

Variant: 001
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TIDA-00349 REV E1 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	IPCB1	1		TIDA-00349	Any	Printed Circuit Board	
2	C1	1	1uF	GRM155R61A105KE15D	MuRata	CAP, CERM, 1uF, 10V, +/-10%, X5R, 0402	0402
3	C2	1	22uF	GRM31CR61A226KE19L	MuRata	CAP, CERM, 22uF, 10V, +/-10%, X5R, 1206	1206
4	C3, C8	2	4.7uF	CGB3B1X5R1A475K055AC	TDK	CAP, CERM, 4.7 uF, 10 V, +/- 10%, X5R, 0603	0603
5	C5	1	6.8uF	C1608X5R1E685K080AC	TDK	CAP, CERM, 6.8 uF, 25 V, +/- 10%, X5R, 0603	0603
6	C6	1	4.7uF	C0603C475K8PACTU	Kemet	CAP, CERM, 4.7uF, 10V, +/-10%, X5R, 0603	0603
7	C7	1	1uF	GRM188R71A105KA61D	MuRata	CAP, CERM, 1uF, 10V, +/-10%, X7R, 0603	0603
8	C9, C10	2	10uF	GRM21BR71A106KE51L	MuRata	CAP, CERM, 10uF, 10V, +/-10%, X7R, 0805	0805
9	D1, D2	2	30V	RB520S30,115	NXP Semiconductor	Diode, Schottky, 30 V, 0.2 A, SOD-523	SOD-523
10	H1, H2, H3, H4	4		SJ5382	3M	Bumpon, Hemisphere, 0.25 X 0.075, Clear	75x250 mil
11	J1	1		61300611121	Würth Elektronik eiSos	Header, 2.54 mm, 6x1, Gold, TH	Header, 2.54mm, 6x1, TH
12	J2, J4, J5	3		61300411121	Würth Elektronik eiSos	Header, 2.54 mm, 4x1, Gold, TH	Header, 2.54mm, 4x1, TH
13	J3, J6	2		61300211121	Würth Elektronik eiSos	Header, 2.54 mm, 2x1, Gold, TH	Header, 2.54mm, 2x1, TH
14	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"H x 0.200"W
15	R1	1	1.00k	CRCW04021K00FKED	Vishay-Dale	RES, 1.00k ohm, 1%, 0.063W, 0402	0402
16	R2	1	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, 0402	0402
17	R3	1	0	CRCW08050000Z0EAHP	Vishay-Dale	RES, 0, 5%, 0.333 W, 0805	0805
18	R5, R7	2	499k	CRCW0402499KFKED	Vishay-Dale	RES, 499k ohm, 1%, 0.063W, 0402	0402
19	SH-J4, SH-J5, SH-J6	3	1x2	969102-0000-DA	3M	Shunt, 100mil, Gold plated, Black	Shunt
20	T1	1	3mH	750314839	Würth Elektronik eiSos	Transformer, 3mH, SMT	9.78x10.54x9.14mm
21	U1	1		TPS60402DBV	Texas Instruments	UNREGULATED 60-mA CHARGE PUMP VOLTAGE INVERTER, DBV0005A	DBV0005A
22	C4	0	560pF	GRM155R71H561KA01D	MuRata	CAP, CERM, 560pF, 50V, +/-10%, X7R, 0402	0402
23	FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial
24	R4	0	10.0	CRCW040210R0FKED	Vishay-Dale	RES, 10.0 ohm, 1%, 0.063W, 0402	0402
25	R6	0	0	CRCW08050000Z0EAHP	Vishay-Dale	RES, 0, 5%, 0.333 W, 0805	0805

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