



musical engineering

instruments and electronics made in switzerland

## service manual

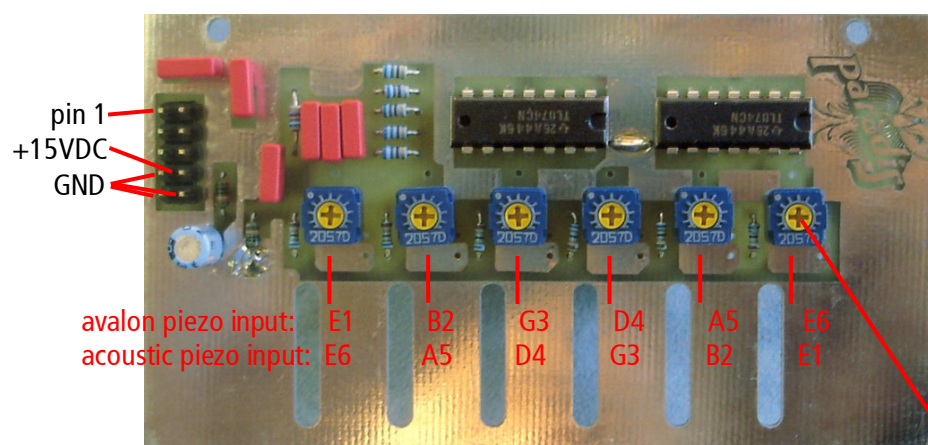
### avalon preamp (1990 - 1997)

there have been two versions applied, a 'green' circuit board and a 'silver' circuit board. they are identically in dimensions and electronics value, main difference is the connection to the cable:

1 – silver board: 10-pin connector

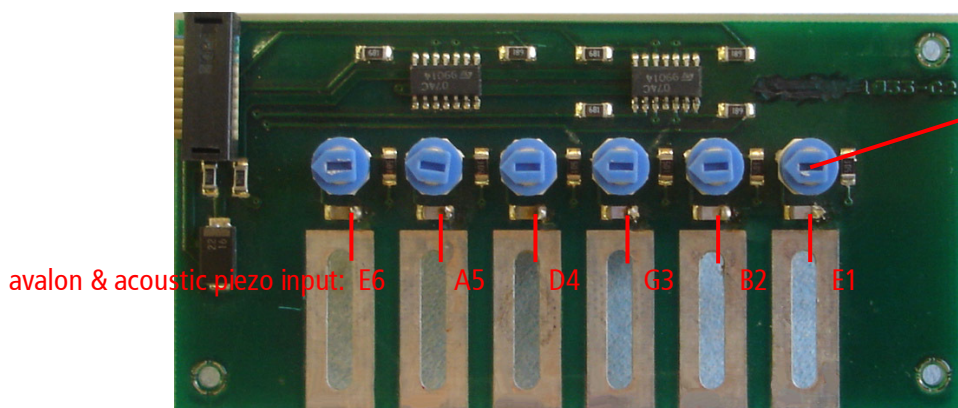
2 – green board: attached 10-core flat cable

NOTE: some of those circuit boards have been modified for other use than avalon guitar. in particular, for the use in acoustic guitars the wiring may have changed or reversed.



#### avalon default pinning

- 1 – string channel E1
- 2 – string channel B2
- 3 – string channel G3
- 4 – string channel D4
- 5 – string channel A5
- 6 – string channel E6
- 7 – GND (ground)
- 8 – +15VDC
- 9 – GND
- 10 – GND



### 8-pin neutricon connector

the original avalon push-lock connector is a standard industrial NEUTRIK, called neutricon. it is available as two versions, one with circular round-pins and one with fin-contacts. paradis used the fins. the neutricon consists of several parts which have to be ordered all separately for a working set.

cable-plug:

