

Bill of Materials

TI DESIGNS

TIDA-01171

Item	Qty	Reference	Value	Part Description	Manufacturer	Manufacturer Part Number	Alternate Part	PCB Footprint	Note
1	2	C1,C4	1uF	Capacitors	Kemet Electronic Components	C0805C105K5RACTU		0805	
2	6	C2,C3,C5,C14,C15,C16	0.1uF	Capacitors	Kemet	C0805C104J5RACTU		0805	
3	15	R3,R4,R6,C6,R7,C7,C8,C9,C12,C13,R16,C17,R20,R21,R22	DNI	Undefined Category				0805	
4	1	C10	10uF	Capacitors	TDK	C2012X5R1V106K085AC		0805	
5	1	C11	47uF	Capacitors	TDK	C2012X5R1A476M125AC		0805	
6	2	C18,C19	1nF	Capacitors	TDK	CGA4F2X7R2A102K085AE		0805	
7	1	D1	BLUE LED Diode	Optoelectronics	Avago	HSMR-C170		0805	
8	1	D2	GREEN LED Diode	Optoelectronics	Lumex Opto Components Inc	SML-LXT0805GW-TR		0805	
9	1	D3	RED LED Diode	Optoelectronics	Lumex Opto Components Inc	SML-LXT0805IW-TR		0805	
10	6	JMP1,JMP2,JMP3,JMP4,JMP6,JMP7	Header 4x1	Connectors	Samtec Inc	HTSW-104-07-G-S		0.1"	
11	4	JMP11,JMP12,JMP13,JMP14	Header 3x1	Connectors	Samtec Inc	HTSW-103-07-G-S		0.1"	
12	3	JMP15,JMP16,JMP17	2 Pin Berg Jumper	Connectors	Samtec Inc	HTSW-102-07-G-S		0.1"	
13	3	R1,R11,R14	1k Ohms	Resistors	Vishay Dale	CRCW08051K00FKEA-		0805	
14	1	R5	120 Ohm	Resistors	ROHM Semiconductor USA, LLC	ESR10EZPF1200		0805	
15	6	R10,R15,R17,R18,R19,R23	0 Ohm	Resistors	Yageo	RC0805JR-070RL		0805	
16	2	TB1,TB2	3PIN_TERMINAL_BLOCK	Connectors	Phoenix Contact	1725669			
17	1	U1	SN65HVD96	Integrated Circuit	Texas Instruments	SN65HVD96		8-SOIC	
18	1	U2	SN65HVD3088	Integrated Circuit	Texas Instruments	SN65HVD3088		8-SOIC	
19	1	U3	CD74HC112	Integrated Circuit	Texas Instruments	SN74HC112		16-SOIC	
20	1	U4	SN74LVC1G04	Integrated Circuit	Texas Instruments	SN74LVC1G04		SOT-23	

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