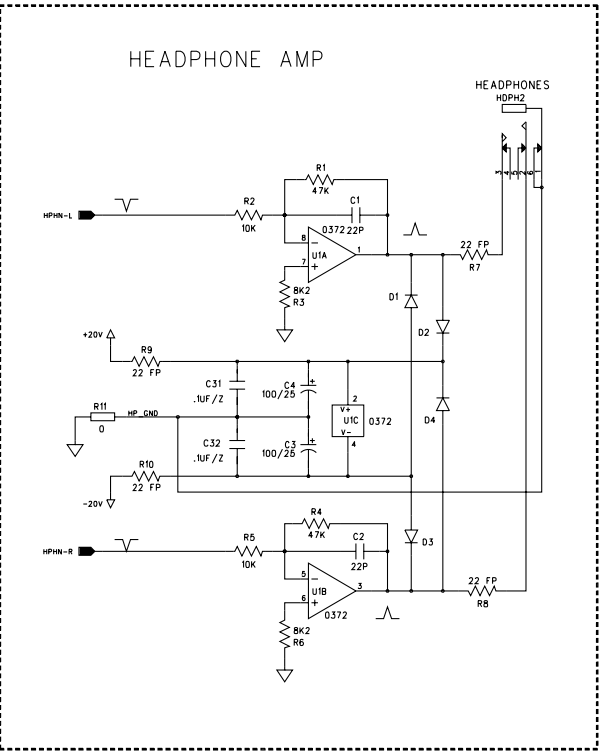
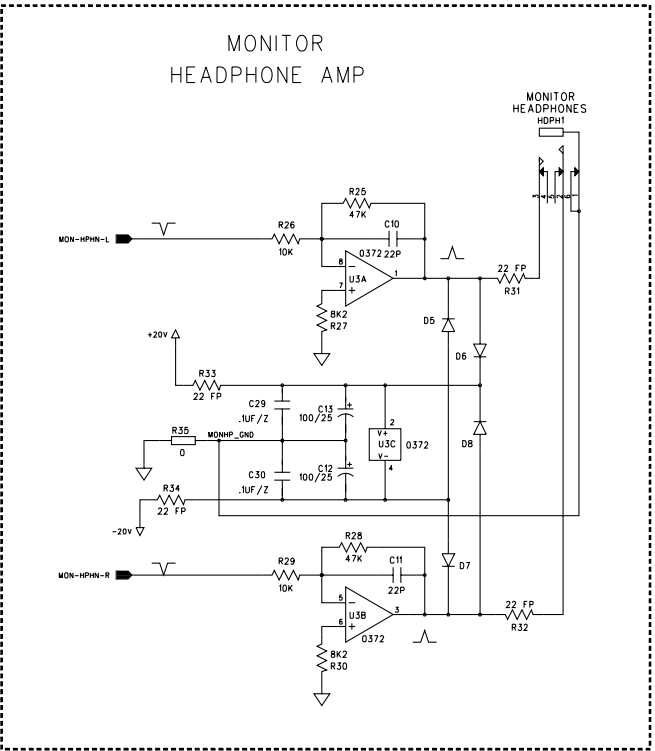
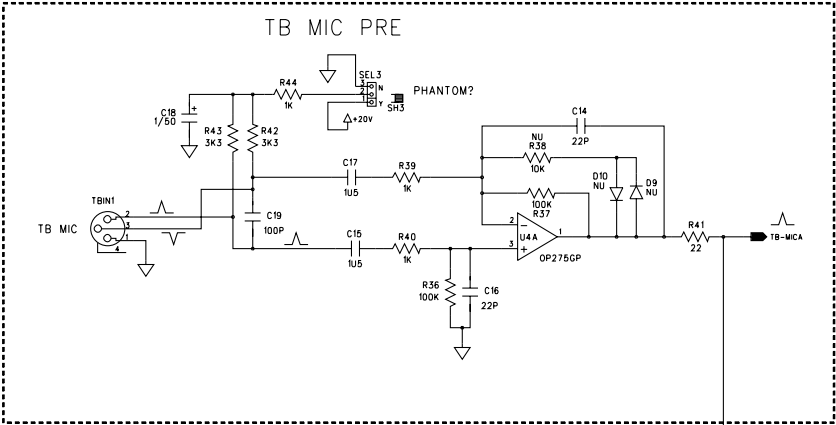
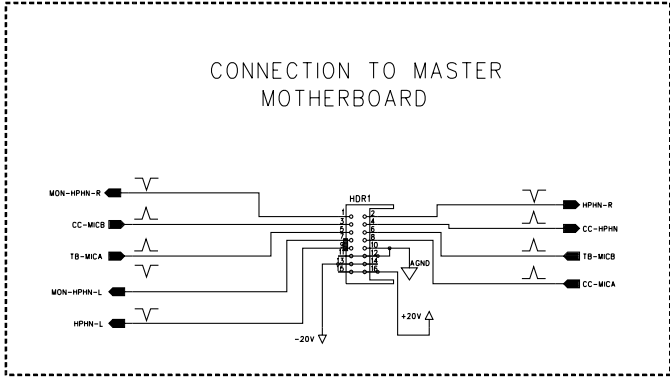




