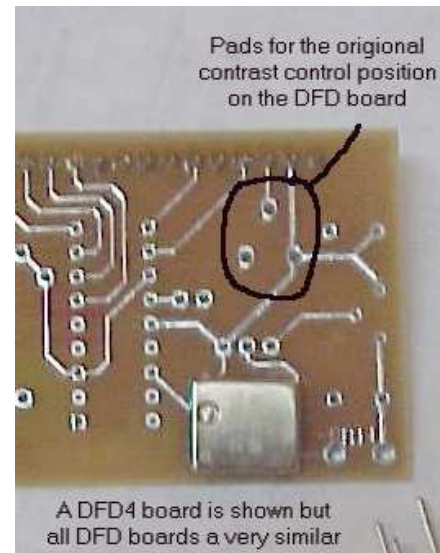
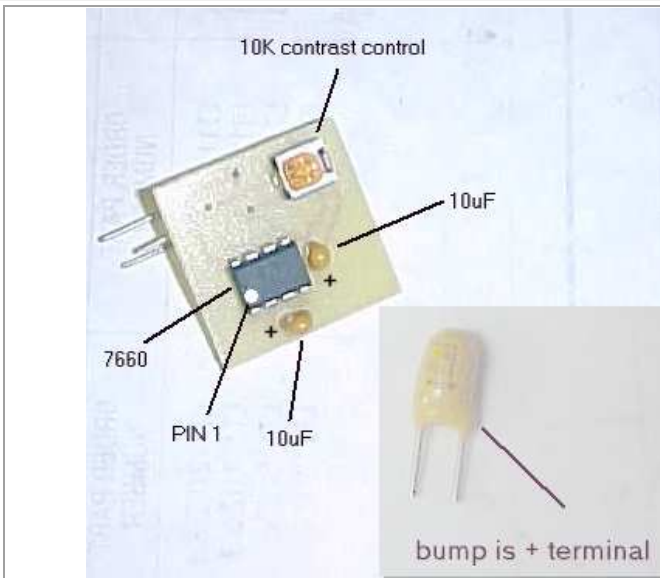


LCD Bias board assembly and installation. (for the biggy display only)

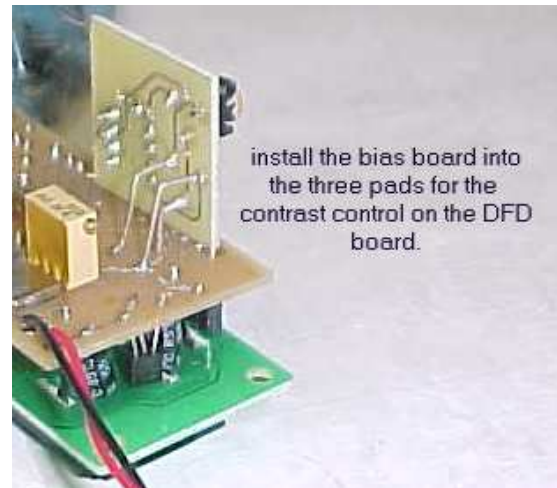
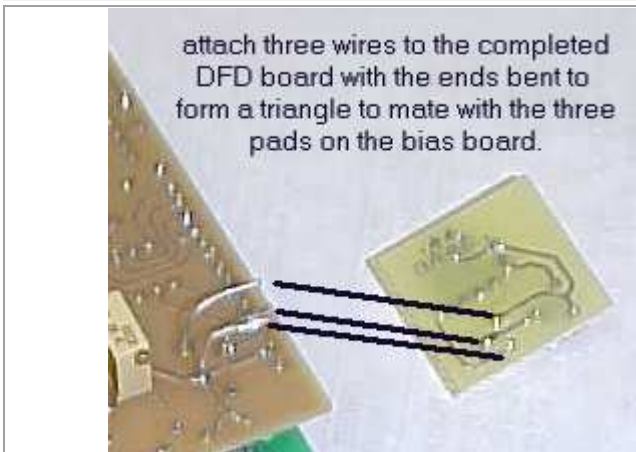
The biggy display is a high temperature / high contrast version requiring a negative bias. This is done by inverting the +5 V supply on the DFD to -5 V using an ICL7660 chip.

Study all four pictures carefully before beginning assembly



Assemble the components on the bias board as shown.

The bias board is designed to replace the contrast control of the DFD board. The new contrast control is on the bias board.



IMPORTANT solder the wires to the DFD board first, not the bias board.

Complete assembly of the DFD, except for the contrast control, then attach 3 AWG 20 solid wires (supplied) bent to mate with the bias board as shown.

then install the bias board in the position shown above.



From a 5volt supply connect 7.5 ohm resistor A (anode) and ground K (cathode) terminals on the edge of the display. For higher supply voltages compute resistor $R = \text{supply voltage} - 4 \text{ volts} / \text{desired current (100ma. recommended)}$
resistor should have power rating twice actual dissipation