

Variant: 001
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TIDA-010966 REV E1 Bill of Materials



Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	C1, C4	2	0.1uF	C1608X5R1H104K080AA	TDK	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X5R, 0603	0603
2	C2, C5	2	2.2uF	GRM188R61H225KE11D	MuRata	CAP, CERM, 2.2 uF, 50 V, +/- 10%, X5R, 0603	0603
3	C3, C6	2	100pF	06035A101FAT2A	AVX	CAP, CERM, 100 pF, 50 V, +/- 1%, C0G/NP0, 0603	0603
4	C7, C8	2	0.022uF	C1206C223KDRACU	Kemet	CAP, CERM, 0.022 uF, 1000 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1206	1206
5	C9, C10	2	0.1uF	C1812W104KDRACU	Kemet	CAP, CERM, 0.1 uF, 1000 V, +/- 10%, X7R, 1812	1812
6	D1, D2	2	30V	VS-20BQ030HM3/5BT	Vishay-Semiconductor	Diode, Schottky, 30 V, 2 A, AEC-Q101, SMB	SMB
7	J1	1		GRPB042MWCN-RC	Sullins Connector Solutions	Header, 1.27mm, 4x2, Gold, R/A, TH	Header, 1.27mm, 4x2, R/A, TH
8	Q1, Q2	2	80V	CSD19502Q5B	Texas Instruments	MOSFET, N-CH, 80 V, 100 A, DNK0008A (VSON-CLIP-8)	DNK0008A
9	R1, R6	2	10	TNPW060310R0BEEA	Vishay-Dale	RES, 10.0, 0.1%, 0.1 W, 0603	0603
10	R2, R5	2	0	MCR10EZPJ000	Rohm	RES, 0, 5%, 0.125 W, 0805	0805
11	R3, R7	2	1	RC0805JR-071RL	Yageo America	RES, 1.0, 5%, 0.125 W, 0805	0805
12	R4, R8	2	100k	RT0603BRD07100KL	Yageo America	RES, 100 k, 0.1%, 0.1 W, 0603	0603
13	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
14	U1, U2	2		UCC23513DWYR	Texas Instruments	5-kVRMS, 3-A Single Channel Isolated Gate Driver with Opto Compatible Input, DWY0006A (SOIC-6)	DWY0006A