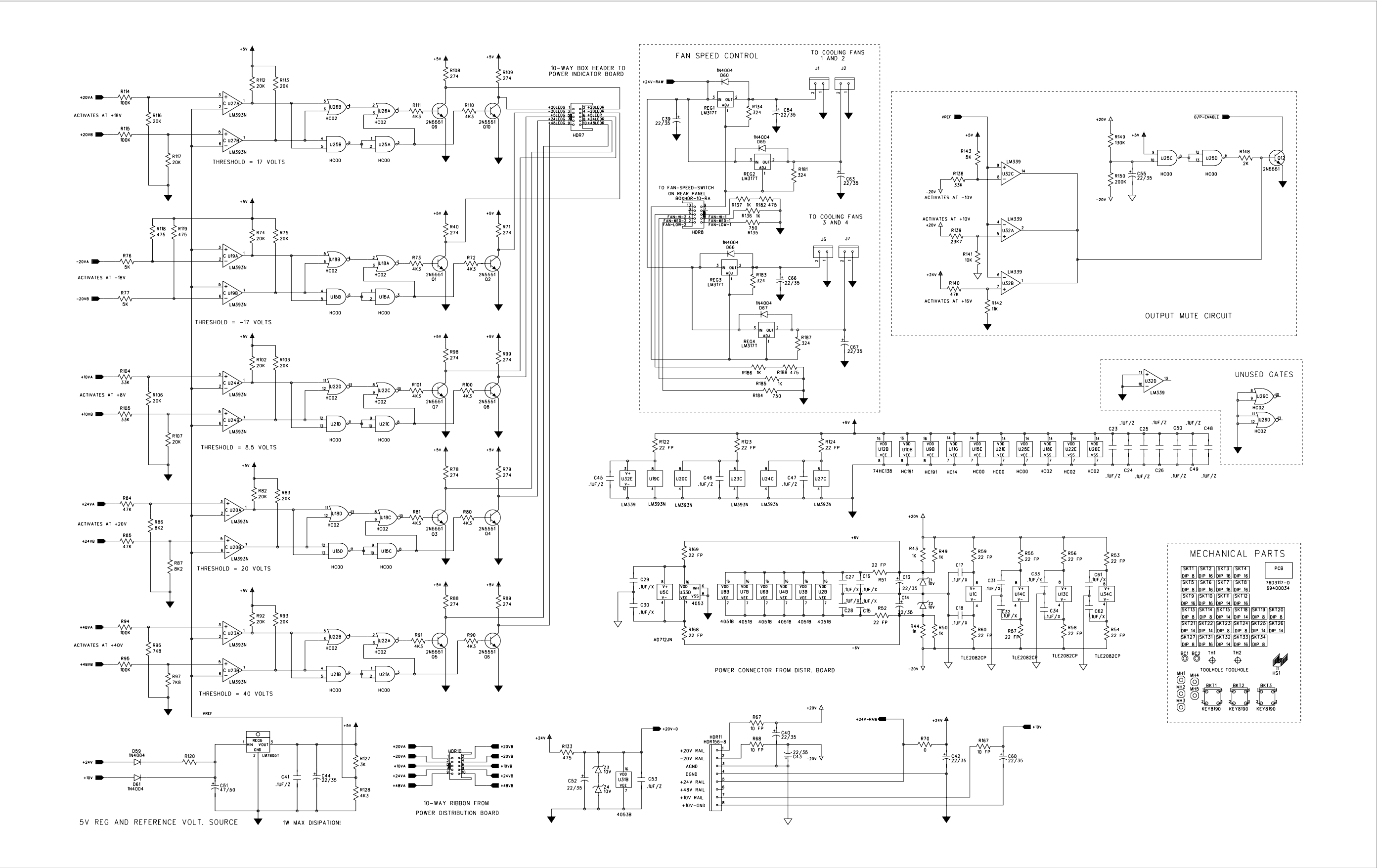


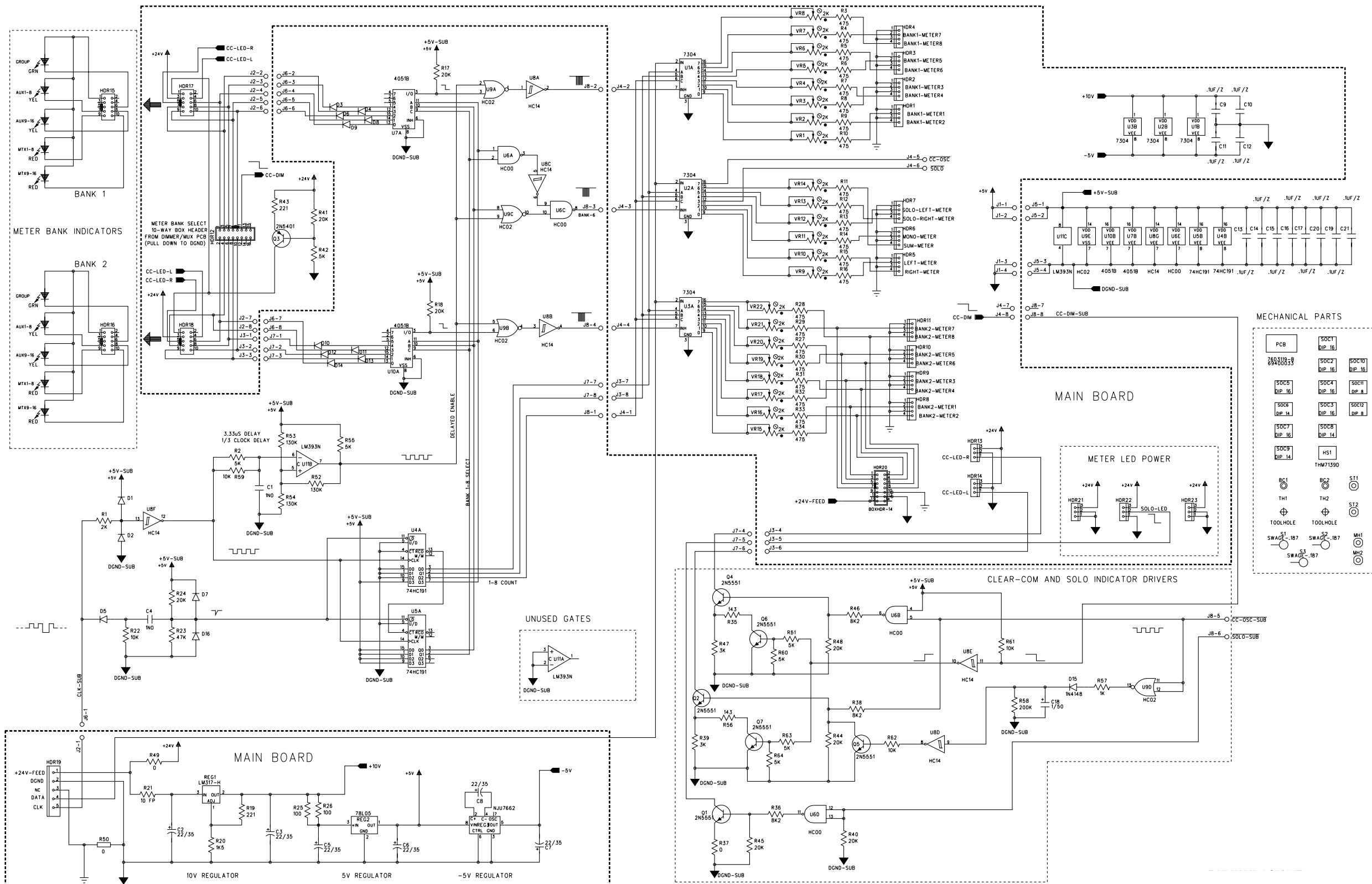


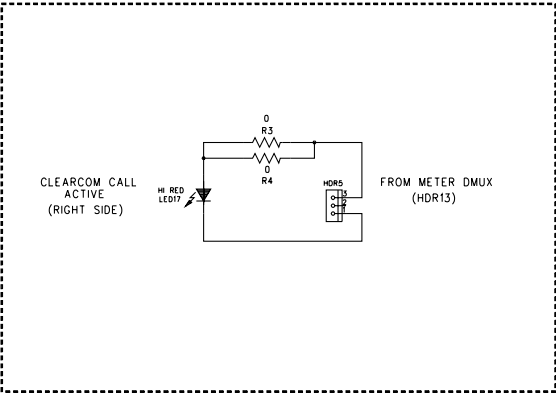
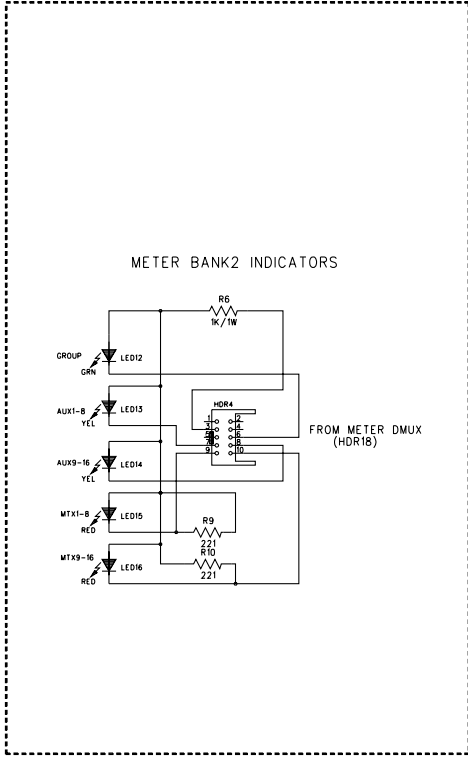
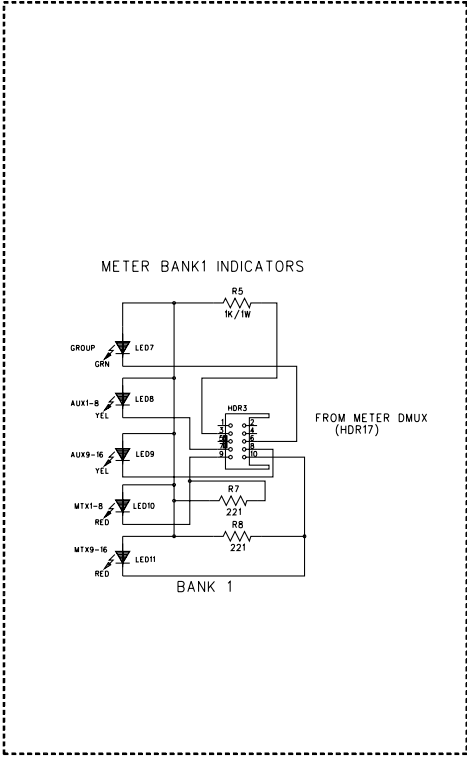
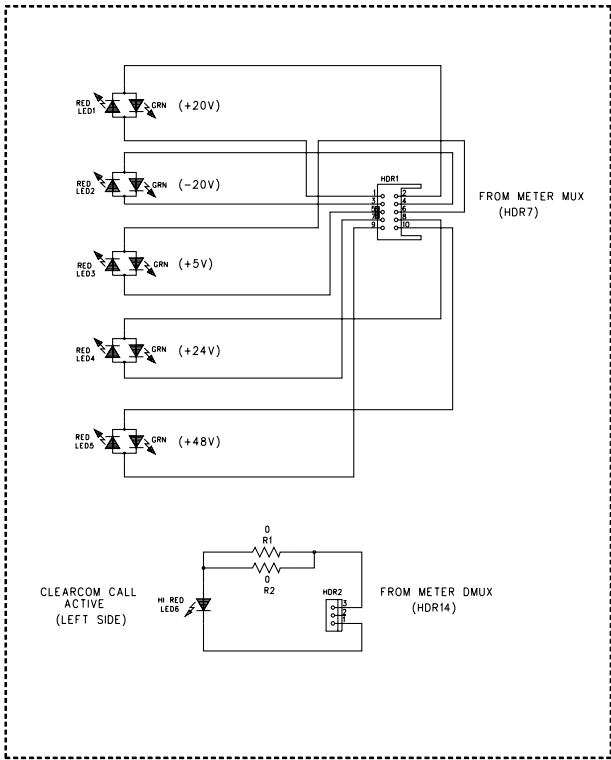




