Slide switch to switch between external pwr & battery power

2.1mm DC connector jack

1×3 pin header to choose ext pwr source btw USB & DC jack

2 pin DIP switch to turn off power and aux LEDs

1×8 header connector

1×6 pin headers

2×3 header for debug/programming

ANT1
BLN1
C10 R2
C5
R3
C12
C16
U2
R9 Q1 JP2
R15
R16
Q2
R22
Y1
C20
C2
C4
C7
C8
C11 C13
R4 C14
C15 R5 R6
D2 D3
R11 R12
R13 R14
R17 R18
R19 R20
R23 R24
R25
L1
J1
C1
C3
S1
R1
D1
VR1
VR2
U1
R7 R8
JP7
J2
SW2 SW1
C17
JP3
D4 R10
R21
C22
C24
C23
C19 +
C21 +
C8
C9
D5
L3
L2 D6
U3
JP5
C16
JP4
S2
H3
U4
BATT1

peizo buzzer for audible tones on events

2 pin DIP switch to turn off speaker and LED

PWR

SPEAKER

BEEP LED

EVENT

TOKYO HACKERSPACE
Safecast
Geiger Maps Jp
NETRAD-v1.0

open hardware

GND

INV PWR
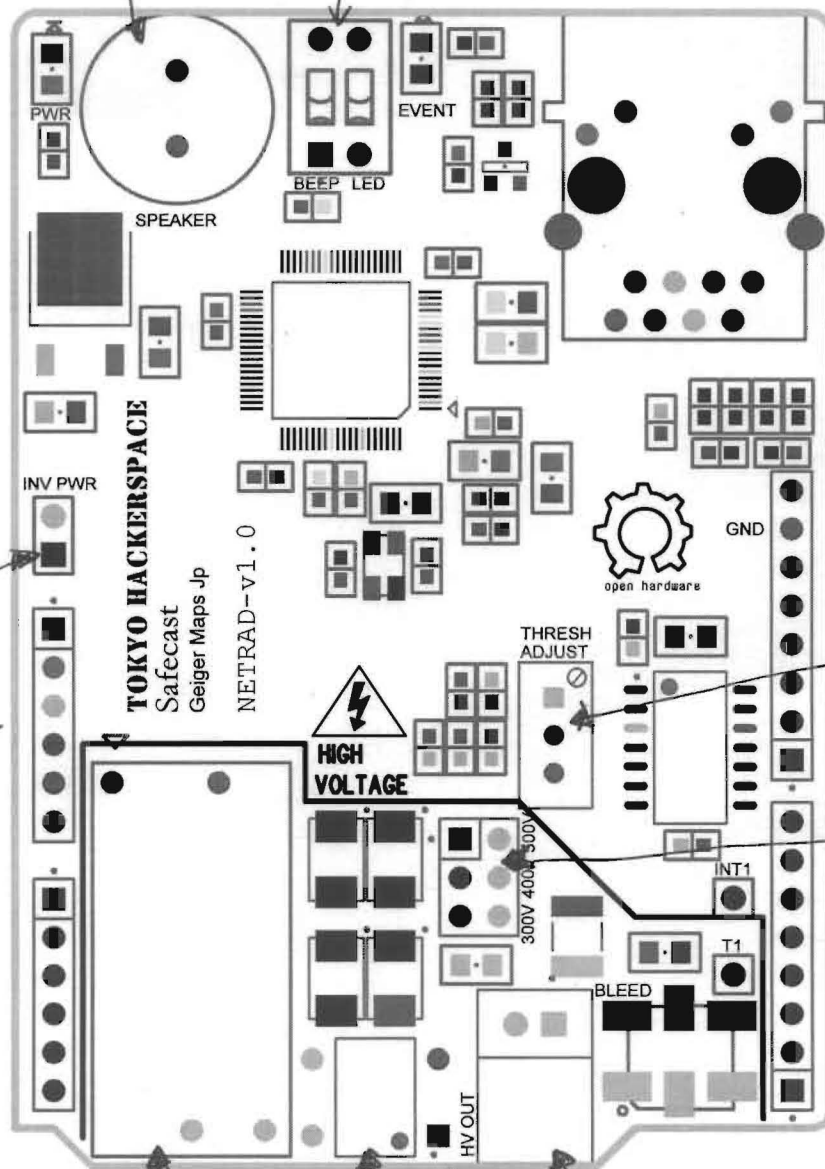
1x2 pin header for removing power to HV supply

THRESH ADJUST

HIGH VOLTAGE

300V 400V 500V

INT1

T1

BLEED

HV OUT

10KΩ trimmer potentiometer for setting detector threshold

2x3 pin header for output voltage selection via jumper

CCFL HV module

tapered side DF06M bridge rectifier

right angle cable connector to geiger tube