Line Input Mod

CONNECTOR CARD RI277

SK2 Line Input
SK3 Insert
SK4 Direct Out
SK1 MIC Input

GND
soldered to GND wire
Tape Return
SCN
TRR
TRT
1 GND
2 +
3 -

PCB: RI277D
by Riven Hexagon

Ribbon Cable

POWER DISTRIBUTION

+V
+17.5 V   CR8 1N4001
0
-17.5 V   CR9 1N4001
-V

OVERLOAD DETECT

Q1 2N3904 Q2 2N3904 Q3 2N3906
1N4148

SW2 -10dB PAD
SW3 Mic/Line
S4 Phase Reverse

LINE PREAMP

Line Input Modification
PCB: AML-07-046 (Rev 3)
by AML & Langley Design

TL072 #U1B
TL072 #U1A
TL072 #U1C

EQUALISER

SW7 EQ in

SW5 6/12kHz   turnovr freq
SW6 60/120Hz

LM4562 U2B
LM4562 U2A
LM4562 U3B
LM4562 U3A
LM4562 U4B
LM4562 U4A

HF
MF1   MF1 centre
MF2   MF2 centre
LF

Gain

SW17 PFL
PFL/AFL SIGNAL
SW16 MUTE
PFL/AFL CONTROL
U5A LM4562
U5B LM4562

SW8 POST/PRE
SW9 POST/PRE

AUX 1 AUX 2 AUX 3 AUX 4

AUDIO TAPER FADER
10k

8 AUX SEND OPTION
S1100

wired pins   A5 A6 A7 A8

PAN

SW15 STEREO
SW14 1-8 (9-16)
SW10 1+2 (9+10)
SW11 3+4 (11+12)
SW12 5+6
SW13 7+8
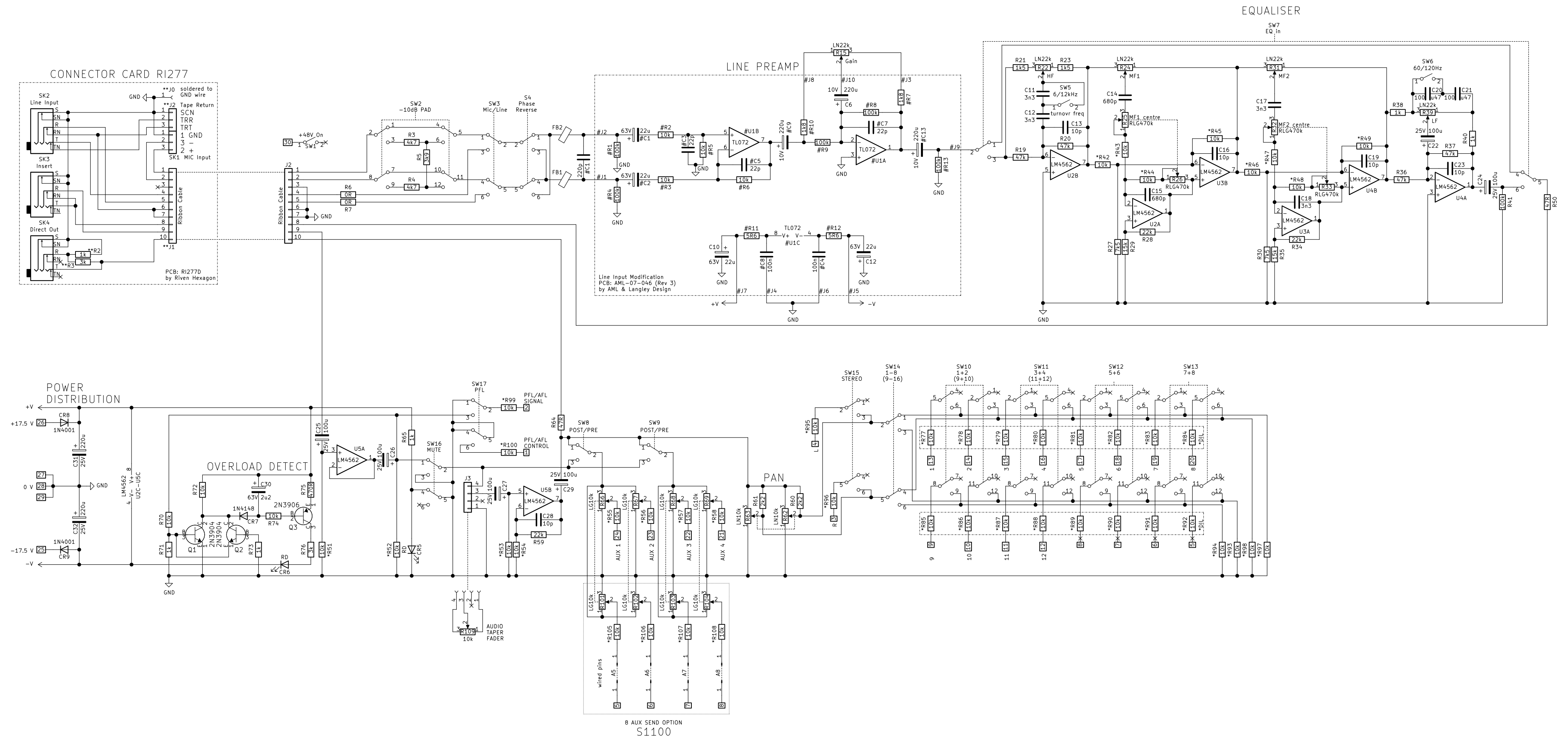
Resistors prefixed * are part of DIL resistor packages.
Components prefixed ** are part the RI277 connector card.
Components prefixed # are part of the AML daughter board.

Circuit diagram by Riven Hexagon

Riven Hexagon
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Title: TAC Scorpion S1100 AML Langley Line Input Mod

Size: A2   Date: 2022-07-29   Rev: 0
KiCad E.D.A. eeschema 5.1.12-84ad8e8a8692ubuntu20.04.1   Id: 1/1