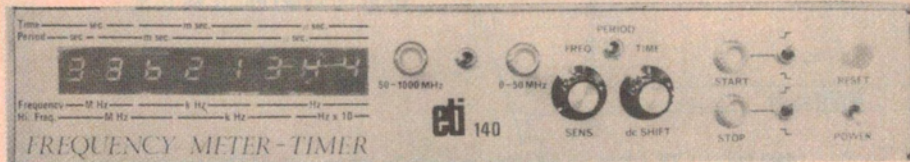


Mods to the ETI-140 1 GHz frequency counter



The following modifications to the ETI-140, from **Kit Scally of North Ryde NSW**, will make it a little easier to use.

Firstly, an extra two decimal points on the display improves the appearance of the reading. Change R75 from 470R to 220R and common the decimal point on display 1 to displays 4 and 7 (pin 6 on each IC).

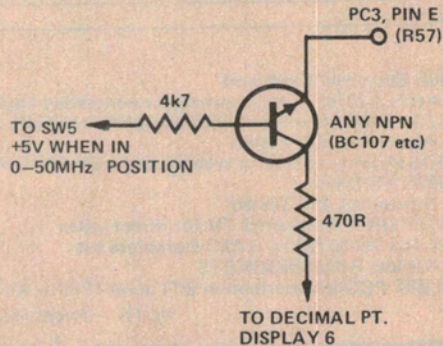
If the decimal point on display 5 lights dimly when using the "time with pre-scale", this can be cured by adding a 1N914 diode in series with pcb pin E and

SW5, anode to the switch.

To produce a MHz/kHz decimal point on the 0-50 MHz range, add the extra circuitry shown here. The components may be 'hung' off the board.

The PL18/20VA transformer in the power supply runs hot and this may be replaced by a PL18/40VA unit to reduce the temperature. A one amp, quick blow 3AG fuse placed in the primary circuit is also a good idea.

Erratic readings when measuring frequencies below 100 Hz can be cured by



using a 1M resistor as a dc ground return. Place it from input to ground for these signals.