

Count	RefDes	Value	Description	Digikey	Manufacturer	Manufacturer PN	
OpenGeiger Revision 1, Open source geiger tube interface							
1	R15	3.3 OHM	Res, 3.3 OHM 5% 0805	311-3.3ARCT-ND	Yageo	RC0805JR-073R3L	
1	R16	100 OHM	Res, 100 OHM 5% 0805	1276-5508-1-ND	Samsung	RC2012J101CS	
1	R20	4.7K	Res, 4.7K 5% 0805	311-4.7KARCT-ND	Yageo	RC0805JR-074K7L	
1	R4	10K	Res, 10K 5% 0805	311-10KARCT-ND	Yageo	RC0805JR-0710KL	
1	R7	27K	Res, 27K 5% 0805	311-27KARCT-ND	Yageo	RC0805JR-0727KL	
2	R6,R5	33K	Res, 33K 5% 0805	311-33KARCT-ND	Yageo	RC0805JR-0733KL	
1	R2	47K	Res, 47K 5% 0805	311-47KARCT-ND	Yageo	RC0805JR-0747KL	
1	R10	75K	Res, 75K 5% 0805	311-75KARCT-ND	Yageo	RC0805JR-0775KL	
1	R1	121K	Res, 121K 1% 0805	311-121KCRCT-ND	Yageo	RC0805FR-07121KL	
1	R23	150K	Res, 150K 5% 0805	311-150KARCT-ND	Yageo	RC0805JR-07150KL	
1	R13	200K	Res, 200K 5% 0805	311-200KARCT-ND	Yageo	RC0805JR-07200KL	
4	R17,R19,R21,R22	390K	Res, 390K 5% 0805	311-390KARCT-ND	Yageo	RC0805JR-07390KL	
3	R3,R8,R9	1M	Res, 1.0M 1% 0603	311-1.00MHRCT-ND	Yageo	RC0603FR-071ML	
1	R18	4.99M 1% 1206	Res, 4.99M 1% 1206	311-4.99MFRTR-ND	Yageo	RC1206FR-074M99L	
1	C11	12pf	Cap, 12PF 50V 5% NPO 0603	445-1270-1-ND	TDK	C1608C0G1H120J080AA	
1	C4	33PF	Cap, 33PF 50V 5%CN	1276-1105-1-ND	Samsung	CL21C330JBANNNC	
1	C5	390PF	Cap, 390PF 50V 5%CN	399-1132-1-ND	Kemet	C0805C391J5GACTU	
4	C2,C3,C23,C24	1 nF	Cap, 1.0NF 50V 5% NPO CN	478-1328-1-ND	AVX	08055A102JAT2A	
1	C18	2.7NF	Cap, 2.7NF 50V 5%CN	445-7508-1-ND	TDK	C2012C0G1H272J060AA	
3	C17,C20,C21	4.7NF	Cap, 4.7NF 500V 5%EN	490-3510-1-ND	Murata	GRM31BR72J472KW01L	
2	C19,C22	10nf	Cap, 10NF 1KV X7R 1210	478-2958-1-ND	AVX	1210AC103KAT1A	
1	C16	22NF	Cap, 22NF 50V 10%CX	399-1163-1-ND	Kemet	C0805C223K5RACTU	
4	C1,C6,C7,C13	1uF	Cap, 1UF 25V 10%CX	1276-1066-1-ND	Samsung	CL21B105KAFNNNE	
2	C10,C15	10uF	Cap, 10UF 16V 10%CX	1276-2872-1-ND	Samsung	CL21B106KOQNNNE	
4	CR1,CR2,CR3,CR4	RS1J	DIODE_RS1J	RS1JFSCT-ND	Fairchild	RS1J	
2	D1,D3	BAS516	DIODE_SOD523	568-1603-1-ND	NXP	BAS516,115	
1	D2	MBR0540	Diode_SCHOTTKY_SOD123	MBR0540CT-ND	Fairchild	MBR0540	
2	Q1,Q4	MMBT2222A	MMBT2222A	MMBT2222ALT1GOSCT-ND	On Semiconductor	MMTB2222ALT1	
1	Q5	MMBT5089LT1	MMBT2222A	MMBT5089LT1GOSCT-ND	On Semiconductor	MMTB2222ALT1	
1	Q3	MMBT2907A	MMBT2907A	MMBT2907ALT1GOSCT-ND	On Semiconductor	MMBT2907ALT1G	
1	U1	MC14538BD	MC14538BD	MC14538BDR2GOSCT-ND	On Semiconductor	MC14538BDR2	
1	U3	TPS61041	REG_5PIN_SOT23	296-12686-1-ND	TI	TPS61041DBVR	
1	U2	TPS70933	VREG_SOT23-5	296-35483-1-ND	TI	TPS70933DBVR	
2	CR5,CR6	150V	ZENER-SMB	1SMB5953BT3GOSCT-ND	On Semiconductor	1SMB5953BT3G	
1	CR7	200V	ZENER-SMB	1SMB5956BT3GOSCT-ND	On Semiconductor	1SMB5956BT3G	
1	L1	22uH	INDUCTOR-4MM-22UH	445-6546-1-ND	TDK	VLCF4028T-220MR72-2	
1	T1		XFMR_SUMIDA		Int. Medcom	S211988	
1			PCB, OpenGeiger rev 1		OSH Park		

<b>Optional Parts</b>							
0.0625	J1	Legacy I/O	connector 3 pin male	S1011EC-40-ND	Sullins	PRPC040SAAN-RC	
1			anode cable assembly		Int. Medcom		
2	TP1,TP3	ANODE,CATHODE	TESTPIN	151-101-RC Mouser	Kobiconn	151-101-RC	
1	TP5	GND	TESTPOINT				
<b>Parts not loaded</b>							
1	TP2	HV	TESTPAD				
1	TP4	XFMRP1	TESTPOINT				
1	J1	Power	CONN3_100				