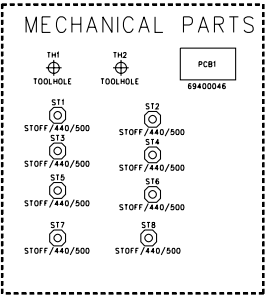


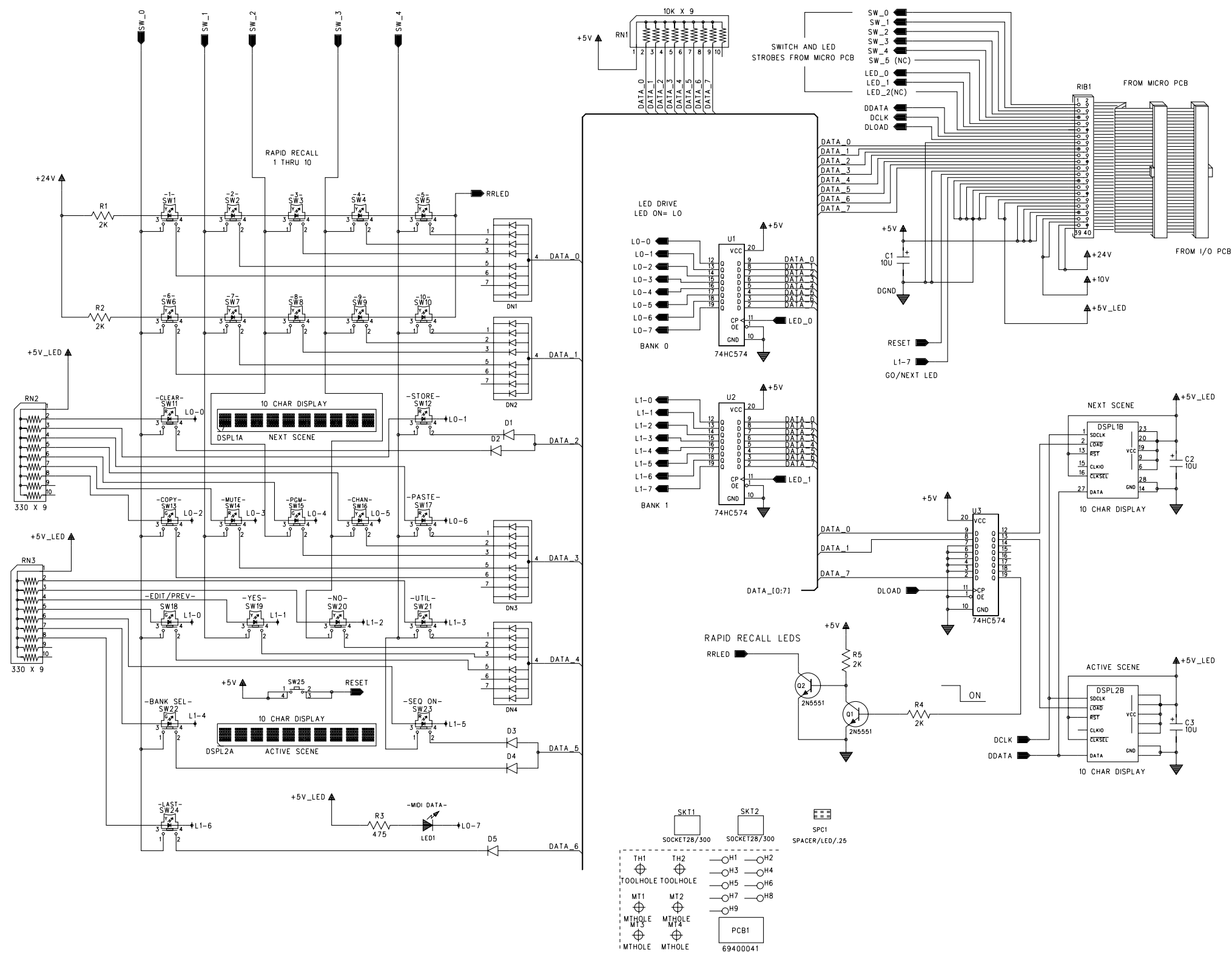


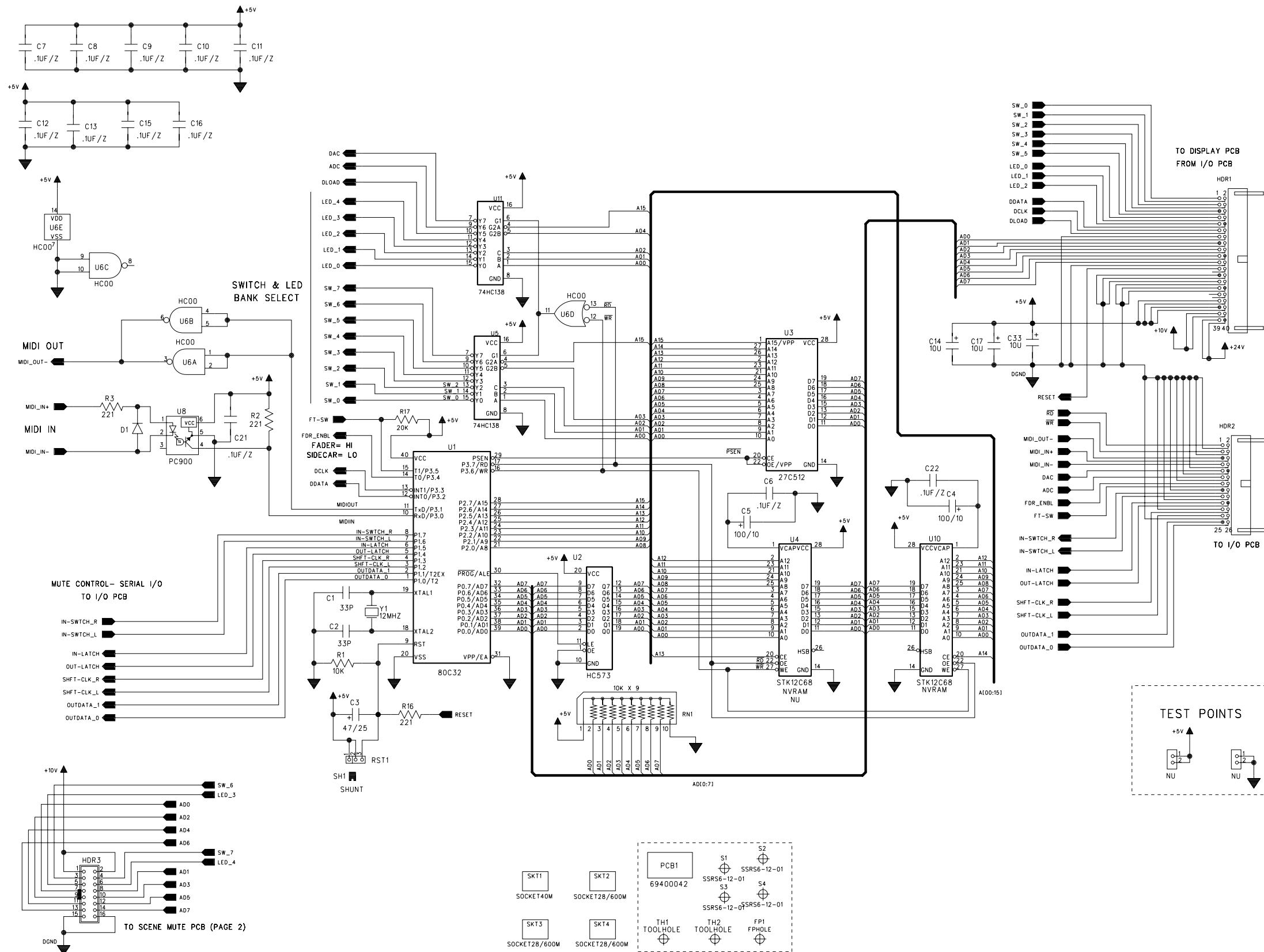


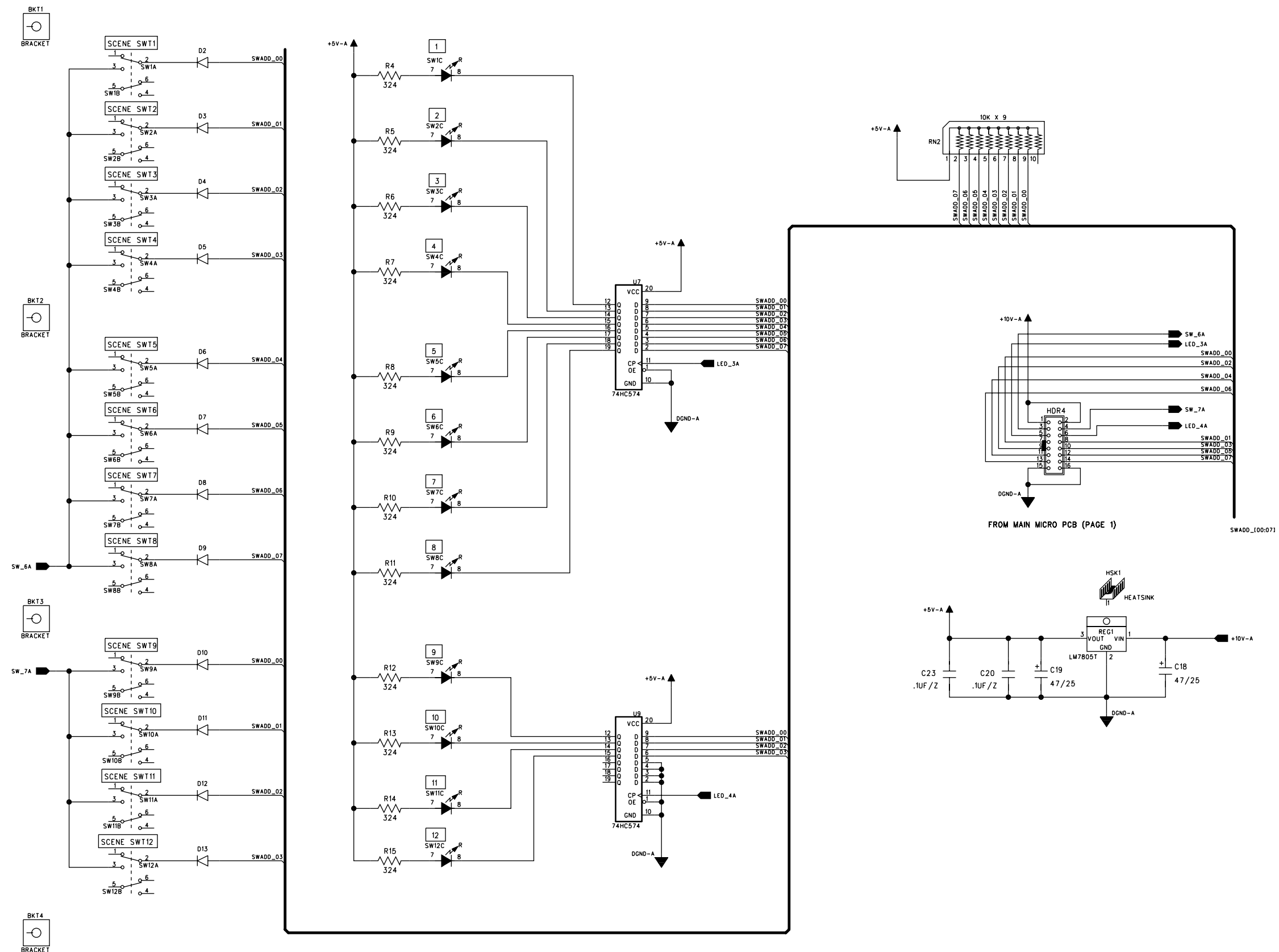


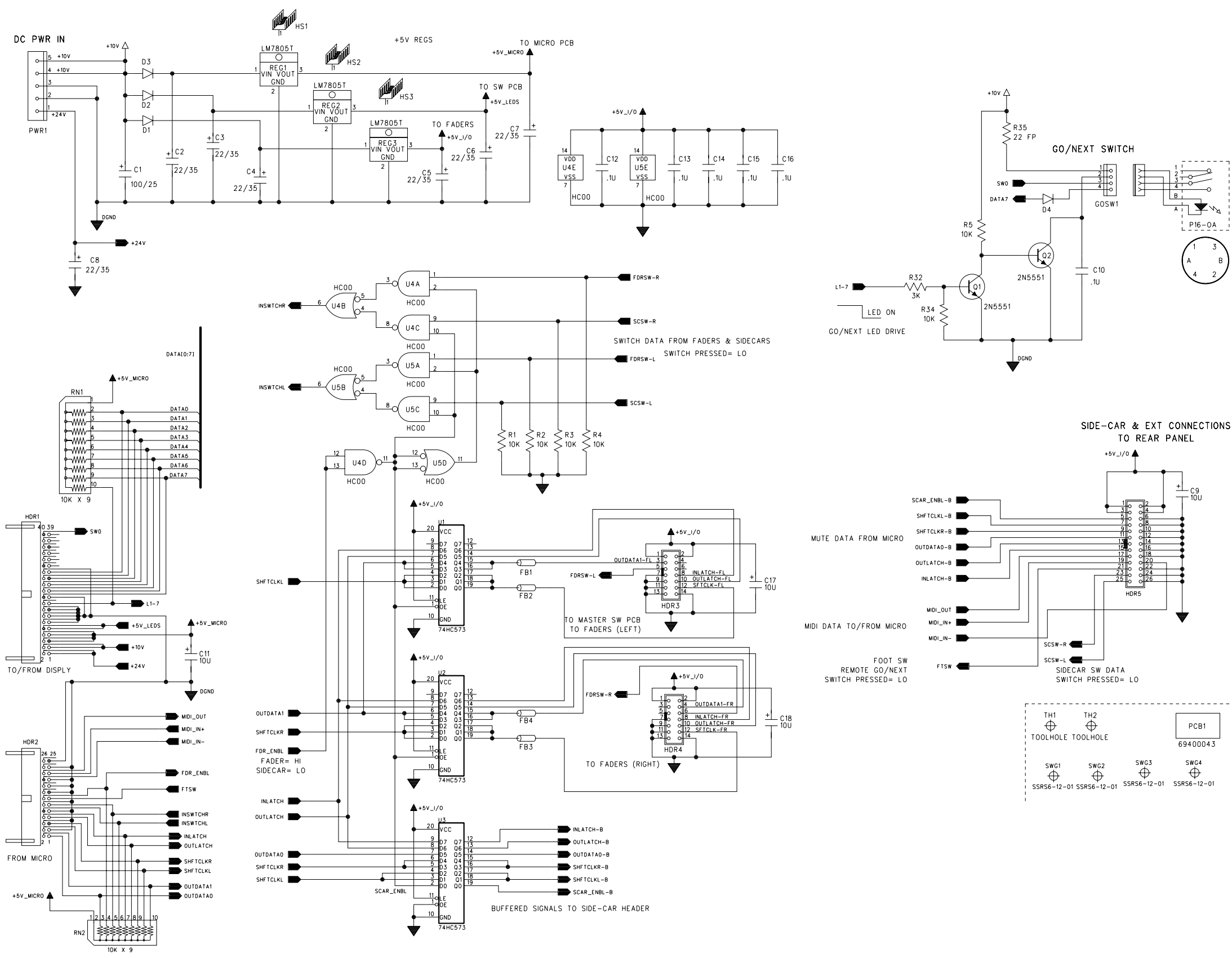
REVISION RECORD					
REV LEVEL	ASMBLY LEVEL	DATE	DCO	ENG.	DESCRIPTION
B	A	2/4/99	886	TAZ	REVA TO REVb CHANGE. TO HAVE THE METER BANK SELECT DERIVE IT'S CURRENT LOCALLY AND NOT FROM A INSUFFICIENT CURRENT SOURCE LOCATED ON METER DEMUX PCB. ADDED R5 & R6= 1K 1W ADDED R7- R10 = 221R