housing: SC8

insert: RI8

cable clamp: SR8w

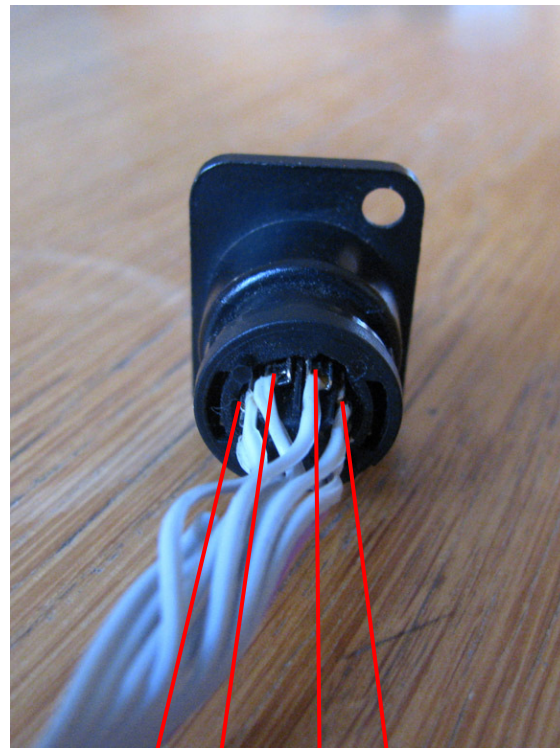
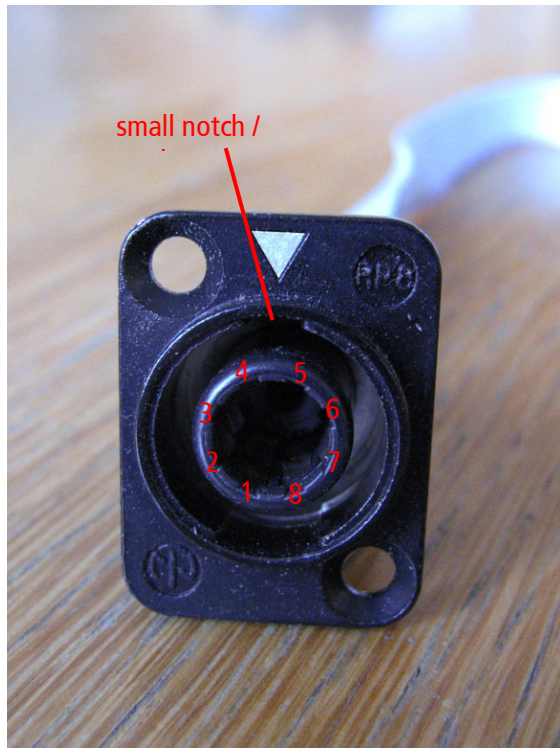
fin-contacts: CS1-G

guitar-socket:

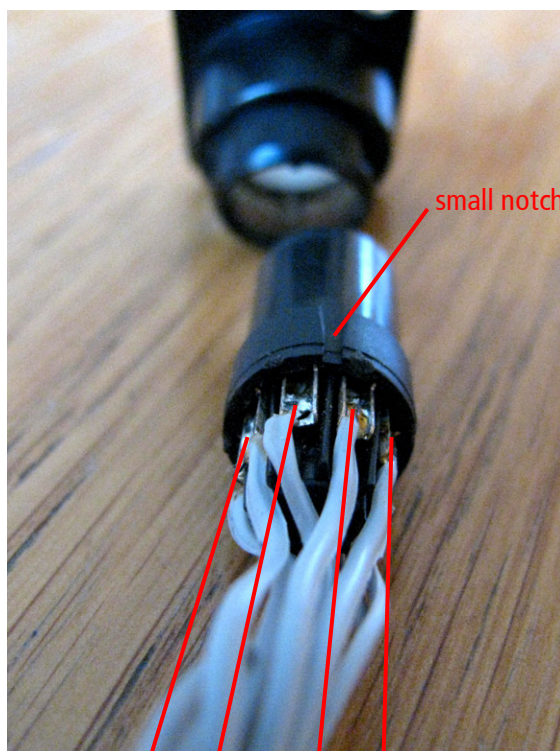
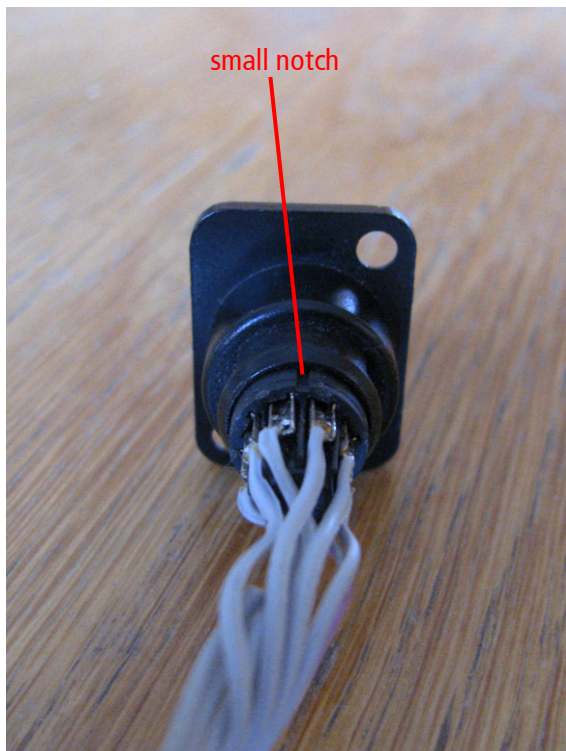
housing: RP8

