

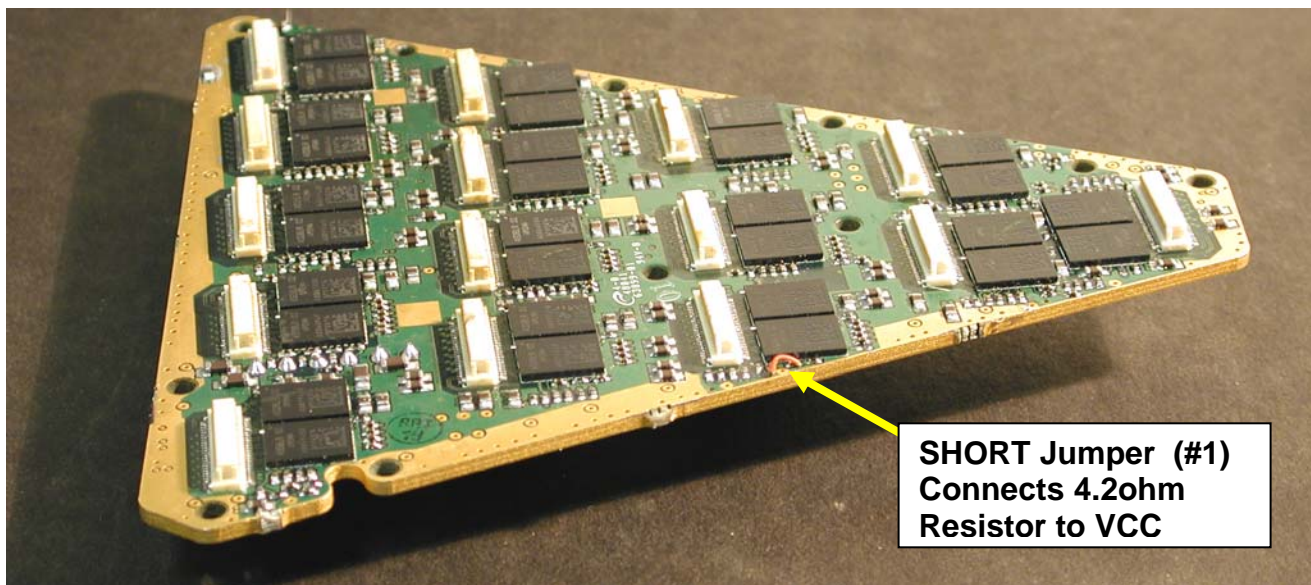
## Two Jumpers for the AR2FS board

March 22, 2005

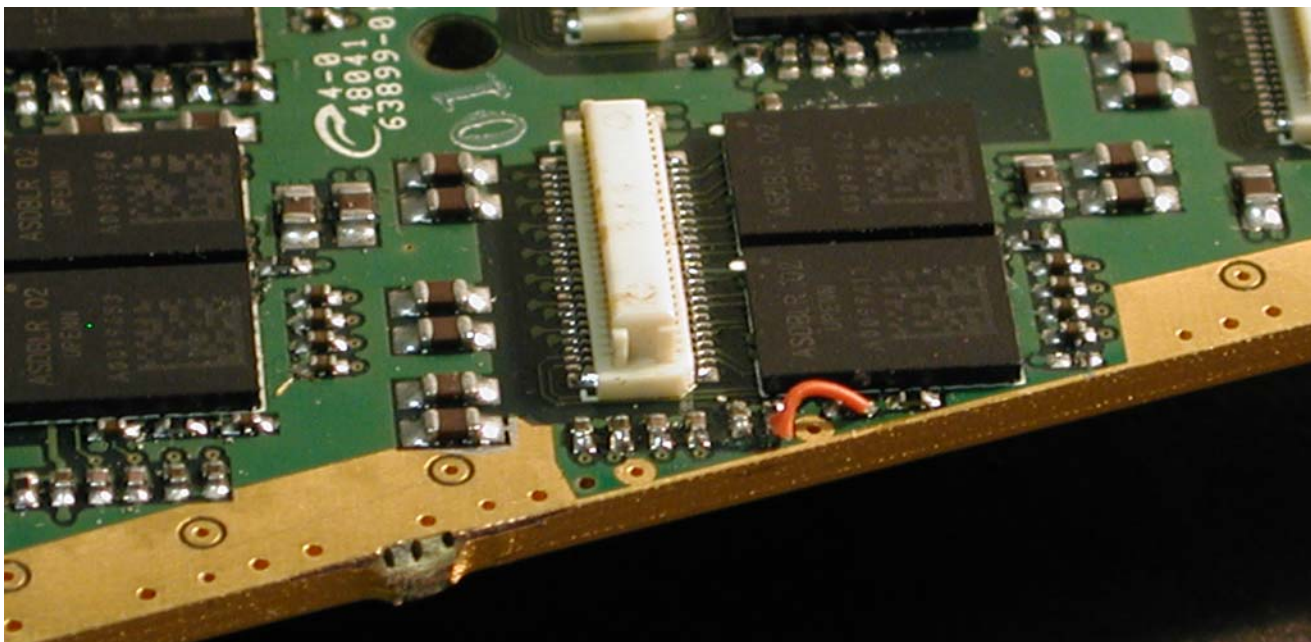
Instructions for the installation of two jumpers to repair bad via contacts at Location #10