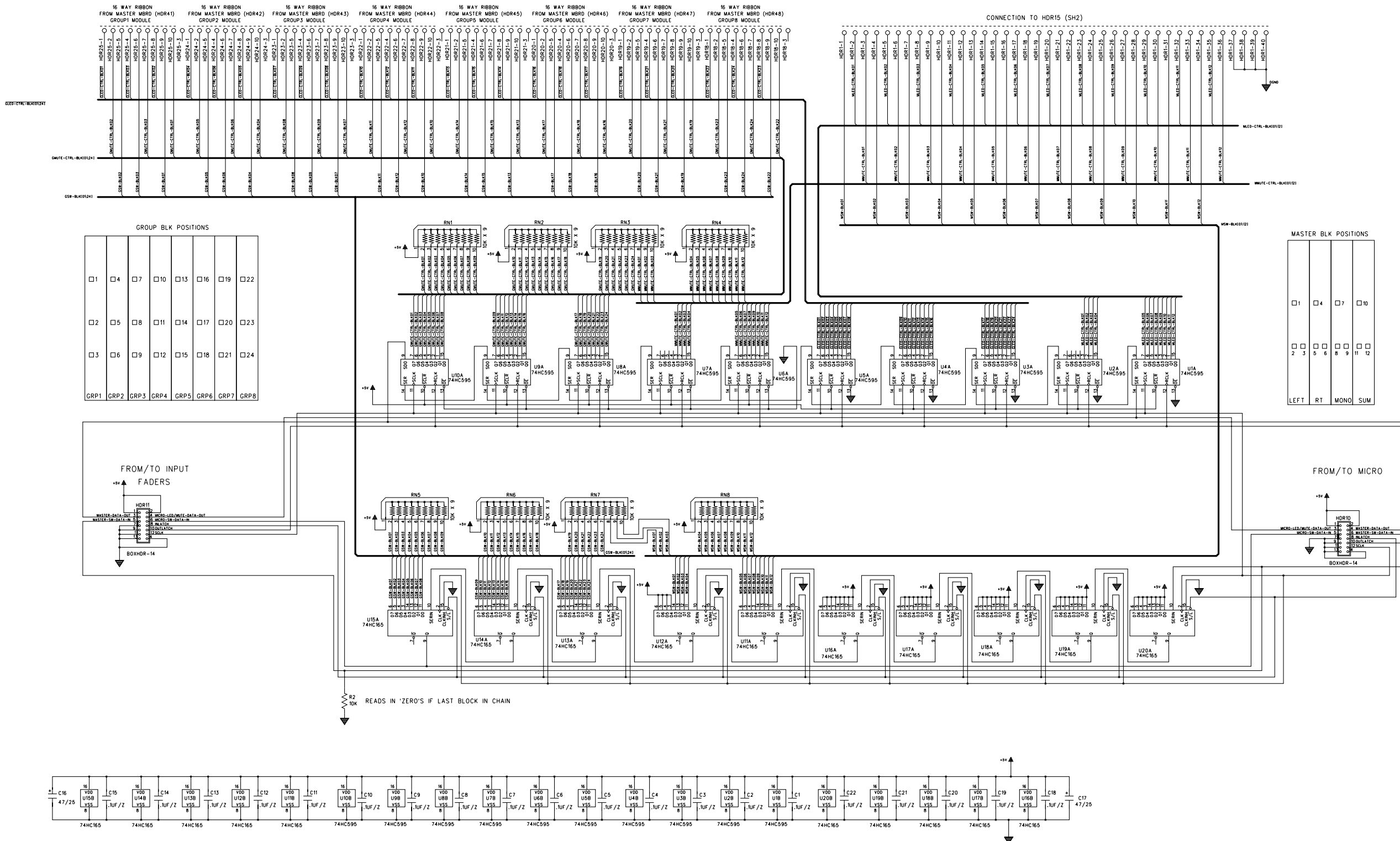


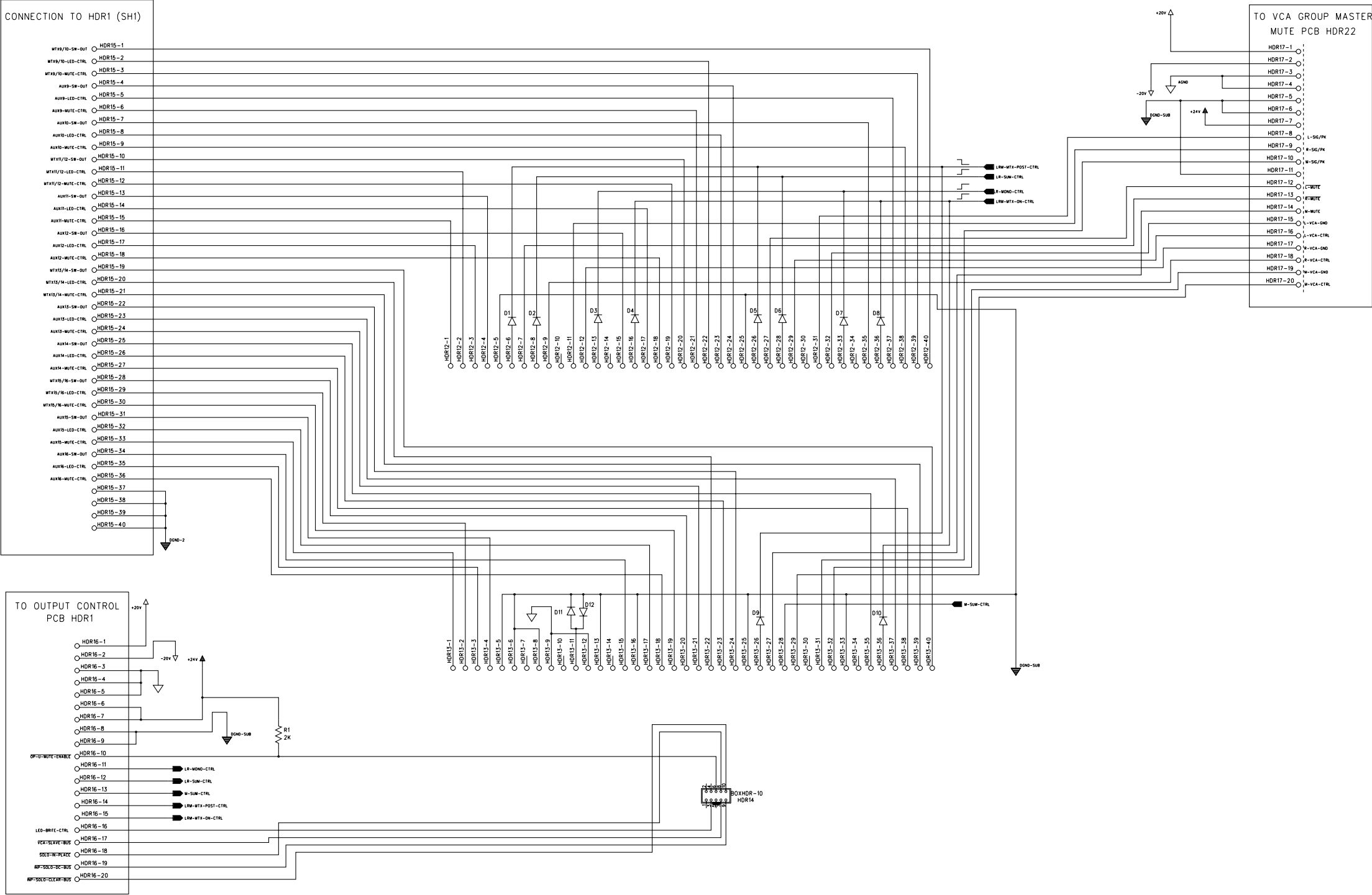




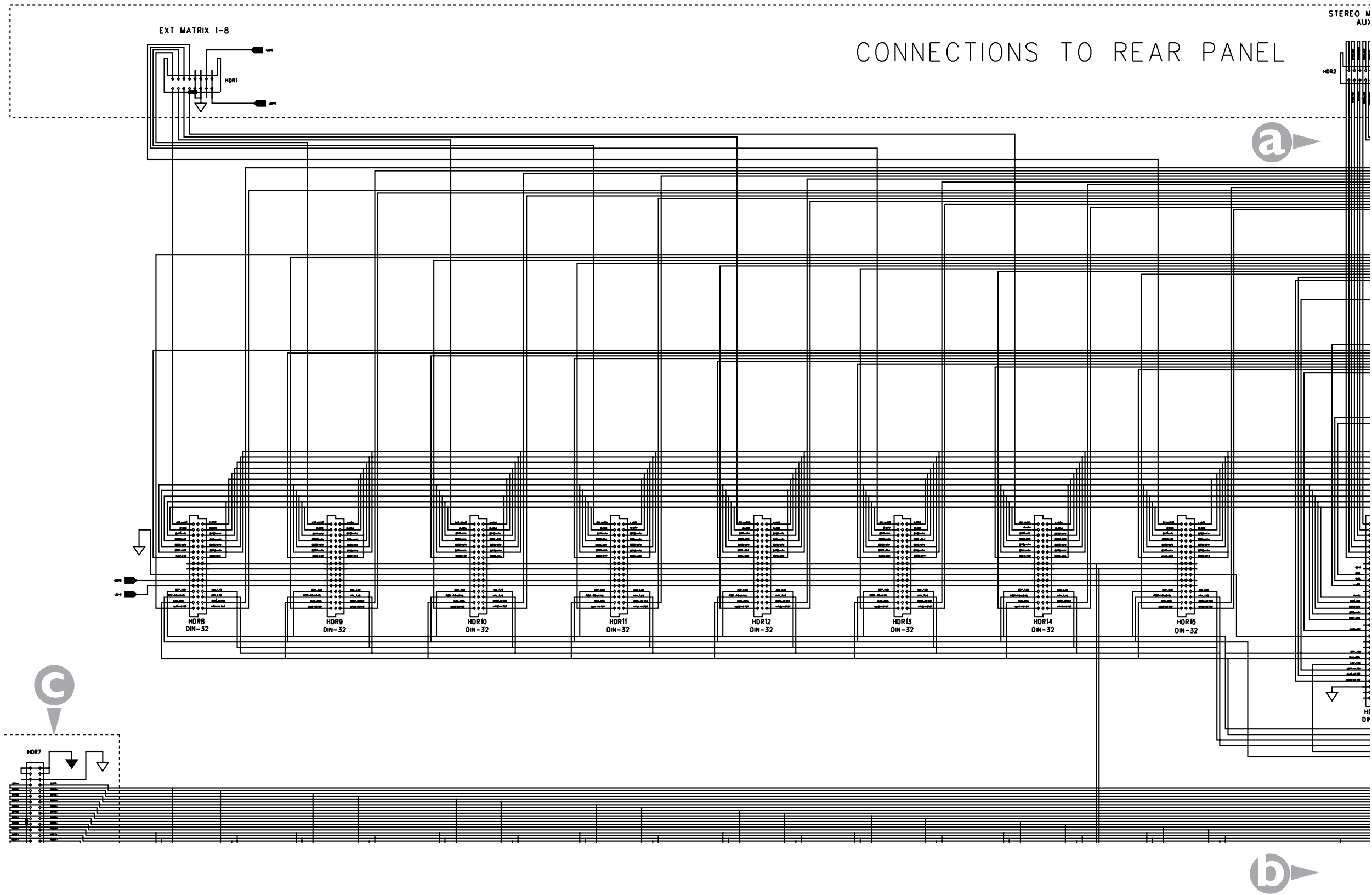




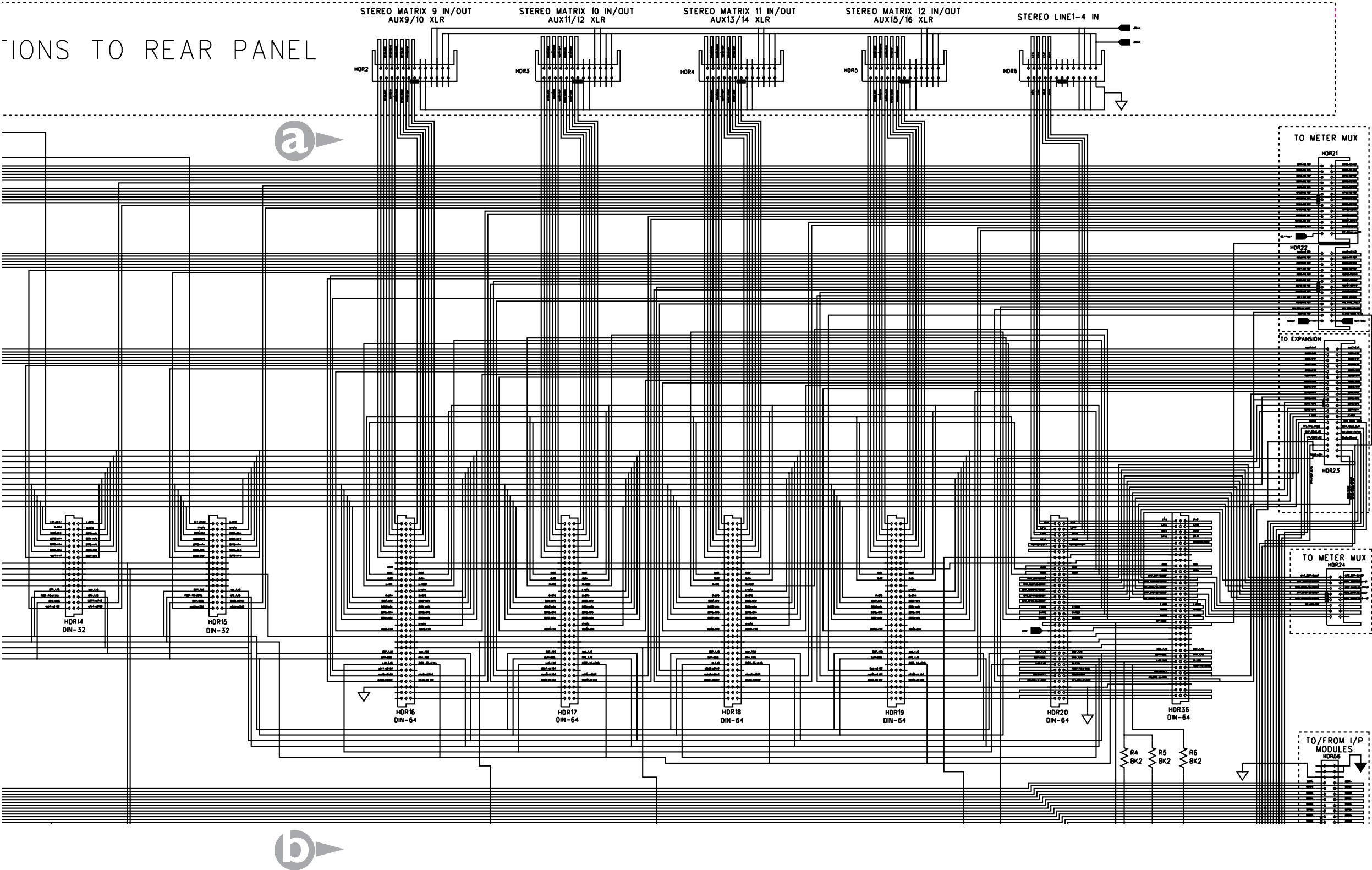




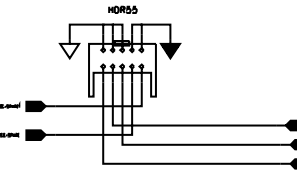
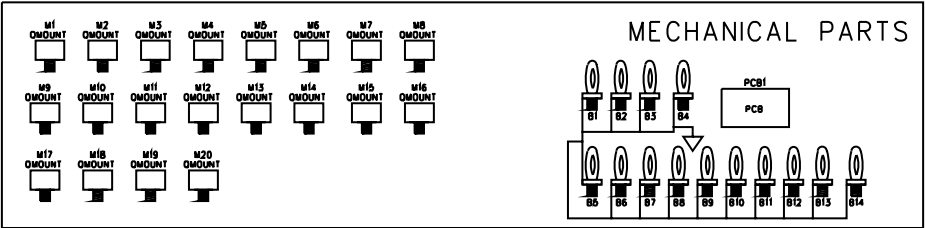
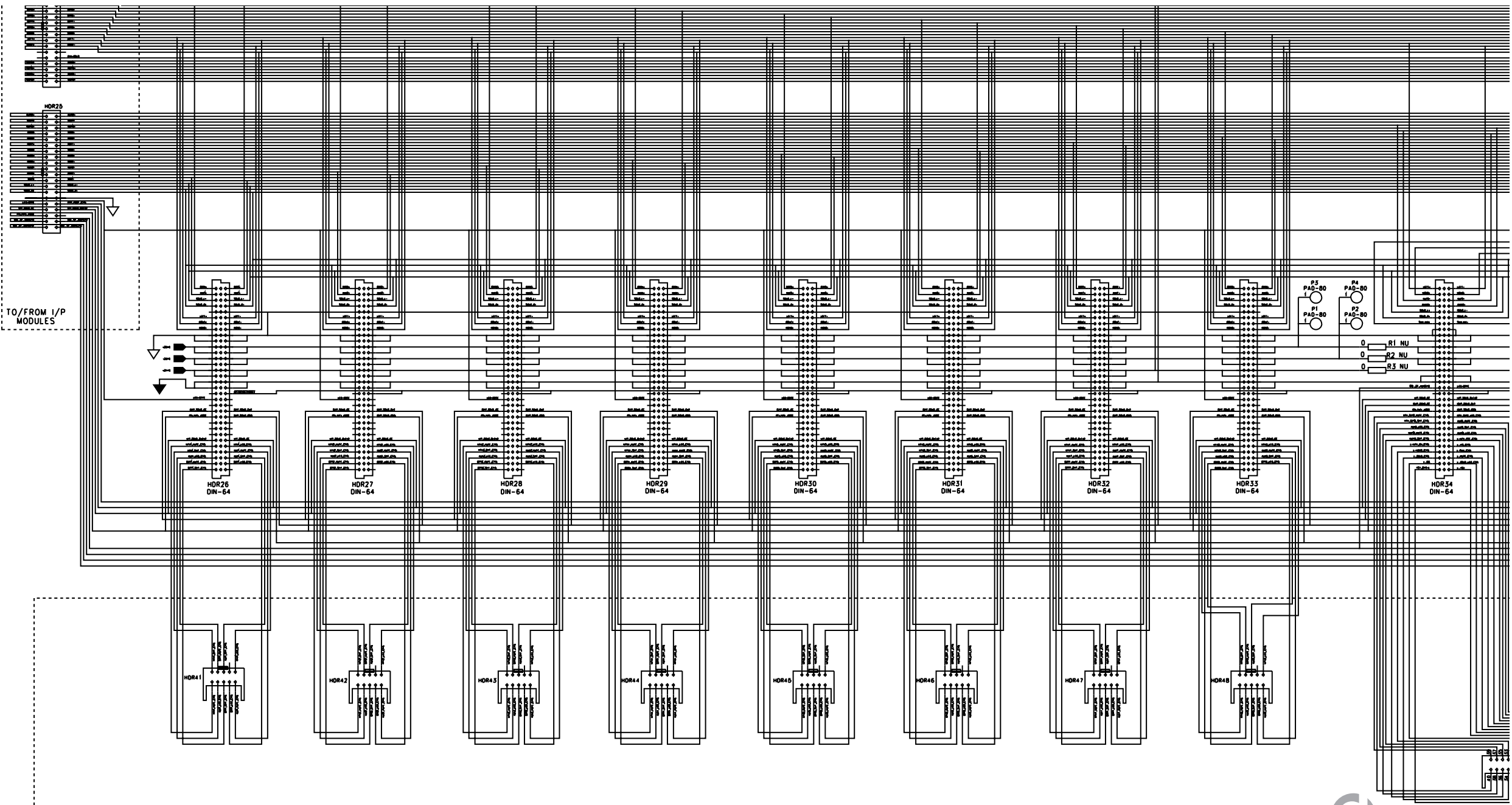
