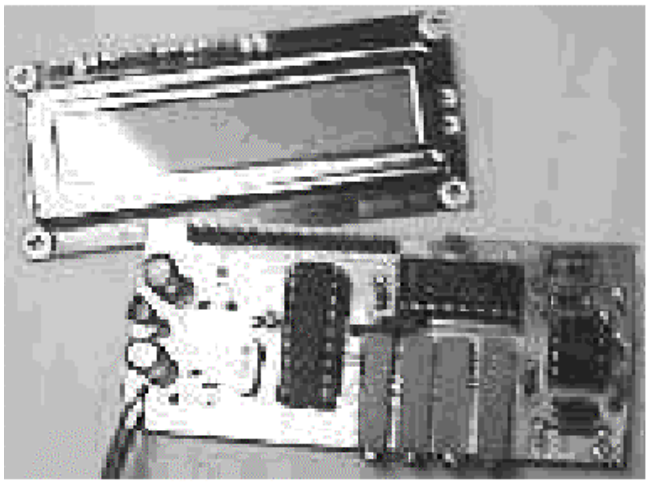
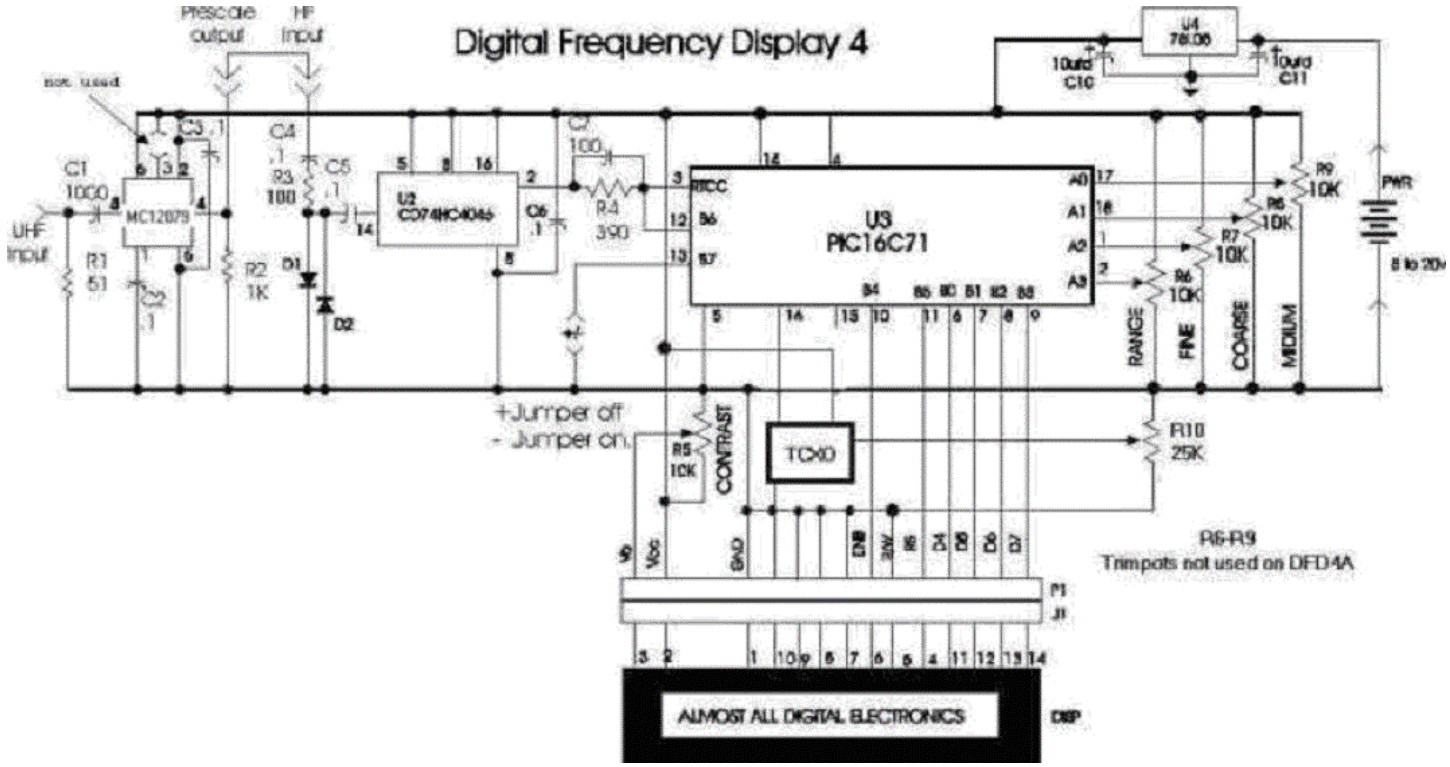
DFD4A frequency counter instructions.



