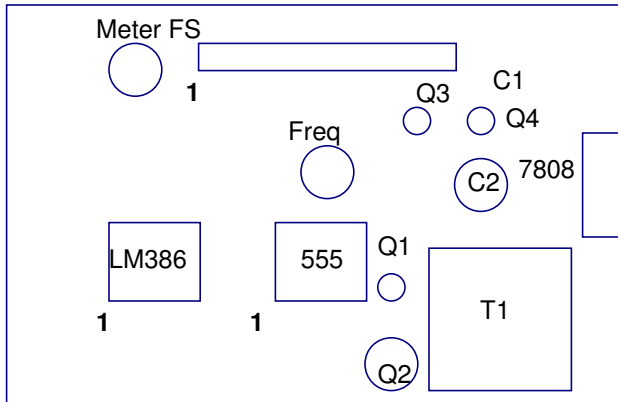
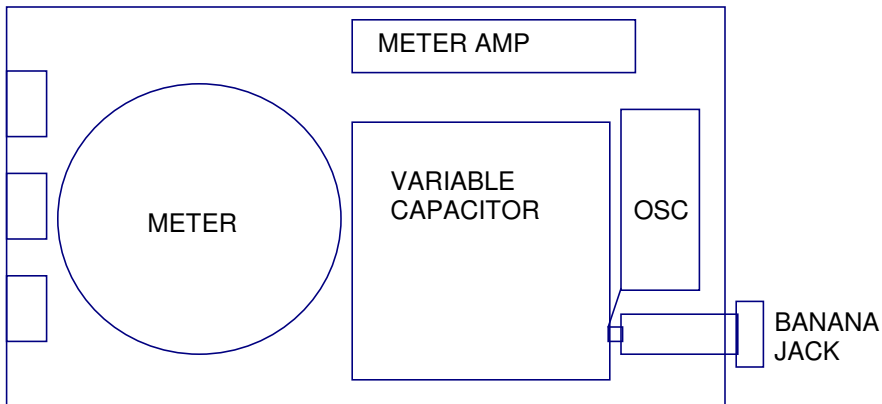


METER AMP COMPONENT SIDE



HEADER PINS

- 1 Meter OP-AMP Out
- 2 Gain Pot Wiper
- 3 NC
- 4 NC
- 5 Grid current
- 6 Vp ctl
- 7 +30V Plate
- 8 +8V Out
- 9 Gnd
- 10 12V In



NOTES

Oscillator circuit based on an old Measurements Corp. Model 59 "Megacycle Meter" - the best grid dip meter that I've ever seen or used. It had a 955 acorn tube.

C3a, C3b 4.5 - 129 pF two section variable. Note that the frame is not grounded so you will need an insulated shaft or knob to keep your hand from affecting the tuning. The original used 110pF sections and other, larger values would probably also work.

BAND COILS

	FREQ	L	Form
A	1.3 - 2.8	288uH	3/4" 1120 PVC
B	2.8 - 8.3	47uH	1/2" CPVC
C	8.3 - 22.6	5.3uH	1/2" CPVC
D	22.6 - 62	0.6uH	1/2" CPVC
E	62 - 179	Hairpin	#12 13/16" W x 2-1/8" L

Coil bases salvaged from old Tek scope parts w/ banana plugs on 3/4" centers

R1 and R2 in the original were 13.6K each consisting of two 6.8K resistors in series. The schematic shows lots of 110K resistors just because I had them - 100K OK.

Q4 HV Control can be used to adjust the plate voltage or switch it off for diode detector mode.