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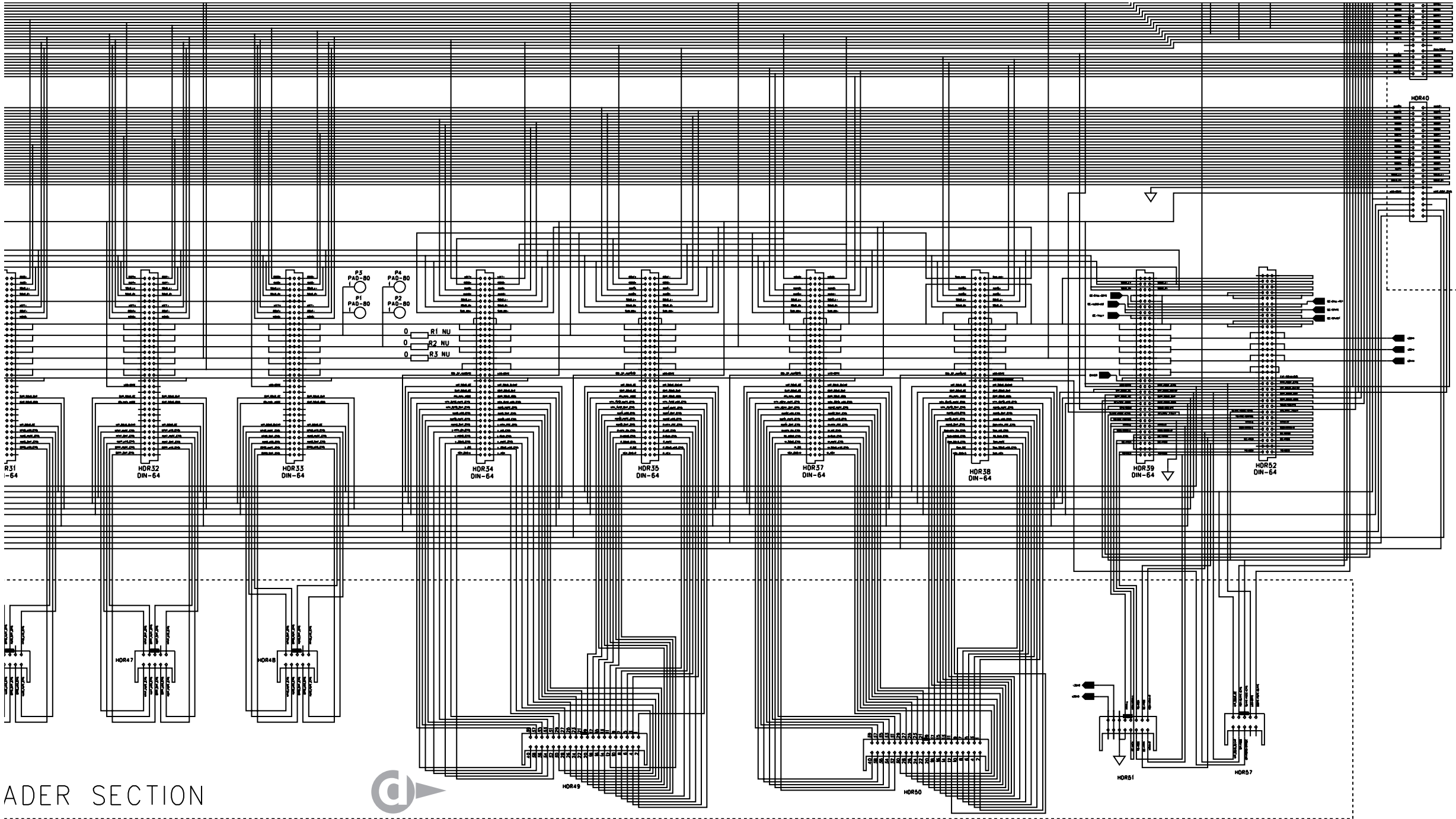
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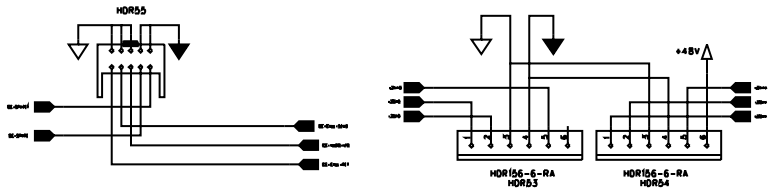
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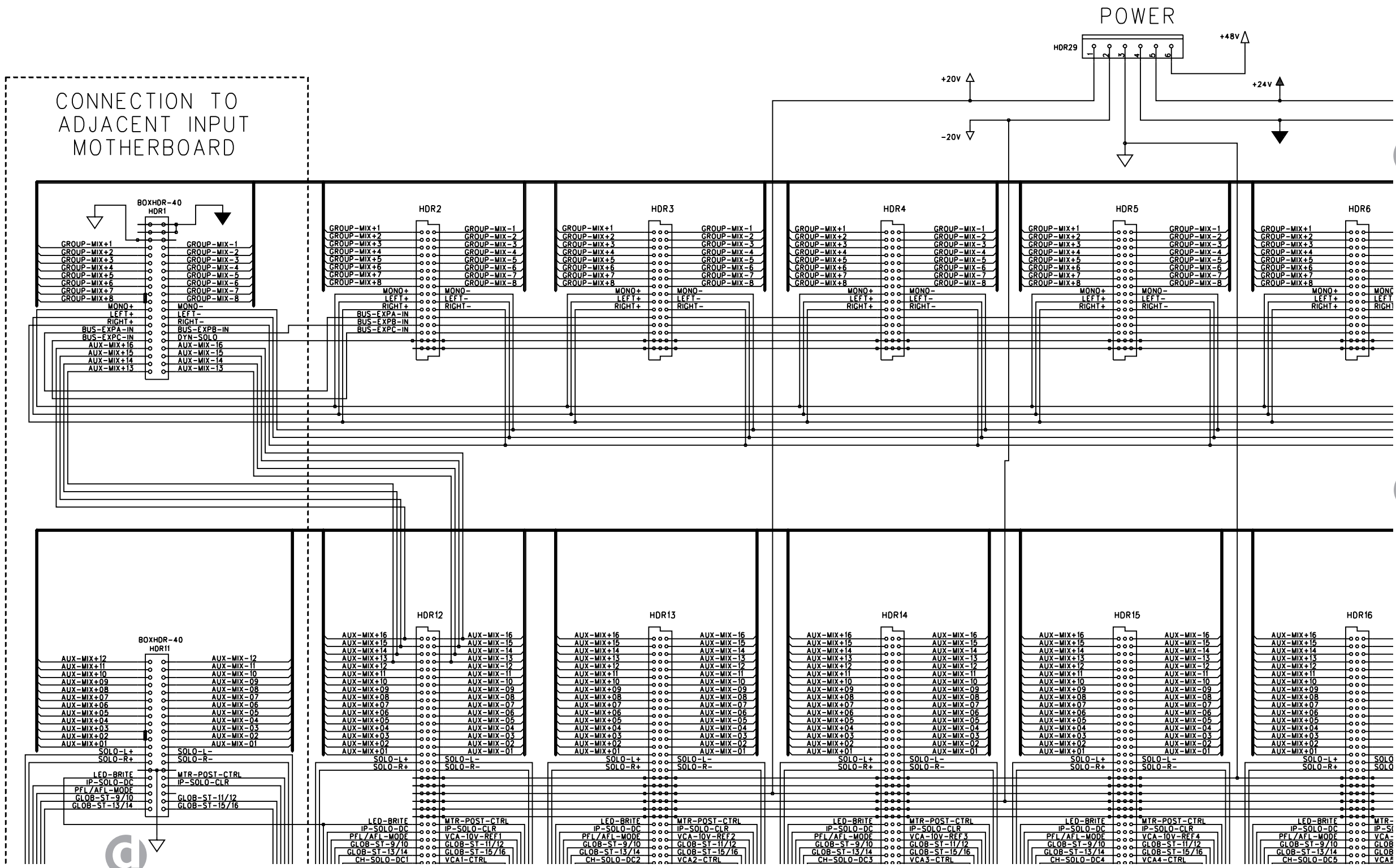
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ADDER SECTION



