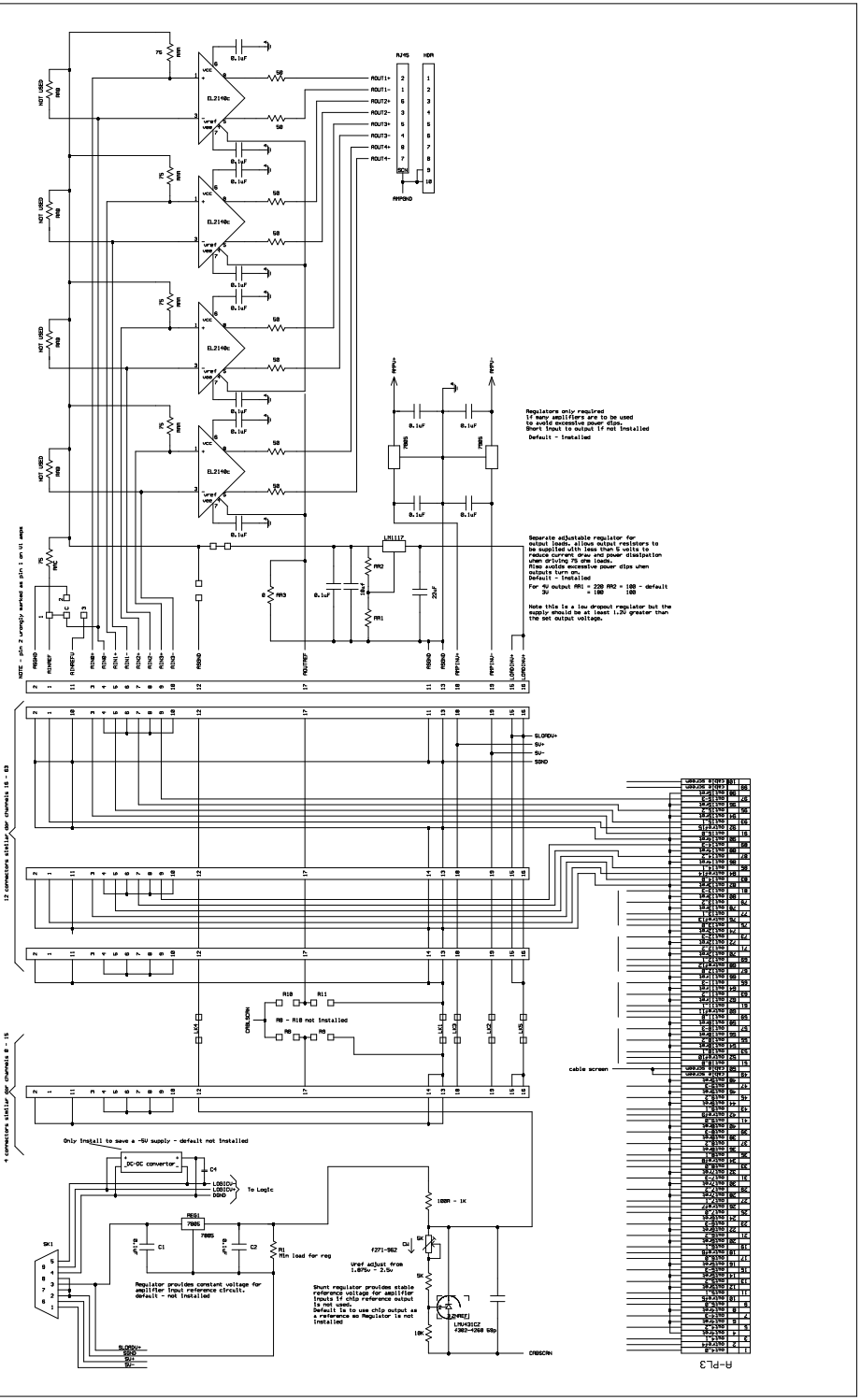
EL2140c
0.1uF
RJ45
HDR
AMPGND
Regulators only required if many amplifiers are to be used to avoid excessive power dips. Short input to output if not installed
Default - Installed
LM1117
Separate adjustable regulator for output loads. Allows output resistors to be supplied with less than 5 volts to reduce current draw and power dissipation when driving 75 ohm loads. Also avoids excessive power dips when many amplifiers are used.
Default - Installed
For 4V output RR1 = 220 RR2 = 100 - default
3V = 180 100
Note this is a low dropout regulator but the supply should be at least 1.2V greater than the out output voltage.
12 connectors similar for channels 16 - 63
4 connectors similar for channels 8 - 15
R8 - R10 not installed
Only Install to save a -5V supply - default not installed
DC-DC convertor
7805
Regulator provides constant voltage for amplifier input reference circuit.
default - not installed
Shunt regulator provides stable reference voltage for amplifier inputs if chip reference output is not used.
Default is to use chip output as a reference as Regulator is not installed
LM4041CZ
cable screen
A-PL3