Variant: 001
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TIDA-050044 REV E1 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	!PCB1	1		TIDA-050044	Any	Printed Circuit Board	
2	C2, C4, C5	3	22uF	GRM155R60J226ME11D	MuRata	CAP, CERM, 22 uF, 6.3 V, +/- 20%, X5R, 0402	0402
3	C3	1	68uF	T495D686K020ATE150	Kemet	CAP, TA, 68 uF, 20 V, +/- 10%, 0.15 ohm, SMD	7343-31
4	C6, C10	2	120pF	GRM033R71E121KA01D	MuRata	CAP, CERM, 120 pF, 25 V, +/- 10%, X7R, 0201	0201
5	C7, C8, C9, C11, C12, C13	6	10uF	GRM155R60J106ME47D	MuRata	CAP, CERM, 10 µF, 6.3 V,+/- 20%, X5R, 0402	0402
6	J1, J2, J5, J6	4		TSW-106-07-G-S	Samtec	Header, 100mil, 6x1, Gold, TH	6x1 Header
7	J3	1		TSW-103-07-G-S	Samtec	Header, 100mil, 3x1, Gold, TH	3x1 Header
8	J4	1		N2510-6002-RB	3M	Header (shrouded), 100mil, 5x2, High-Temperature, Gold, TH	5x2 Shrouded header
9	L1, L2, L3	3	240nH	DFE18SANR24MG0L	MuRata	Inductor, Multilayer, Metal Composite, 240 nH, 3.5 A, 0.03 ohm, SMD	1.6x0.8mm
10	R1	1	86.6	RC0201FR-0786R6L	Yageo America	RES, 86.6, 1%, 0.05 W, 0201	0201
11	R4, R6	2	100k	CRCW0201100KFKED	Vishay-Dale	RES, 100 k, 1%, 0.05 W, 0201	0201
12	R5, R8	2	100k	RC0603FR-07100KL	Yageo	RES, 100 k, 1%, 0.1 W, 0603	0603
13	R7	1	324k	RC0201FR-07324KL	Yageo America	RES, 324 k, 1%, 0.05 W, 0201	0201
14	TP1, TP2, TP3, TP4, TP5	5		5002	Keystone	Test Point, Miniature, White, TH	White Miniature Testpoint
15	U1	1		TPS628660AYCGR	Texas Instruments	6-A Step-Down Converter with I2C Interface and Wide Output Voltage Range, YCG0015ACAC (DSBGA-15)	YCG0015ACAC
16	U2, U3	2		TPS62088YFPR	Texas Instruments	3-A High Efficiency Step-down Converter, YFP0006AAAA (DSBGA-6)	YFP0006AAAA
17	U4	1		TLV73318PDQNR	Texas Instruments	Capacitor-Free, 300-mA, Low-Dropout Regulator with Foldback Current Limit for Portable Devices, DQN0004A (X2SON-4)	DQN0004A
18	C1	0	10uF	GRM188D71A106MA73D	MuRata	CAP, CERM, 10 uF, 10 V, +/- 20%, X7T, 0603	0603
19	FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	N/A
20	J7	0		TSW-106-07-G-S	Samtec	Header, 100mil, 6x1, Gold, TH	6x1 Header
21	R2, R3	0	2.00k	RC0603FR-072KL	Yageo	RES, 2.00 k, 1%, 0.1 W, 0603	0603
22	R9	0	102k	ERJ-1GEF1023C	Panasonic	RES, 102 k, 1%, 0.05 W, 0201	0201

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