

Variant: None
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TIDA-010013 REV E2 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	IPCB1	1		TIDA-010013	Any	Printed Circuit Board	
2	C1	1	0.047uF	GRM188R71E473KA01D	MuRata	CAP, CERM, 0.047 uF, 25 V, +/- 10%, X7R, 0603	0603
3	C2, C4	2	10uF	885012208069	Würth Elektronik	CAP, CERM, 10 uF, 25 V, +/- 10%, X7R, 1206	1206
4	C3, C5, C7, C9, C11	5	0.1uF	GRM155R71E104KE14D	MuRata	CAP, CERM, 0.1 uF, 25 V, +/- 10%, X7R, 0402	0402
5	C6, C8, C10, C12	4	0.01uF	GRM155R71H103KA88D	MuRata	CAP, CERM, 0.01 uF, 50 V, +/- 10%, X7R, 0402	0402
6	D1	1	Green	150120VS75000	Würth Elektronik	LED, Green, SMD	3.2x1.6mm
7	FID1, FID2, FID3	3		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	N/A
8	J1, J2	2		68714014522	Würth Elektronik	Receptacle, 0.5mm, 40x1, Tin, R/A, SMT	Receptacle, 0.5mm, 40x1, R/A, SMT
9	J3	1		1981568-1	TE Connectivity	Connector, Receptacle, Micro-USB Type B, R/A, Bottom Mount SMT	MICRO USB CONN, R/A
10	J17, J18	2		FX18-60S-0.8SV15	Hirose Electric Co. Ltd.	Receptacle, 0.8mm, 30x2, Gold, SMT	Receptacle, 0.8mm, 30x2, SMT
11	LBL1	1		THT-14-423-10	Brady	Thermal Transfer Printable Labels, 0.650" W x 0.200" H - 10,000 per roll	PCB Label 0.650 x 0.200 inch
12	R1, R2, R3, R4, R10, R11, R13, R15, R17	9	10.0k	RCG060310K0FKEA	Vishay Draloric	RES, 10.0 k, 1%, 0.1 W, 0603	0603
13	R5	1	10.0	CRCW060310R0FKEAHP	Vishay-Dale	RES, 10.0, 1%, 0.25 W, AEC-Q200 Grade 0, 0603	0603
14	R6, R7, R8, R9	4	33	EXB-2HV330JV	Panasonic	RES, 33, 5%, 0.0625 W, Resistor Array - 8x1	Resistor Array - 8x1
15	R12, R14	2	0.2	CSR0603FKR200	Stackpole Electronics Inc	RES, 0.2, 1%, 0.125 W, 0603	0603
16	R16	1	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
17	R18	1	12.0k	RC0603FR-0712KL	Yageo	RES, 12.0 k, 1%, 0.1 W, 0603	0603
18	R19	1	0	RC0603JR-070RL	Yageo	RES, 0, 5%, 0.1 W, 0603	0603
19	U1	1		SN75LVDS83BDGG	Texas Instruments	FlatLink 10 - 135 MHz Transmitter with 4 Transmitter Channels, 3.3 V, -10 to +70 degC, 56-pin TSSOP (DGG), Green (RoHS & no Sb/Br)	DGG0056A
20	U2	1		TL431QDCKR	Texas Instruments	Adjustable Precision Shunt Regulator, 34 ppm / degC, 100 mA, -40 to 125 degC, 6-pin SC70 (DCK), Green (RoHS & no Sb/Br)	DCK0006A

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