

EVALUATION BOARD/KIT IMPORTANT NOTICE

This evaluation board/kit is intended for use for **ENGINEERING DEVELOPMENT, DEMONSTRATION, OR EVALUATION PURPOSES ONLY** and is not considered to be a finished end-product fit for general consumer use. Persons handling the product(s) must have electronics training and observe good engineering practice standards. As such, the goods being provided are not intended to be complete in terms of required design-, marketing-, and/or manufacturing-related protective considerations, including product safety and environmental measures typically found in end products that incorporate such semiconductor components or circuit boards.

Part #	REF	QTY	Value	Desc
1	R1	1	4.7M (Can vary on tube)	 Carbon Film Resistors - Through Hole 5%
2	R2	1	100K	 Carbon Film Resistors - Through Hole 5%
3	R3	1	22K	 Carbon Film Resistors - Through Hole 5%
4	R4	1	10K	 Carbon Film Resistors - Through Hole 5%
5	R5 (unmarked on board -see diagram)	1	4.7M	 Carbon Film Resistors - Through Hole 5%
6	R6 (unmarked on board -see diagram)	1	20K	 Carbon Film Resistors - Through Hole 5%
7	R7	1	330R	 Carbon Film Resistors - Through Hole 5%
8	L1	1	10mH	Power Inductors 10000UH RADIAL COIL CHOKE
9	C1	1	0.01uF	Ceramic Disc Capacitors 0.01UF 1KVDC (103)
10	C2	1	220pF	Ceramic Disc Capacitors 220PF 1KVDC (221)
11	C3	1	1nF	Ceramic Disc Capacitors 50V
12	D1	1	1N4937	Rectifiers 1.0a Rectifier Fast Recovery
13	Q1	1	PHD13003C	NPN power transistor with integrated diode
14	Q2 / Q3	2	2N3904	NPN bipolar junction transistor
15	U1	1	3x6x4.3	3x6x4.3mm MOMENTARY TACTILE BUTTON DIP 2 PIN
16	U2	1	2 pin SMD	2 Pin MicroUSB connector
17	OLED	1		SSD1306 128x64 I2C
18	HV	1	SS12D00G3	2 Position SPDT 3 Pin PCB Panel Mini Vertical Slide Switch
19	D1MINI			Wemos D1 Mini v3.0.0

20	LED1	1	Red	LED-TH-3mm_R
21	BUZZER1	1	12mm	5v TH BUZZER 2PIN 12095
22	FuseHolder	2	5mm fuse holder	For geiger tube - adjustable placement
23	Male header	1	6PIN	Board IO
24	Male header	1	2PIN	Buzzer blip enable
25	Jumper	1	2PIN	Buzzer blip enable
26	Female header	2	8PIN	WEMOS D1 header
27	Female header	1	4PIN	OLED header
26 (optional)	R1 Female header (optional)	1	5PIN	For swappable R1 resistor