insert: TI8

fin-contacts: CS1-G



pinning: 6 5 4 3

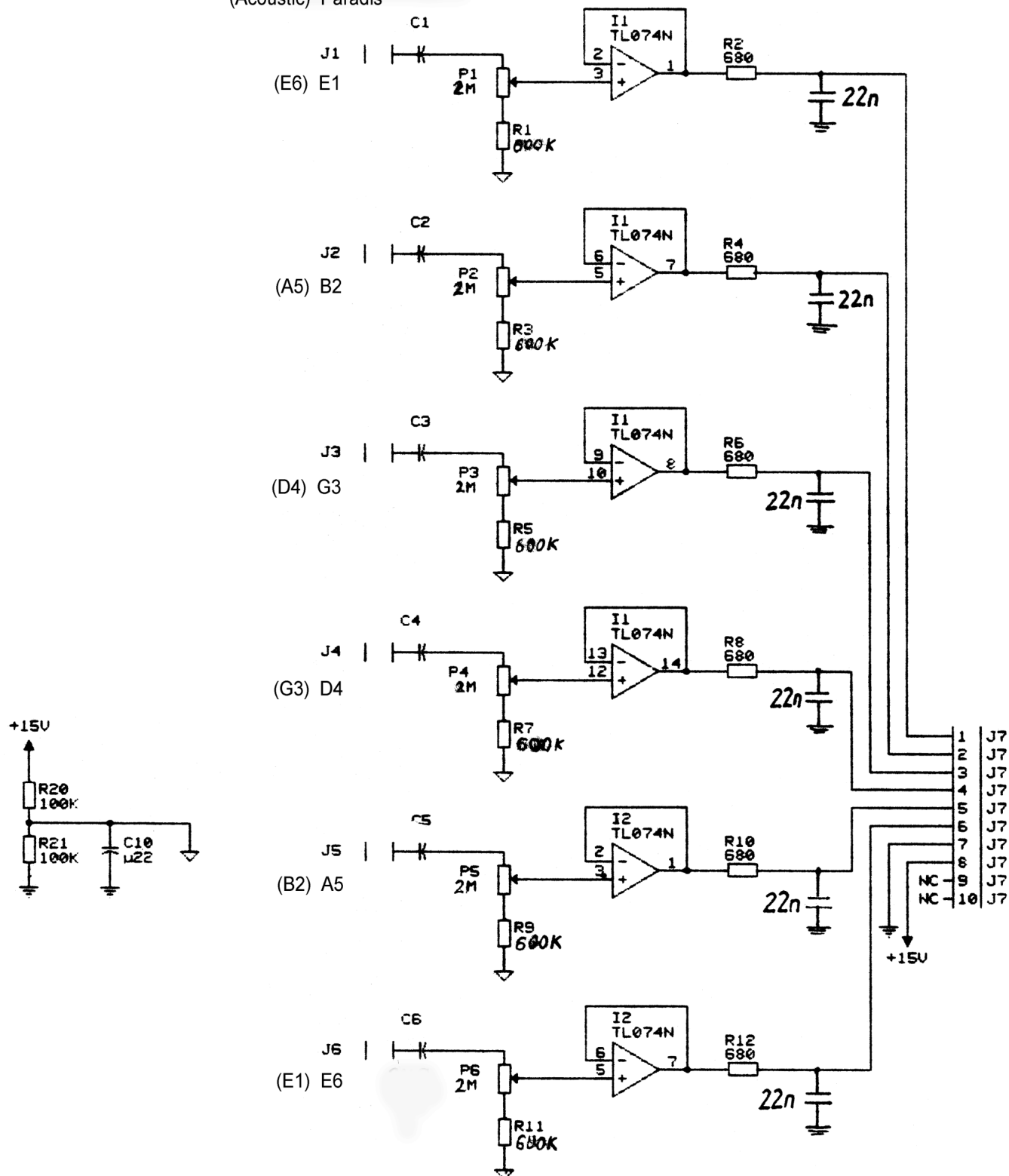


pinning: 6 5 4 3

neutricon pinout  
 1 – string channel E1  
 2 – string channel B2  
 3 – string channel G3  
 4 – string channel D4  
 5 – string channel A5  
 6 – string channel E6  
 7 – GND (ground)  
 8 – +15VDC

(Acoustic) Paradis

Hi-Cut -3dB 11kHz



by rolf spuler, 28-feb-2010