**CONTROL BOARD**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| SNK3 | SRC2  (7SEG) | SNK1 | SNK4 | SNK6 | SRC4  (LEDS) | MIDI\_IN\_T  Pin 4 |
| SRC3  (7SEG) | SNK2 | SRC1  (7SEG) | SNK5 | SNK8 | SNK7 | MIDI\_IN\_R  Pin 5 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| SW\_READ  Read line for multiplexed switches needs pull up | IND4  Channel D VCA status LED active low | CVIN3  Socket normalled to ground | CVIN2  Socket normalled to ground | SWITCH  Active low needs pull up | CKIN  Socket normalled to ground | DGND |
| DGND | CVIN4  Socket normalled to ground | IND3  Channel C  VCA status LED active low | IND2  Channel B  VCA status LED active low | IND1  Channel A  VCA status LED active low | CVIN1  Socket normalled to ground | +5V |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| SIG\_IN3  Channel C input socket tip  Normalled to channel B input tip | SIG\_OUT4  Channel D output tip | SIG\_IN2  Channel B input socket tip  Normalled to channel A input tip | AGND | ATT\_IN4  C/W (top) end of track of attenuator pot D |
| SIG\_IN4  Channel D input socket tip. Normalled to channel C input tip | SIG\_OUT3  Channel C output tip | ATT\_OUT2  Wiper of attenuator pot B | ATT\_IN2  C/W (top) end of track of attenuator pot B | ATT\_OUT4  Wiper of attenuator pot D |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ATT\_OUT1  Wiper of attenuator pot A | SIG\_OUT1  Channel A output tip | SIG\_OUT2  Channel B output tip | ATT\_IN3  C/W (top) end of track of attenuator pot C | ATT\_OUT3  Wiper of attenuator pot C |
| ATT\_IN1  C/W (top) end of track of attenuator pot A | SIG\_IN1  Channel A input socket tip. | AGND | AGND | AGND |

**BASE BOARD**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| SINK  Shift reg pin via resistor | SRC  transistor | SINK  Shift reg pin via resistor | SINK  Shift reg pin via resistor | SINK  Shift reg pin via resistor | SRC  transistor | MIDI  Pin 4 |
| SRC  transistor | SINK  Shift reg pin via resistor | SRC  transistor | SINK  Shift reg pin via resistor | SINK  Shift reg pin via resistor | SINK  Shift reg pin via resistor | MIDI  Pin 5 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| KB\_READ | IND4  To op-amp sink | CV  Analog input | CV  Analog input | SWITCH  Input line | CKIN  Analog input | DGND |
| DGND | CV  Analog input | IND3  To op-amp sink | IND2  To op-amp sink | IND1  To op-amp sink | CV  Analog input | +5V |

Check indicator PWM vs VCA PWM vs sockets

A D

B C

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| SIGIN3  To VCA input C | SIGOUT4 | SIGIN2 | AGND | TO\_ATT4 |
| SIGIN4 | SIGOUT3 | FR\_ATT2 | TO\_ATT2 | FR\_ATT4 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| FR\_ATT1 | SIGOUT1 | SIGOUT2 | TO\_ATT3 | FR\_ATT3 |
| TO\_ATT1 | SIGIN1 | +12V | AGND | -12V |