

Parts for One Megahertz Transmitter, Rev 01

I bought the oscillator chip, socket, perf board, switch, and voltage regulator from Jameco Electronics (jameco.com).

Item number	Manufacturer P/N	Description	Quantity	Unit	Unit price	Amount
27861	OSC1	CRY,OSC,1MHz,100ppm,5V@45mA, 15ns,R/F,F/C,14PIN SKT TTL 1 MHz Full Can Crys	4	EA	1.9500	7.80
51262	7805T	IC,7805T,5V,1A,POSIT(L7805CV,LM340T-5,TA78005AP,MC7805CT) IC 7805T 5V 1A Po	4	EA	0.5500	2.20
133006	2001-2X7-4CP	SOCKET,OSC,CRYSTAL,14POS,4 PIN,DIP,0.3 WIDTH,THRU HOLE,LP Machine Tooled 4	4	EA	0.6500	2.60
616690	22-516	PERFORATED,BARE,PC,BD,4,1/2"Wx6"Hx1/16"Thk,Phenolic material PERFORATED BAR	1	EA	4.2500	4.25
2230328	66-1201	SWITCH,TOGGLE,SPST,2-POS,ON-OFF,6A@125VAC,3A@250VAC Toggle Switch SPST ON-O	4	EA	1.2500	5.00

The 0.01uF capacitors and 1N4001 diodes I used came from part kits my father bought me for Christmas a few years back. He knows how to buy good gifts. Electronic parts are always better than clothes!



Transmitter case came from Harney Sons Fine Teas.

Battery holder, standoff hardware, SO-239, and 3.5 mm audio jack all came from my stash of electronic parts in my workshop.

According to my electronic consultant, there is a lot of flexibility in how you build this. His recommendation is to keep leads as short as possible.