### Instructions for Jumper #1 (ASDBLR side of board)

A mistake in the layout of the AR2FS board prevents the 4.7ohm preamp resistor at location #10 (DTMROC side silk screen numbering) from connecting to the Vcc supply. This is easily corrected by soldering a jumper to a nearby location. The jumper should connect between a trace that supplies +3V to an 18k resistor and a 0.1uF capacitor (See Gerber View below) and a 4.7ohm resistor as shown. It should be rated to carry at least 20mA current. For mechanical reasons 28 or 30AWG wire should be used.



The picture above shows the location of the Jumper on the AR2FS board.

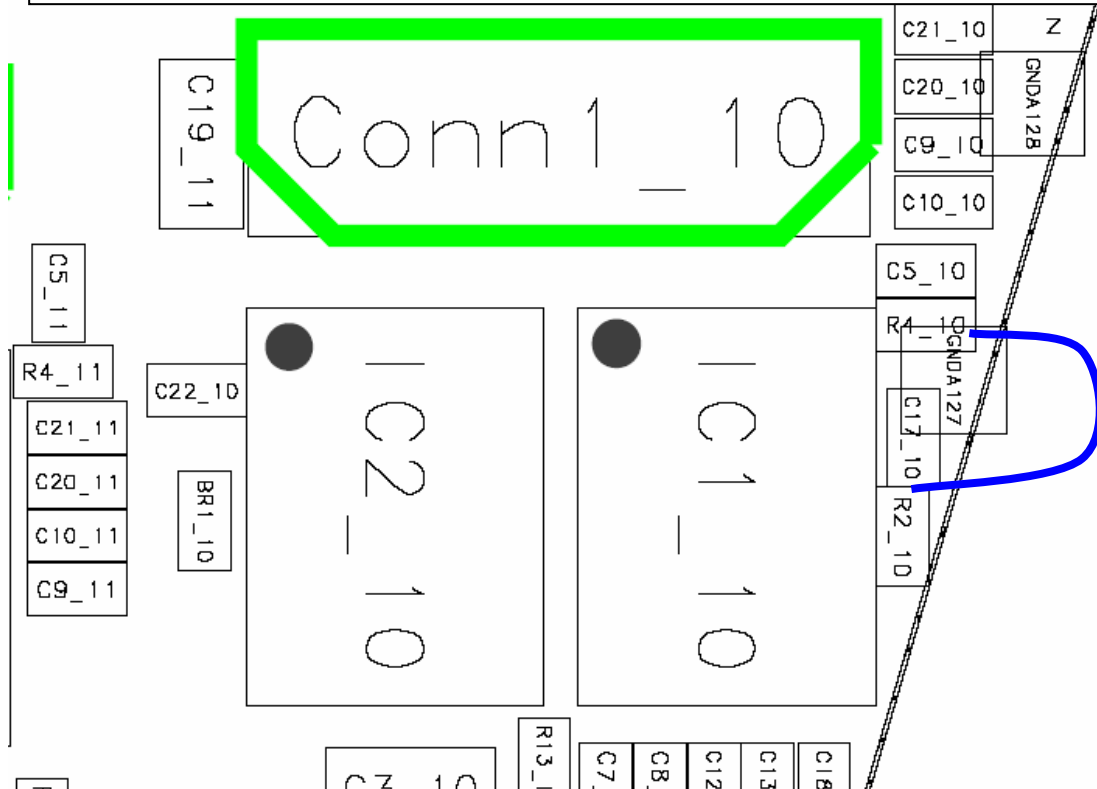


**Jumper (#1) Contacts**

**4.7 ohm resistor**

**12K Resistor**

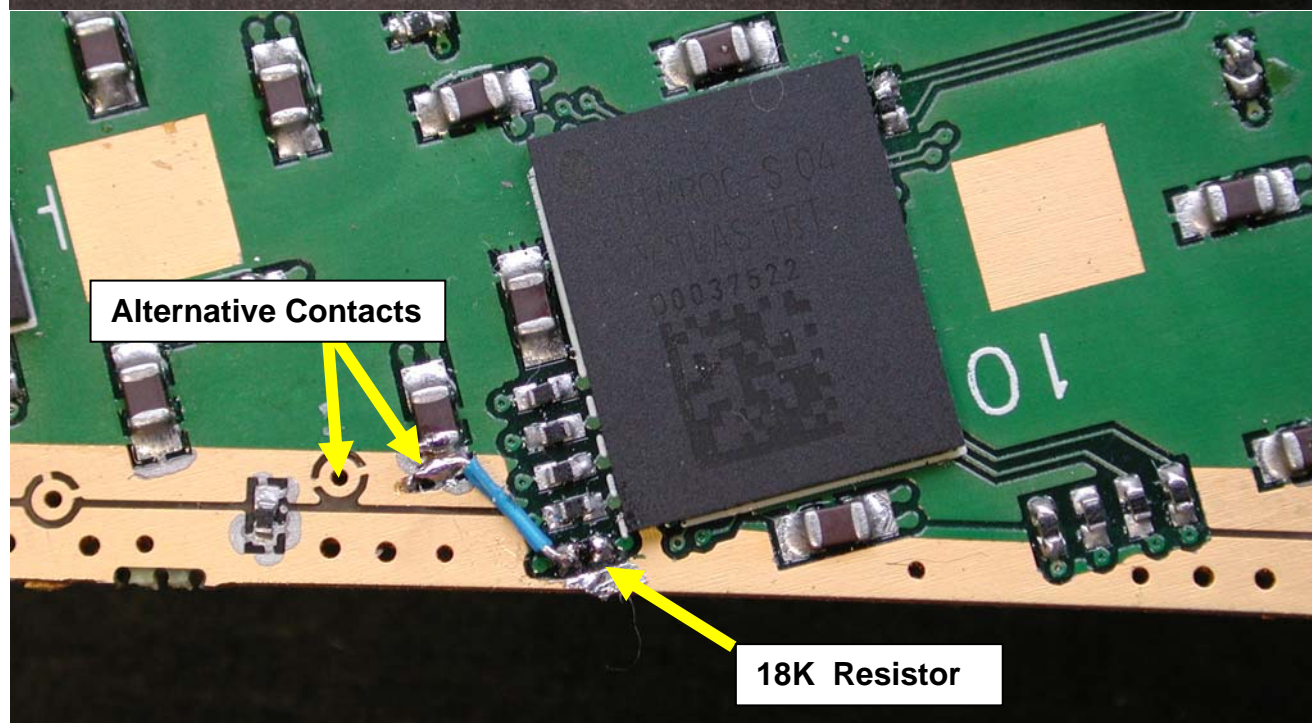
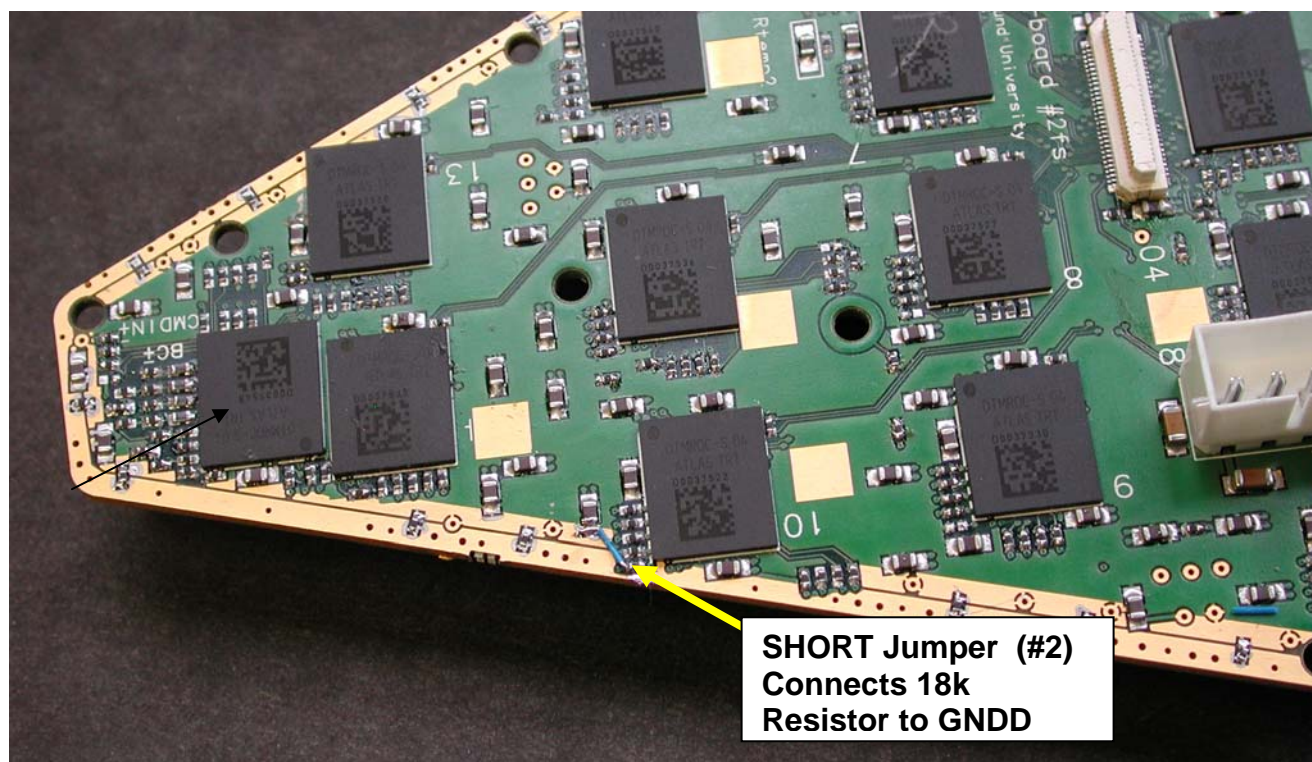
**Zoomed view of assembly drawing with jumper (#1) location indicated.**





## Instructinos for Jumper #2 ( also at location #10, DTMROC side)

The 18k ohm resistor indicated below does not connect to digital ground (GNDD) due to a mistake in the via thermal. The jumper indicated will remedy this connection.



The picture above shows two views of the jumper installed at DTMROC location #10. The via to the right offers an alternative connection point for the connection of the jumper to Digital Ground ( GNDD).

**Zoomed view of assembly drawing with jumper ( #2) location indicated. Jumper shown as stuffed. It may connect to the via labeled “GND101” instead of CPD125.**

