

Bill of Materials

TIDA-01090

Item	Qty	Reference	Value	Part Description	Manufacturer	anufacturer Bart Numbe	Alternate Part	PCB Footprint	Note
1	2	C1,C4	1.0μF	Capacitors	Kemet Electronic Components	C0805C105K5RACTU		0805	
2	3	C2,C3,C5	0.1μF	Capacitors	Kemet	C0805C104J5RACTU		0805	
3	9	R2,R3,R4,R6,C6,R7,C7,C8,C9	DNI	Undefined Category	DNI	DNI		DNI	
4	1	C10	10μF	Capacitors	Kemet	T498D106K050ATE1K0		7343-31	
5	1	C11	68μF - LESR	Capacitors	Kemet Electronic Components	B45197A4686K409		7343-31 (EIA)	
6	2	C12,C13	DNI	Undefined Category	DNI	DNI		DNI	
7	1	C14	10000pF	Capacitors	Murata Electronics North America	GRM21BR72A103KA01L		0805	
8	1	C15	0.47μF	Capacitors	Venkel	C0805X7R50R474MNE		0805	
9	1	C16	0.1μF	Capacitors	Kemet	C0805C104J5RACTU		0805	
10	1	D1	LED - Blue Diffused	Optoelectronics	Avago	HSMR-C170		0805	
11	1	D2	LED - Green Diffused	Optoelectronics	Lumex Opto Components Inc	SML-LXT0805GW-TR		0805	
12	1	D3	LED - Red Diffused	Optoelectronics	Lumex Opto Components Inc	SML-LXT0805IW-TR		0805	
13	9	1,JMP2,JMP3,JMP4,JMP6,JMP7,JMP8,JMP9,JM	4 x 1	Connectors	Samtec Inc	HTSW-104-07-G-S		0.1"	
14	4	JMP11,JMP12,JMP13,JMP14	3 x 1	Connectors	Samtec Inc	HTSW-103-07-G-S		0.1"	
15	1	JMP15	2 x 1	Connectors	Samtec Inc	HTSW-102-07-G-S		0.1"	
16	3	R1,R11,R14	1.00K	Resistors	Vishay Dale	CRCW08051K00FKEA-		0805	
17	1	R5	120 OHM	Resistors	ROHM Semiconductor USA, LLC	ESR10EZPF1200		0805	
18	3	R8,R9,R10	0.0 (Zero Ohm)	Resistors	Yageo	RC0805JR-070RL		0805	
19	2	R15,R16	0.0 (Zero Ohm)	Resistors	Yageo	RC0805JR-070RL		0805	
20	1	R17	6.20K	Resistors	Yageo America	RC0805FR-076K2L		0805	
21	1	R18	12.0K	Resistors	Panasonic Electronic Components	ERJ-6ENF1202V		0805	
22	2	TB1,TB2	3 Pin Female R/A	Connectors	Phoenix Contact	1725669		2.54mm	
23	1	U1	SN65HVD3088ED	Integrated Circuits	Texas Instruments	SN65HVD3088ED		8-SOIC	
24	1	U2	NA555DR	Integrated Circuits	Texas Instruments	NA555DR		8-SOIC	

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