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TIDA-01366 REV E1 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	IPCB	1		TIDA-01366	Any	Printed Circuit Board	
2	C1	1	47uF	TPSB476K010R0250	AVX	CAP, TA, 47 μ F, 10 V, +/- 10%, 0.25 ohm, SMD	3528-21
3	C11, C12, C21, C22, C31, C32, C35, C36, C39, C42, C44	11	22uF	C2012X7S1A226M125AC	TDK	CAP, CERM, 22 μ F, 10 V, +/- 20%, X7S, 0805	0805
4	C13, C23, C33	3	0.022uF	GRM155R71C223KA01D	MuRata	CAP, CERM, 0.022 μ F, 16 V, +/- 10%, X7R, 0402	0402
5	C16, C26, C28, C40, C43, C45	6	0.1uF	GRM155R71A104KA01D	MuRata	CAP, CERM, 0.1 μ F, 10 V, +/- 10%, X7R, 0402	0402
6	C27	1	10uF	GRM188Z71A106MA73D	MuRata	CAP, CERM, 10 μ F, 10 V, +/- 20%, X7R, 0603	0603
7	C34	1	2700pF	GRM155R71H272KA01D	MuRata	CAP, CERM, 2700 pF, 50 V, +/- 10%, X7R, 0402	0402
8	C46	1	1uF	GRM155R70J105MA12D	MuRata	CAP, CERM, 1 μ F, 6.3 V, +/- 20%, X7R, 0402	0402
9	FB21, FB31, FB32	3	10 ohm	BLM15AX100SN1D	MuRata	Ferrite Bead, 10 ohm @ 100 MHz, 1.74 A, 0402	0402
10	J1, J11, J21, J22, J31, J32, J33	7		TSW-106-07-G-S	Samtec	Header, 100mil, 6x1, Gold, TH	6x1 Header
11	JP1	1		TSW-103-07-T-S	Samtec	Header, 2.54 mm, 3x1, Tin, TH	Header, 2.54 mm, 3x1, TH
12	JP2	1		TSW-102-07-T-S	Samtec	Header, 2.54 mm, 2x1, Tin, TH	Header, 2.54 mm, 2x1, TH
13	L11, L21	2	1uH	XFL4020-102MEB	Coilcraft	Inductor, Shielded, Composite, 1 μ H, 5.4 A, 0.01 ohm, SMD	4x2x4mm
14	L31, L32	2	470nH	XFL4015-471MEC	Coilcraft	Inductor, Shielded, Composite, 470 nH, 3.5 A, 0.0076 ohm, SMD	SMD, 4x4x1.5mm
15	R11	1	17.4k	CRCW040217K4FKED	Vishay-Dale	RES, 17.4 k, 1%, 0.063 W, 0402	0402
16	R12, R22, R31, R32	4	20.0k	CRCW040220K0FKED	Vishay-Dale	RES, 20.0 k, 1%, 0.063 W, 0402	0402
17	R13, R23, R33, R34	4	100k	CRCW0402100KJNED	Vishay-Dale	RES, 100 k, 5%, 0.063 W, 0402	0402
18	R14, R24	2	8.2k	CRCW04028K20JNED	Vishay-Dale	RES, 8.2 k, 5%, 0.063 W, 0402	0402
19	R21	1	42.2k	CRCW040242K2FKED	Vishay-Dale	RES, 42.2 k, 1%, 0.063 W, 0402	0402
20	SH-JP1, SH-JP2	2	1x2	969102-0000-DA	3M	Shunt, 100mil, Gold plated, Black	Shunt
21	TP11, TP12, TP21, TP22, TP31, TP32, TP33, TP34	8		5002	Keystone	Test Point, Miniature, White, TH	White Miniature Testpoint
22	TP35	1		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
23	TP36	1		5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
24	U11, U21	2		TPS62097RWKR	Texas Instruments	2-A Step Down Converter with Selectable Switching Frequency in HotRod package, RWK0011B (VQFN-HR-11)	RWK0011B
25	U31	1		TPS62480RNCR	Texas Instruments	6A, 5.5Vin, 2-Phase Step-Down Converter, RNC0016A (VQFN-HR-16)	RNC0016A
26	U32	1		TPS22925CYPHR	Texas Instruments	3.6V, 3A, 9m Ω Load Switch with Reverse Current Protection and Optional Quick Output Discharge, YPH0006ACAC (DSBGA-6)	YPH0006ACAC
27	C2	0	47uF	TPSB476K010R0250	AVX	CAP, TA, 47 μ F, 10 V, +/- 10%, 0.25 ohm, SMD	3528-21
28	C14, C15, C24, C25, C37, C38	0	22uF	C2012X7S1A226M125AC	TDK	CAP, CERM, 22 μ F, 10 V, +/- 20%, X7S, 0805	0805
29	FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	N/A

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