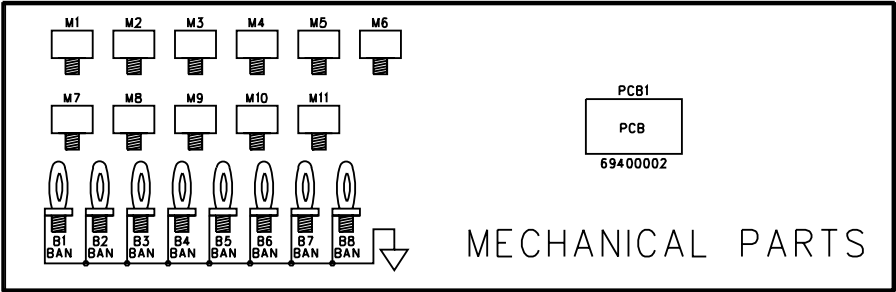
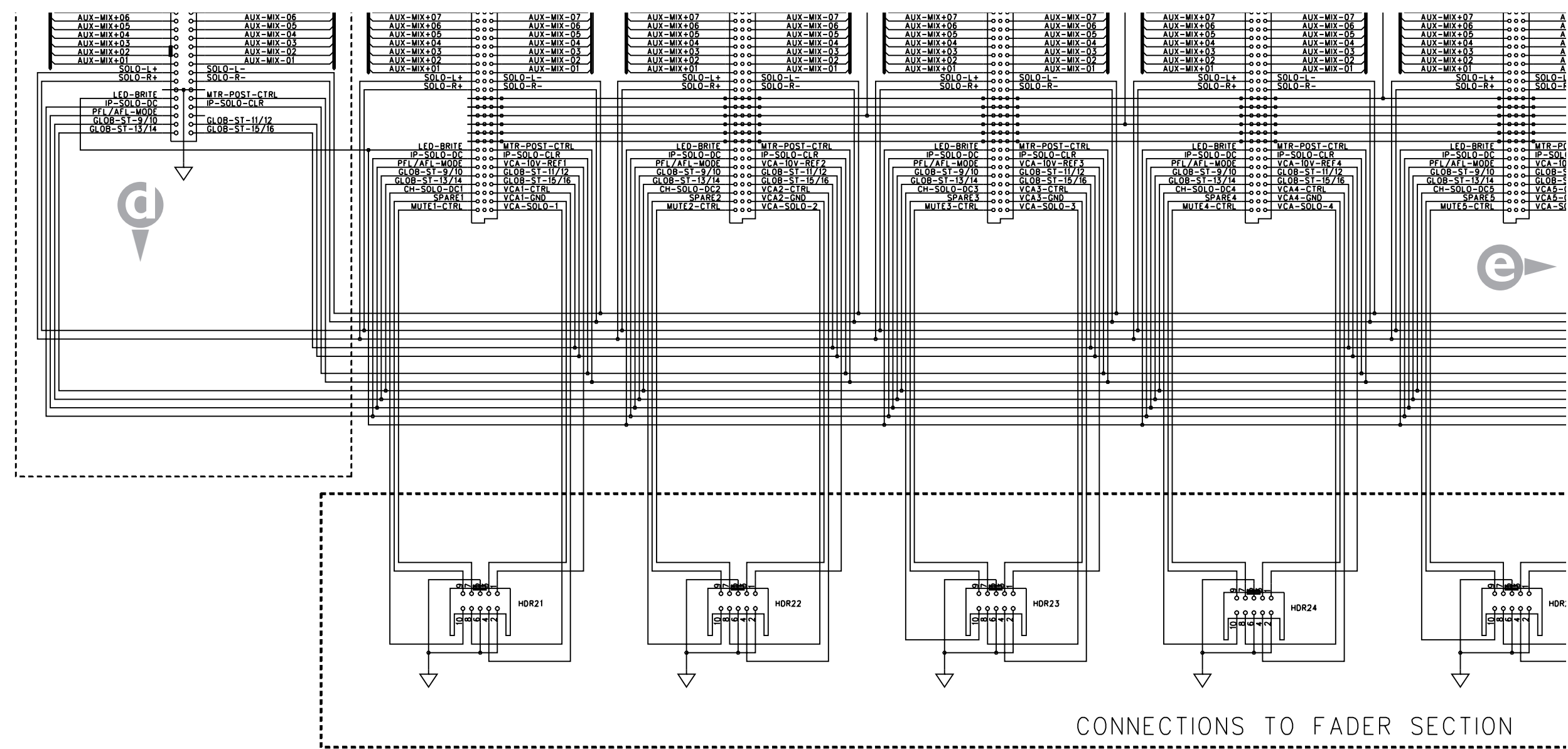
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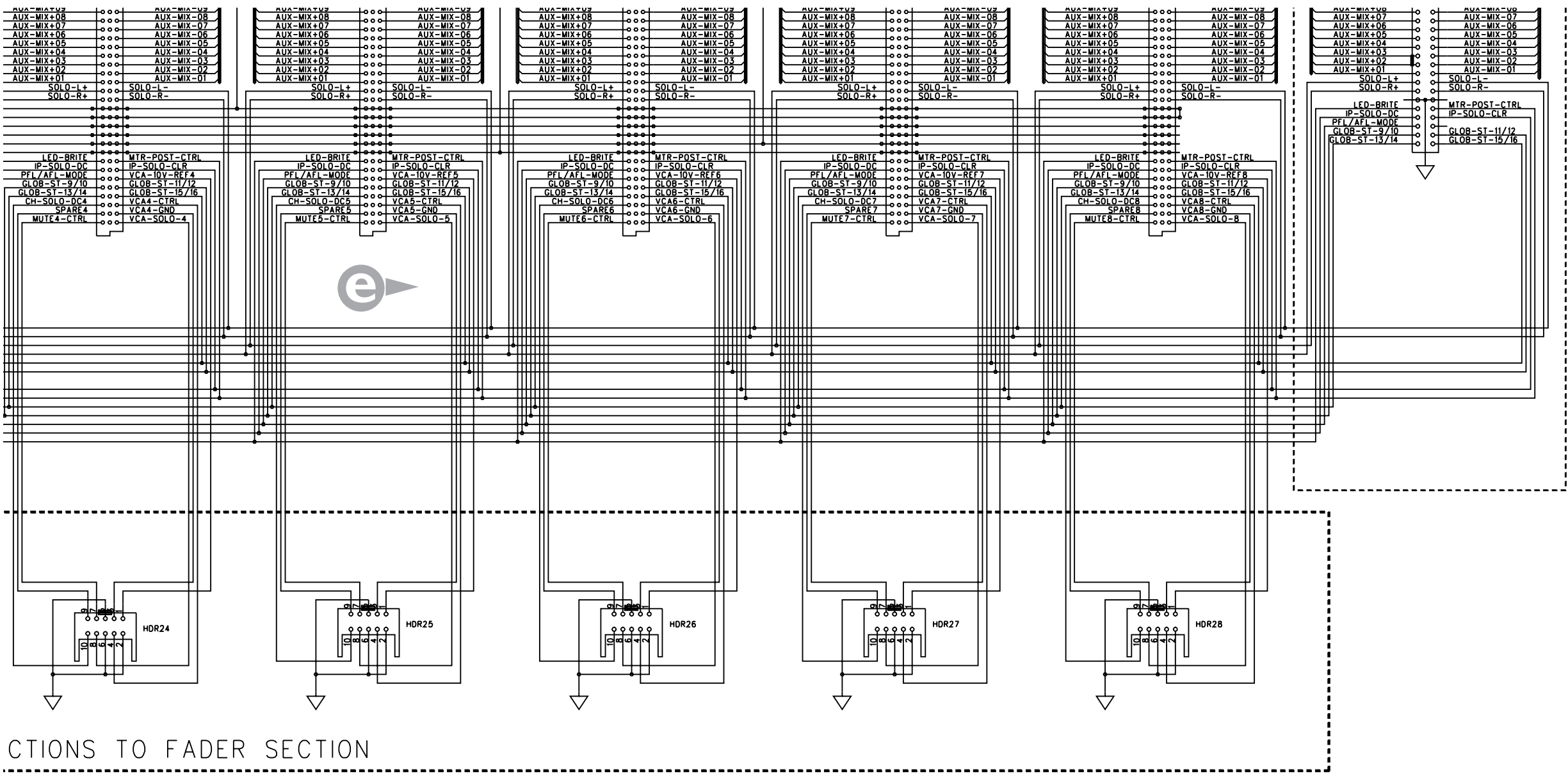
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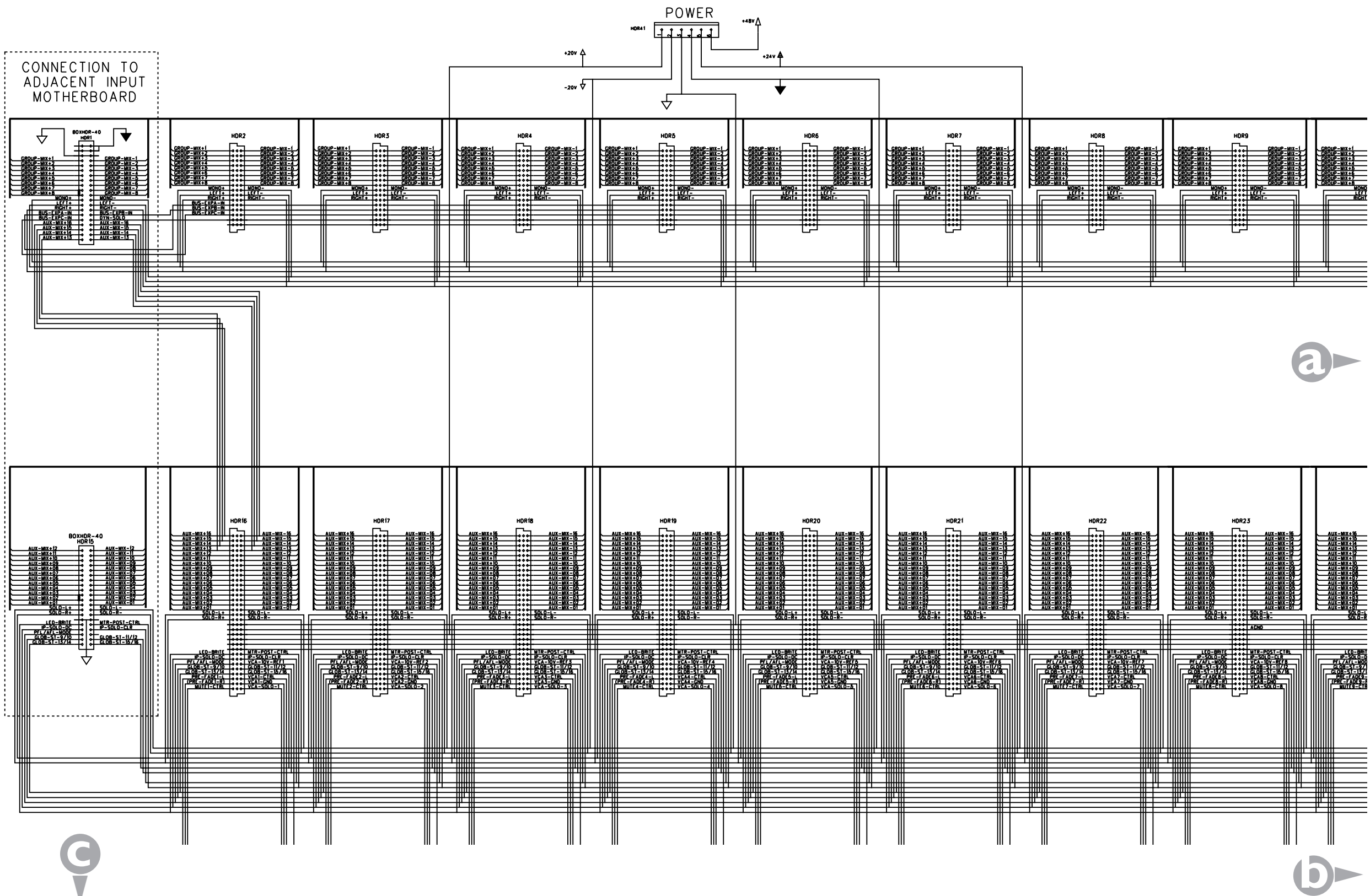
DC0852 - REV CAHNGE FROM B TO C
VCA CTRL POSITION 8 SHORTING
WITH GROUND BRACKET.

