

Variant: 001
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TIDA-010966 REV E1 Bill of Materials



Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	C1	1	0.047uF	08055C473JAT2A	AVX	CAP, CERM, 0.047 uF, 50 V, +/- 5%, X7R, 0805	0805
2	C2	1	0.1uF	0402YC104KAT2A	AVX	CAP, CERM, 0.1 uF, 16 V, +/- 10%, X7R, 0402	0402
3	C3	1	4.7uF	GRM188Z71C475KE21D	MuRata	CAP, CERM, 4.7 uF, 16 V, +/- 10%, X7R, 0603	0603
4	C4, C5	2	100pF	06035A101FAT2A	AVX	CAP, CERM, 100 pF, 50 V, +/- 1%, C0G/NP0, 0603	0603
5	C6, C8	2	0.022uF	C1206C223KDRACTU	Kemet	CAP, CERM, 0.022 uF, 1000 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1206	1206
6	C7, C9	2	0.1uF	C1812W104KDRACTU	Kemet	CAP, CERM, 0.1 uF, 1000 V, +/- 10%, X7R, 1812	1812
7	D1	1		V1FM10-M3/H	Vishay	Diode Schottky 1A Surface Mount DO-219AB (SMF)	DO-219AB
8	D2, D3	2	30V	VS-20BQ030HM3/5BT	Vishay-Semiconductor	Diode, Schottky, 30 V, 2 A, AEC-Q101, SMB	SMB
9	J1, J2	2		M50-3930242	Harwin	Conn Unshrouded HDR 2 POS 1.27mm Solder RA Through Hole Box	HDR2
10	Q3, Q4	2	100V	CSD19537Q3	Texas Instruments	MOSFET, N-CH, 100 V, 50 A, DQG0008A (VSON-CLIP-8)	DQG0008A
11	R1	1	2	RC0805JR-072RL	Yageo America	RES, 2.0, 5%, 0.125 W, 0805	0805
12	R2, R7	2	0	MCR10EZPJ000	Rohm	RES, 0, 5%, 0.125 W, 0805	0805
13	R3, R8	2	1	RC0805JR-071RL	Yageo America	RES, 1.0, 5%, 0.125 W, 0805	0805
14	R4, R9	2	100k	RT0603BRD07100KL	Yageo America	RES, 100 k, 0.1%, 0.1 W, 0603	0603
15	R5, R6	2	10	TNPW060310R0BEEA	Vishay-Dale	RES, 10.0, 0.1%, 0.1 W, 0603	0603
16	R10	1	0	PMR10EZPJ000	Rohm	RES, 0, 0%, W, AEC-Q200 Grade 0, 0805	0805
17	TP1, TP2, TP3, TP4, TP5, TP6	6		3621-0-32-15-00-00-08-0	Mill-Max	PCB Pin, 0.04" DIA, Edge-Mount	PCB Pin, 0.04" DIA, R/A, Edge-Mount
18	U1	1			Texas Instruments	120-V Boot, 3-A Peak, High-Frequency High-Side/Low-Side Driver	SOIC8