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TIDA-01567 REV E1 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	IPCB	1		TIDA-01567	Any	Printed Circuit Board	
2	C1	1	10uF	TMK212BBJ106KG-T	Taiyo Yuden	CAP, CERM, 10 µF, 25 V, +/- 10%, X5R, 0805	0805
3	C2, C7	2	22uF	GRM21BR61C226ME44	MuRata	CAP, CERM, 22 µF, 16 V, +/- 20%, X5R, 0805	0805
4	C3	1	0.22uF	C1608X7R1C224K080AC	TDK	CAP, CERM, 0.22 µF, 16 V, +/- 10%, X7R, 0603	0603
5	C4	1	68uF	TPSE686M025R0125	AVX	CAP, TA, 68 µF, 25 V, +/- 20%, 0.125 ohm, SMD	7343-43
6	Cadd	1	0.022uF	C1608X7R2A223K080AA	TDK	CAP, CERM, 0.022 µF, 100 V, +/- 10%, X7R, 0603	0603
7	J1	1		TSW-106-07-G-S	Samtec	Header, 100mil, 6x1, Gold, TH	6x1 Header
8	J2	1		20-0000016-01	Lintes Technology	Connector, Receptacle, USB Type C, R/A, SMT	Connector, Receptacle, USB Type C, SMT
9	J3, JP1, JP3	3		TSW-103-07-G-S	Samtec	Header, 100mil, 3x1, Gold, TH	3x1 Header
10	J4, JP4	2		TSW-102-07-G-S	Samtec	Header, 100mil, 2x1, Gold, TH	2x1 Header
11	L1	1	2.2uH	74438357022	Würth Elektronik	Inductor, Shielded, 2.2 µH, 5.2 A, 0.026 ohm, SMD	4.1x4.1mm
12	R1	1	511k	CRCW0603511KFKEA	Vishay-Dale	RES, 511 k, 1%, 0.1 W, 0603	0603
13	R2	1	82.5k	CRCW060382K5FKFA	Vishay-Dale	RES, 82.5 k, 1%, 0.1 W, 0603	0603
14	R3	1	80.6k	CRCW060380K6FKFA	Vishay-Dale	RES, 80.6 k, 1%, 0.1 W, 0603	0603
15	R4	1	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.1 W, 0603	0603
16	Radd	1	10.0k	CRCW060310K0FKFA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
17	SH-JP1, SH-JP3, SH-JP4	3	1x2	969102-0000-DA	3M	Shunt, 100mil, Gold plated, Black	Shunt
18	U1	1		TPS62136RGXR	Texas Instruments	1-MHz High Accuracy 3-V to 17-V 4A Step-Down Converters with DCS Control, RGX0011A (VQFN-HR-11)	RGX0011A
19	C5	0	10uF	TMK212BBJ106KG-T	Taiyo Yuden	CAP, CERM, 10 µF, 25 V, +/- 10%, X5R, 0805	0805
20	C6	0	10pF	GRM1885C2A100JA01D	MuRata	CAP, CERM, 10 pF, 100 V, +/- 5%, C0G/NP0, 0603	0603
21	C8, C9	0	47uF	GRM32EC81C476ME15L	MuRata	CAP, CERM, 47 µF, 16 V, +/- 20%, X6S, 1210	1210
22	FID1, FID2, FID3, FID4, FID5, FID6	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial
23	J5	0		TSW-102-07-G-S	Samtec	Header, 100mil, 2x1, Gold, TH	2x1 Header
24	R5, R6, R7, R8	0	100k	CRCW0603100KJNEA	Vishay-Dale	RES, 100 k, 5%, 0.1 W, 0603	0603
25	R9	0	10.0	CRCW060310R0FKFA	Vishay-Dale	RES, 10.0, 1%, 0.1 W, 0603	0603

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Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265  
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