CONNECTIONS TO FADER SECTION

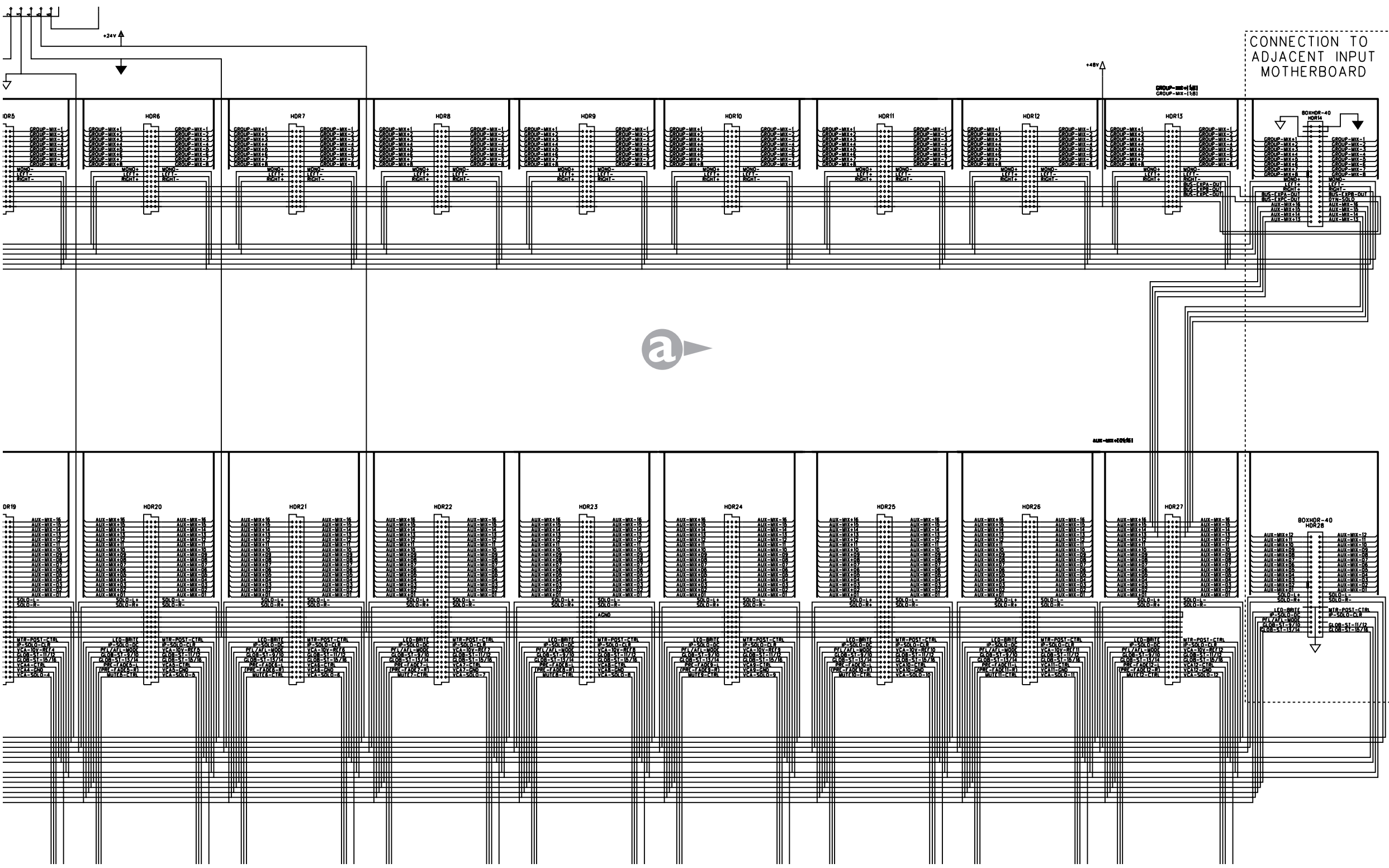
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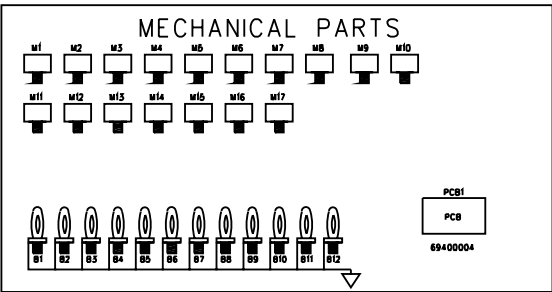
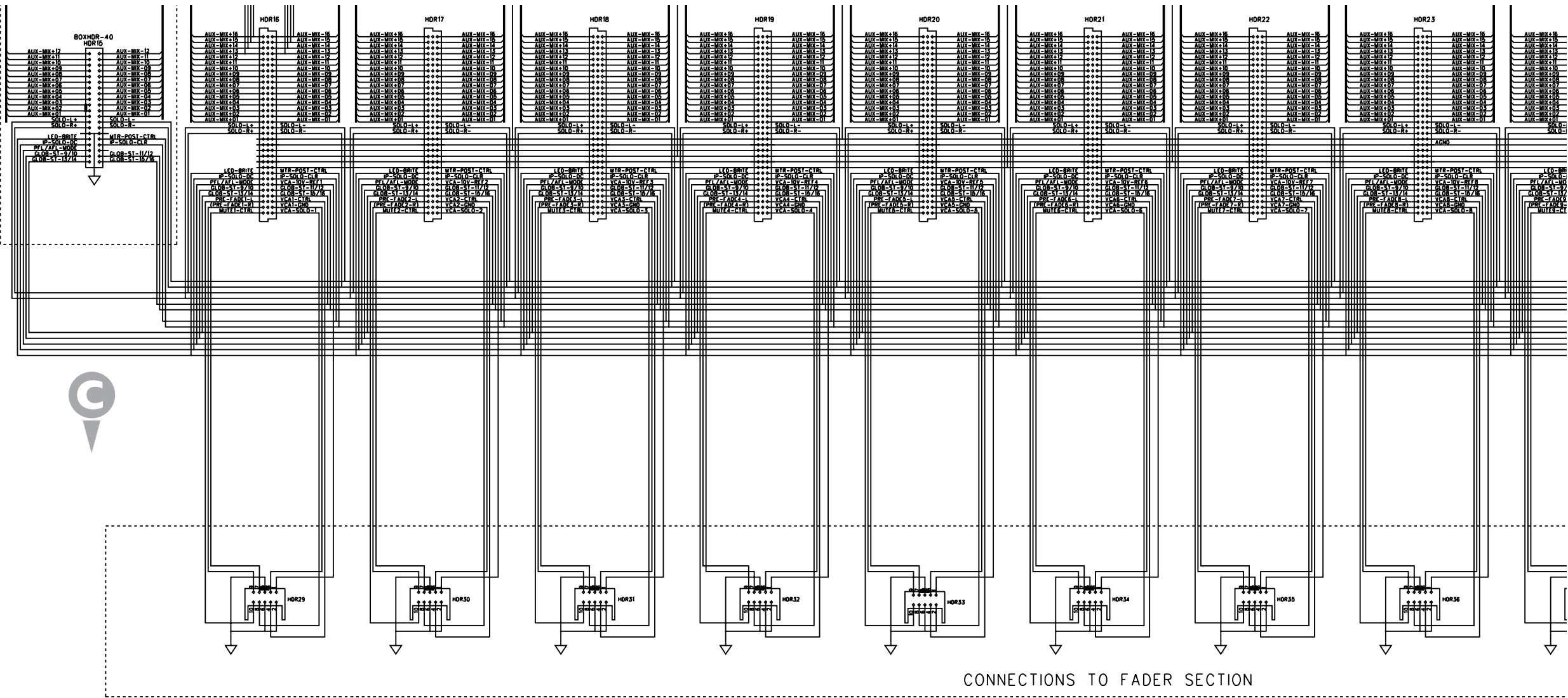
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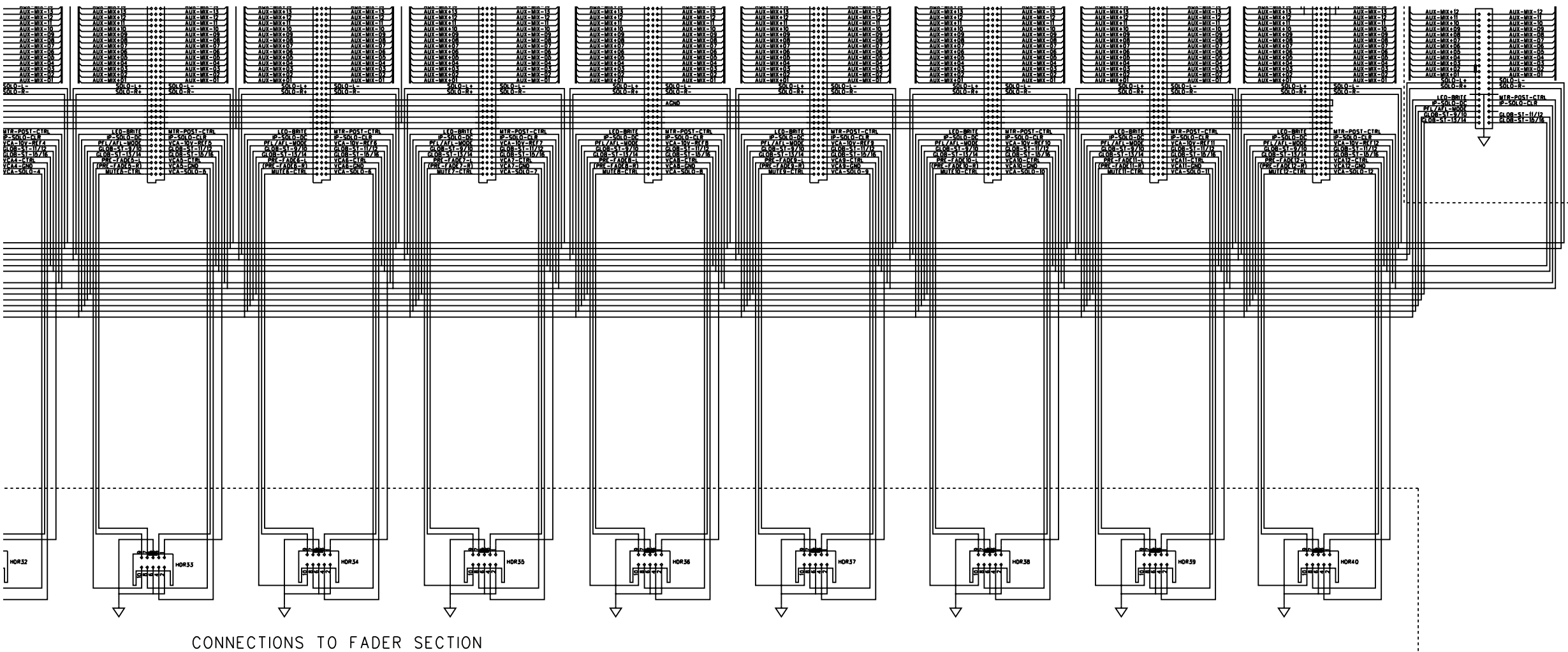
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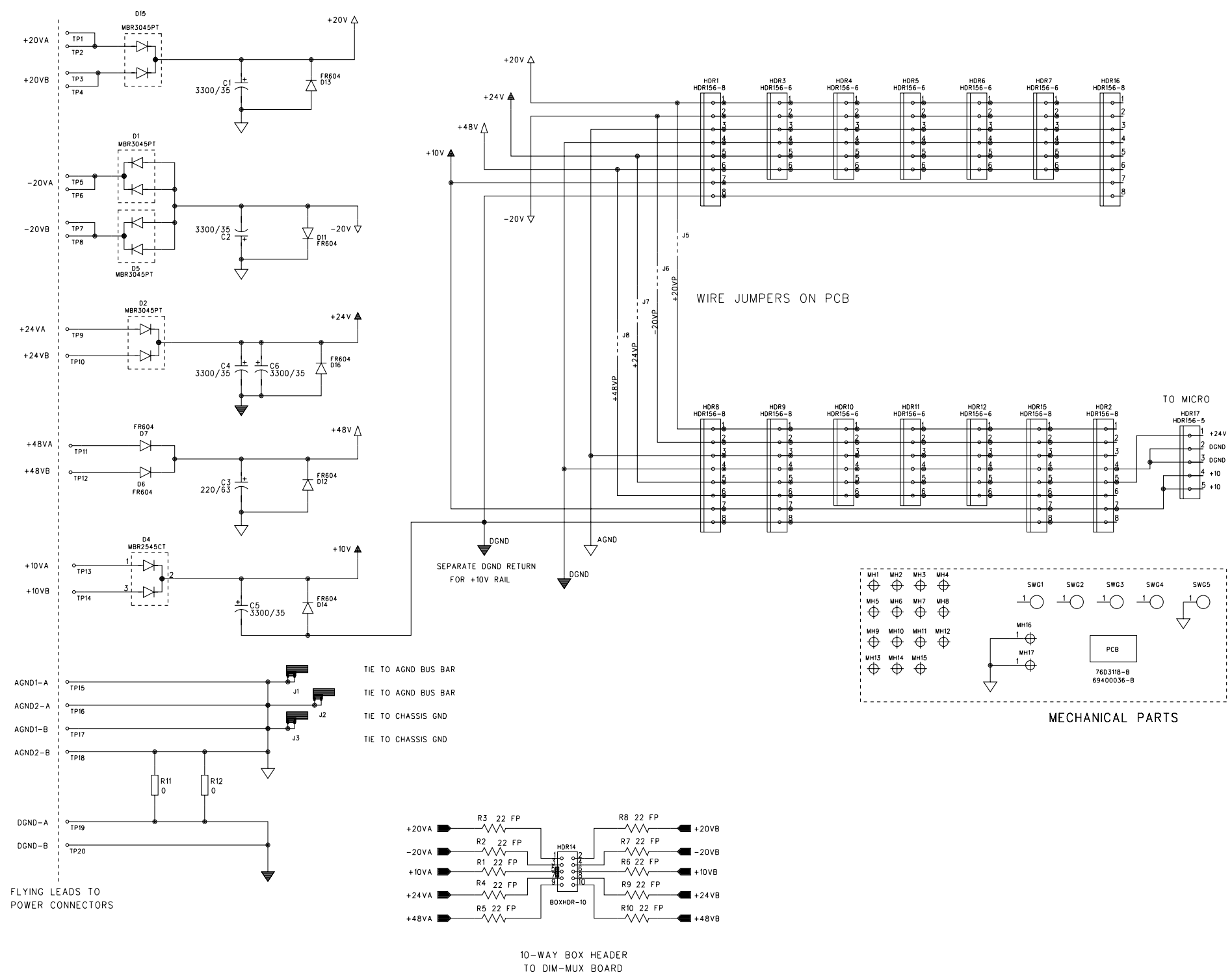


