

J. Sousa 12-27-2010

**+350VDC** Geiger tube 400V power supply with speaker output.

D1, C2, NE1 harvested from disposable camera

400V is regulated for battery between 2.7V and 4V  
C4=470uF (6.3V) is necessary for startup, 500 Ohms may also be used in parallel.

NE1 power indicator

LVSUPPLY

goldmine-elec.com  
g16565  
CCFL supply  
Transformer:  
TDK 23 TN  
16EPC-T06

L1  
L



D1  
flash

R12 80uA  
220K

R10 7.5MEG  
C5 150pF

C2 2200p

D5  
1N4148

MPSU51 or TIP32  
Vcsat<200mV at  
100mA Beta=50

65mA  
Alkaline

C4 470μ  
2xC  
3V

~2.6VDC

LVSUPPLY

BETA-2  
Russian  
Geiger  
Tube

Anode  
BETA-2  
Cathode

R8  
2.2MEG

R9  
10Meg

200K  
R11  
1MEG

2n3906  
Q4

2n3906  
Q5

TIP32  
Q6

C3  
1μF

tic-2-TOC Converter

tic-tic-tic

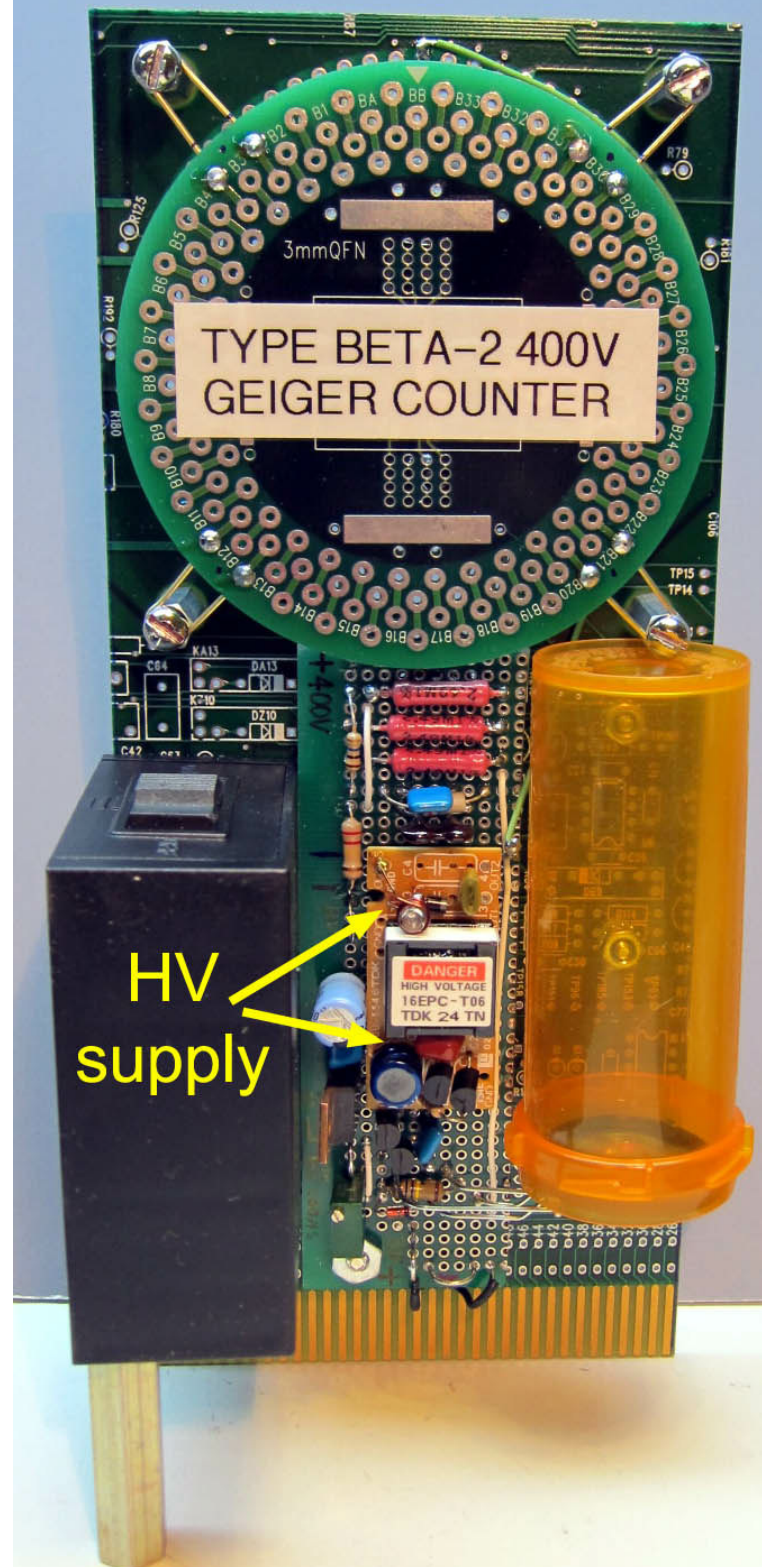
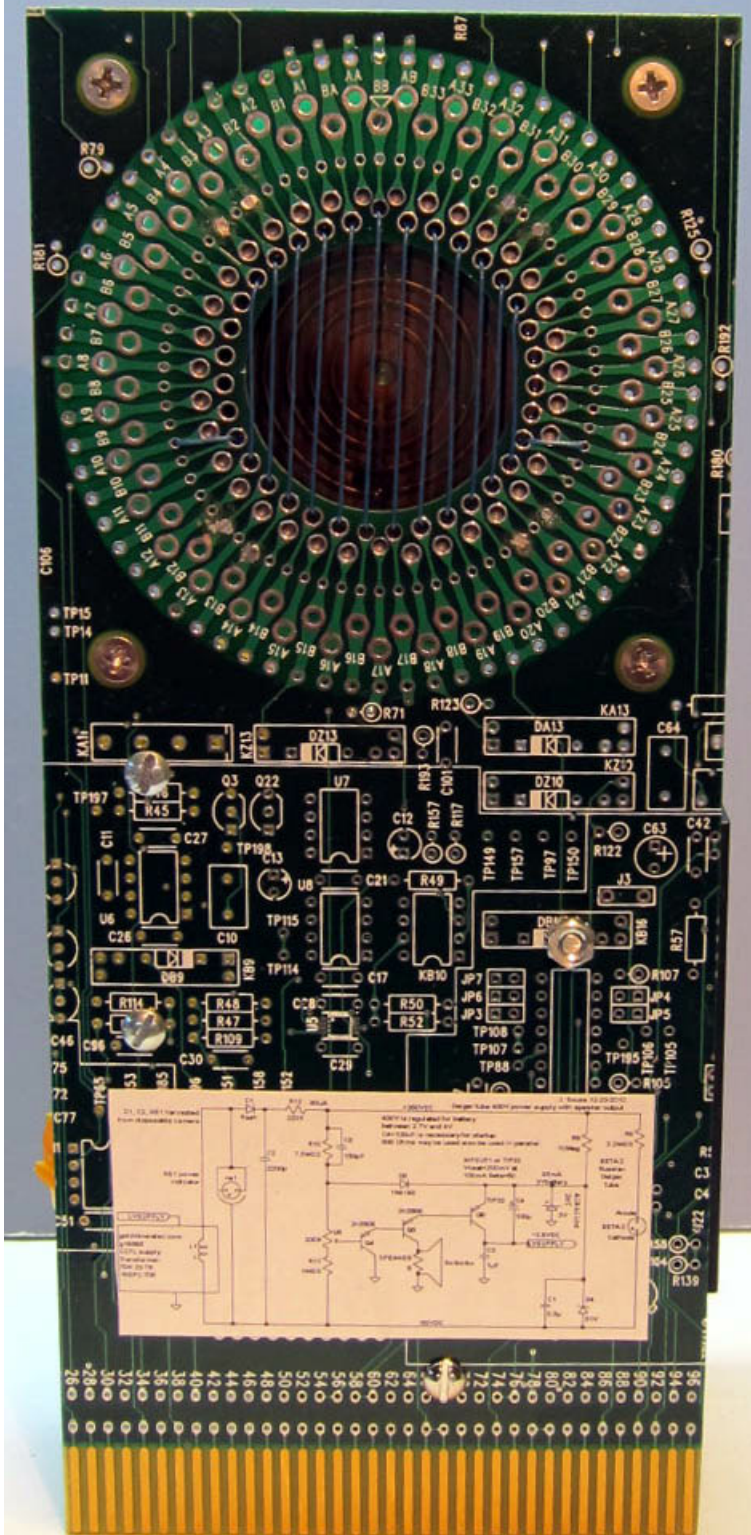
SPEAKER

+2V  
+1V  
0V  
100us

-50VDC

C1  
0.5μ

D4  
51V





Pancake Geiger-Müller tube  
10u-14u  
Mica  
Window

