DIY Particle Detector v1.2 - overview of electronic components
1-diode variant for measuring energy of alpha particles and electrons
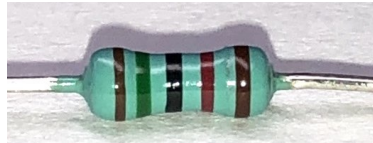
Resistor values in Ohm:

R1, R4   4k7 (4.7 k)

yellow purple black brown (brown)

R2   15 k

brown green black red (brown)

R3   40 M

black SMD resistor
(SMD = Surface Mounted Device)

R5   1 M

brown black black yellow (brown)

R6, R7, R8 10 k

brown black black red (brown)

R9   2k2 (2.2 k)

red red black brown (brown)

Capacitor values in Farad:

C1, C2   10 p

marking: 100

C3, C5, C7, C10   100 n

marking: 104

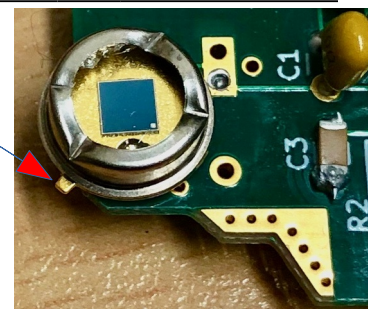| C4	C6	C9
470 n (474)	3n3 (332)	6n8 (682)

C8   47 u

polarity: short pin= -   long pin = +

D1 *or* D4: Silicon PIN Diode BPX61:

polarity: pin with notch = anode

U1 Dual Operational Amplifier:

TLE2072(A)CP

polarity: circles mark position of pin 1

Check the main project description and schematic for general notes:
www.github.com/ozel/DIY_particle_detector