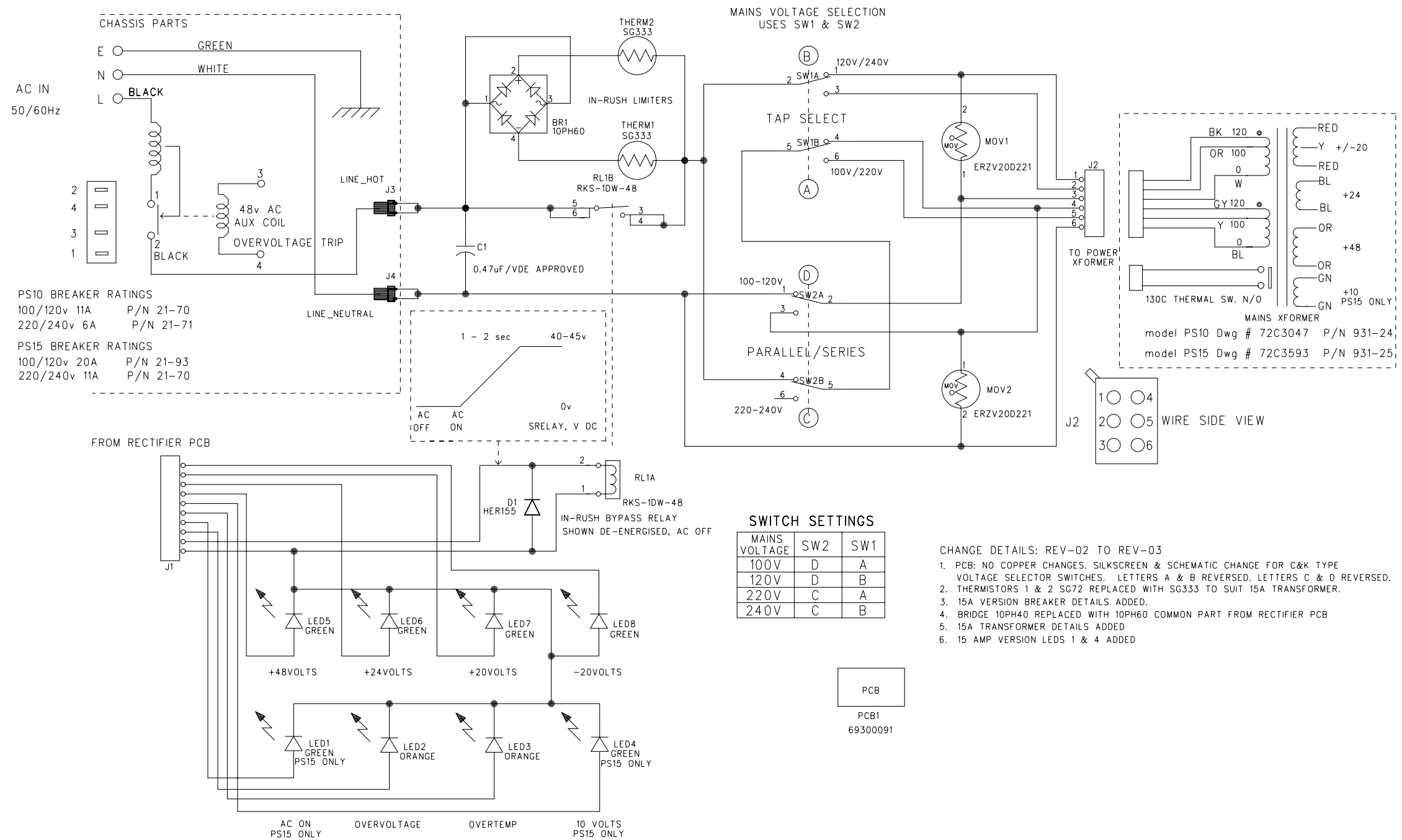
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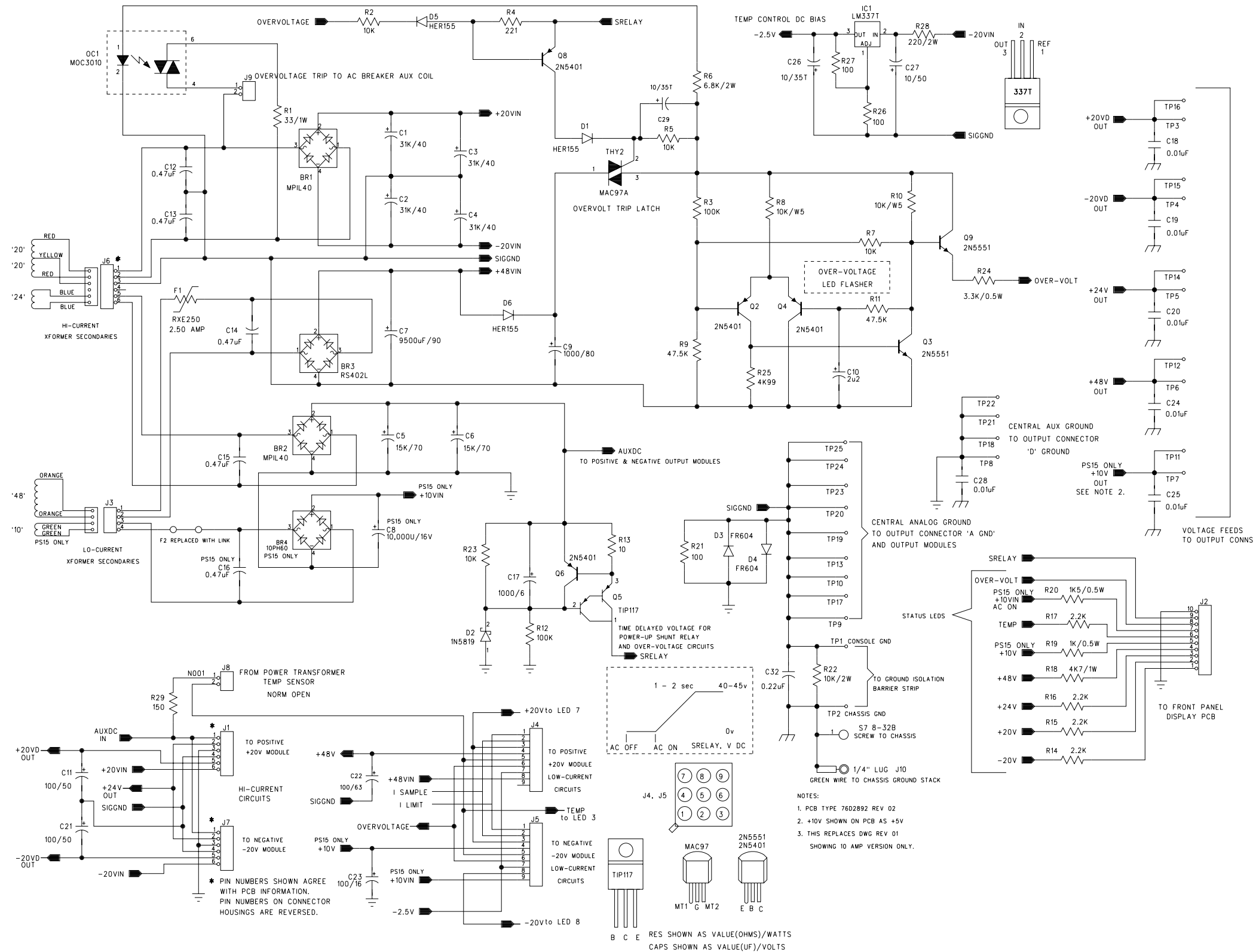














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