

Bill of Materials

TI DESIGNS

TIDA-00862

Item	Qty	Reference	Value	Part Description	Manufacturer	Manufacturer Part Number	PCB Footprint
1	1	PCB		Printed Circuit Board	Any		
2	5	C1, C5, C7, C8, C9	0.1uF	CAP, CERM, 0.1uF, 25V, +/-10%	AVX	06033D104KAT2A	603
3	2	C10, C11	2200pF	CAP, CERM, 2200pF, 50V, +/-10%	AVX	06035C222KAT2A	603
4	1	C2	22uF	CAP, 22uF	Any	Any	7343
5	1	C3	10uF	CAP, 10uF	Any	Any	805
6	1	C4	1uF	CAP, 1uF	Any	Any	1206
7	1	C6	0.01uF	CAP, 0.01uF	Any	Any	1206
8	3	R2, R6, R12	1k Ohm	RES, 1k ohm, 1%, 0.1W	Vishay-Dale	CRCW06031K00FKEA	603
9	1	R1	4.5k Ohm	RES, 4.5k ohm, 1%, 0.1W	Vishay-Dale	CRCW06034K53FKEA	603
10	1	R5	120 Ohm	RES, 120 ohm, 1%, 0.1W	Vishay-Dale	CRCW0603120RFKEA	603
11	3	R4, R8, R11	N/A	Uninstalled Resistor	N/A	N/A	603
12	4	R3, R7, R9, R10	30 Ohm	RES, 30 ohm, 1%, 0.1W	Vishay-Dale	CRCW060330R0FKEA	603
13	1	D1	Red	Red SM LED	Any	Any	805
14	1	D2	Blue	Blue SM LED	Any	Any	805
15	1	D3	Green	Green SM LED	Any	Any	805
16	2	P1, P2		Connector, Banana Jack, Uninsulated	Pomona	3267	0.500 dia. Inch
17	9	JMP1, JMP2, JMP3, JMP4, JMP6, JMP7, JMP8, JMP11, JMP12		Header, 100mil, 3x1, Tin, TH	Sullins Connector Solutions	PEC03SAAN	Header, 3 PIN, 100mil, Tin
18	1	JMP5		Header, 100mil, 4x1, Tin, TH	Sullins Connector Solutions	PEC04SAAN	Header, 4 PIN, 100mil, Tin
19	3	JMP9, JMP10, JMP13		Header, 100mil, 2x1, Tin, TH	Sullins Connector Solutions	PEC02SAAN	Header, 2 PIN, 100mil, Tin
20	1	TB1		AMP Connector	TE Connectivity	282834-3	200
21	1	U1		Low-Power RS-485 Full-Duplex Driver/Receiver	Texas Instruments	SN65HVD3806E	14 Pin SOIC
22	1	U2		Sympol Transceiver	Texas Instruments	SN65HVD96	8 Pin SOIC
23	1	U3		Single Inverter	Texas Instruments	SN74LVC1G04	5 Pin SOT-23
24	1	U4		Configurable Multiple-Function Gate	Texas Instruments	SN74LVC1G97	6 Pin SOT-23
25	4	H1, H2, H3, H4		Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	B&F Fastener Supply	NY PMS 440 0025 PH	Screw
26	4	H5, H6, H7, H8		Standoff, Hex, 0.5"L #4-40 Nylon	Keystone	1902C	Standoff

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