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TIDA-01379 REV A Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	IPCB1	1		TIDA-01379	Any	Printed Circuit Board	
2	C1, C2, C3	3	0.47uF	UMK212BJ474KG-T	Taiyo Yuden	CAP, CERM, 0.47 uF, 50 V, +/- 10%, X5R, 0805	0805
3	J1, J2, J3, J6, J8, J12	6		TSW-102-07-G-S	Samtec	Header, 100mil, 2x1, Gold, TH	2x1 Header
4	J4	1		TSW-106-07-G-S	Samtec	Header, 100mil, 6x1, Gold, TH	6x1 Header
5	J5	1		TSW-104-07-G-S	Samtec	Header, 100mil, 4x1, Gold, TH	4x1 Header
6	J7, J11	2		TSW-110-07-G-S	Samtec	Header, 100mil, 10x1, Gold, TH	10x1 Header
7	J9, J10, J13, J14	4		142-0701-231	Emerson Network Power	Connector, TH, SMA	SMA
8	LBL1, LBL2	2		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
9	Q1	1	60V	CSD18534Q5A	Texas Instruments	MOSFET, N-CH, 60 V, 50 A, DQJ0008A (VSONP-8)	DQJ0008A
10	Q2	1	-20V	CSD25404Q3	Texas Instruments	MOSFET, P-CH, -20 V, -60 A, VSON-CLIP-8	DQG0008A
11	Q3	1	30V	CSD17304Q3	Texas Instruments	MOSFET, N-CH, 30 V, 56 A, DQG0008A (VSON-CLIP-8)	DQG0008A
12	R2	1	10.0k	CRCW120610K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.25 W, 1206	1206
13	R3	1	1.00	CRCW25121R00FNEG	Vishay-Dale	RES, 1.00, 1%, 1 W, AEC-Q200 Grade 0, 2512	2512
14	R4, R5, R8, R9	4	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9, 1%, 0.1 W, 0603	0603
15	R6, R7, R10, R11	4	2.00	CRCW25122R00FKEG	Vishay-Dale	RES, 2.00, 1%, 1 W, AEC-Q200 Grade 0, 2512	2512
16	T1	1		SM-LP-5001E	Boums	Transformer, 3.8 H, SMT	12.8x9.6mm
17	U1	1		OPA365AID	Texas Instruments	50 MHz, Low-Noise, Single-Supply Rail-to-Rail Operational Amplifier, 2.2 to 5.5 V, -40 to 125 degC, 8-pin SOIC (D0008A), Green (RoHS & no Sb/Br)	D0008A
18	C4	0	0.47uF	GRM319R71E474KA01D	MuRata	CAP, CERM, 0.47 uF, 25 V, +/- 10%, X7R, 1206	1206
19	FID1, FID2, FID3, FID4, FID5, FID6, FID7, FID8, FID9	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial
20	R1	0	1.00Meg	RC0603FR-071ML	Yageo America	RES, 1.00 M, 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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