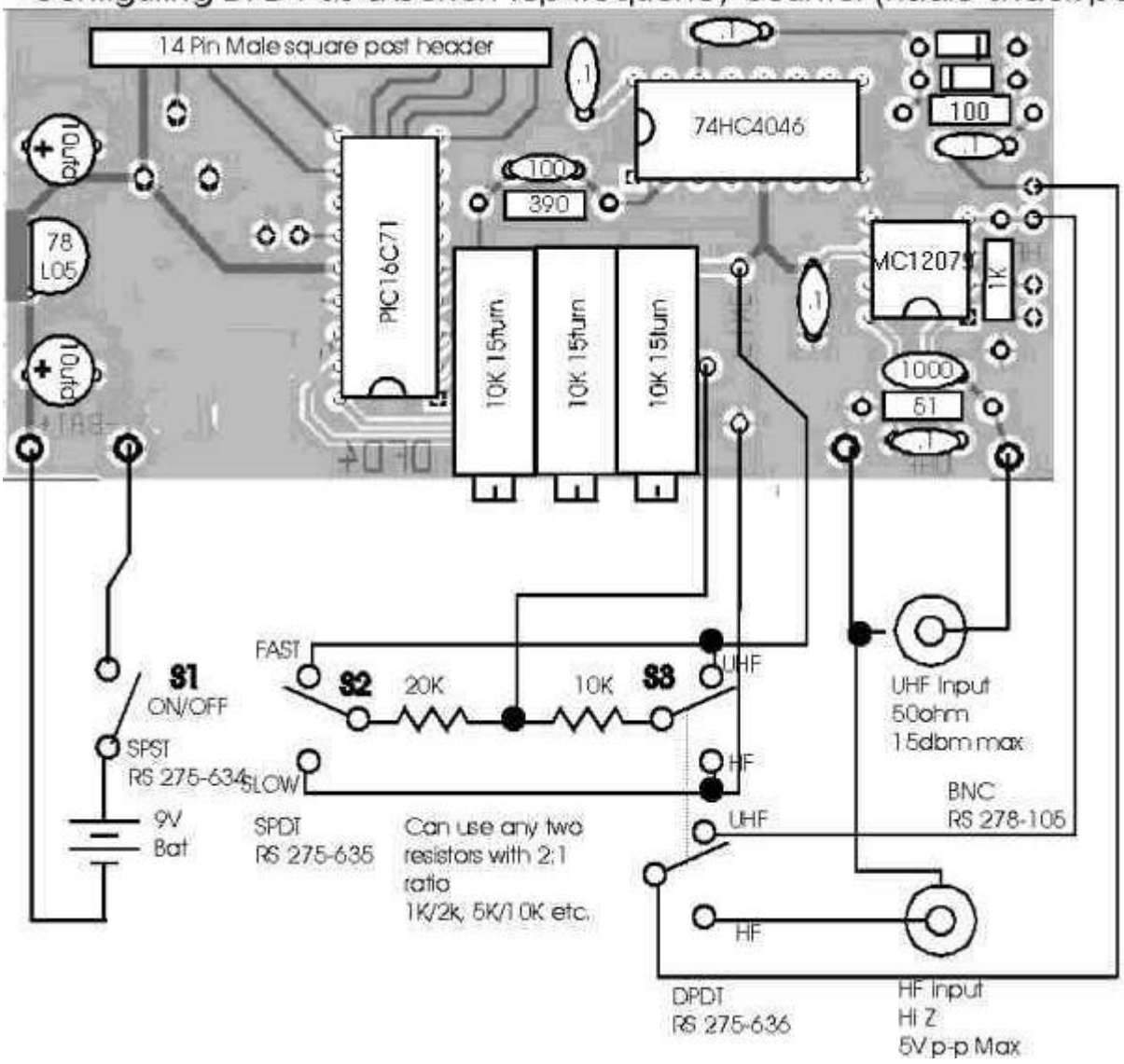
SPECIFICATIONS:
HF 0-30MHz, Hi-Z, 5V p-p max
(input protected for overvoltage)
UHF 10-3000MHz, 50ohm, 15dbm max.

MODES:
1) HF SLOW - resolution 1Hz, gate time 1 Sec
2) HF FAST - resolution 10Hz, gate time 0.1 Sec
3) UHF SLOW - resolution 100Hz, gate time 1.28 Sec
4) UHF FAST - resolution 1000Hz, gate time 0.128 Sec
(mode displayed momentarily when changed)

IF OFFSET:
+/- 0 to 2 GHz in 1KHz steps
Jumper on = -
Jumper off = +



Configuring DFD4 as a bench top frequency counter (Radio Shack part numbers)



Setup

In HF mode it may indicate erratic frequency displays when there is no signal connected to the input. In UHF mode it will oscillate at about 2GHz with no signal connected to the input.

CALIBRATION

- **There are many ways to calibrate a frequency counter depending on available test equipment.**
- **The simplest is to zero beat a signal generator against WWV (receiver bfo off) while measuring the generators frequency with the counter.**
  - **Adjust the 25 turn trimpot on the back of the PCB to obtain the WWV frequency on the counters display.**
  - **Or listen to TCXO on receiver while zero beating it to WWV on 20MHz.**

- **Any other KNOWN frequency can also be used.**