

TIDA-050032 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
PCB1	1		TIDA-050032	Any	Printed Circuit Board	
C1	1	22uF	GRM188R61A226ME15D	MuRata	CAP, CERM, 22 uF, 10 V, +/- 20%, X5R, 0603	0603
C2	1	0.1uF	GRM188R61C104KA01D	MuRata	CAP, CERM, 0.1 uF, 16 V, +/- 10%, X5R, 0603	0603
C4	1	2.2uF	GRM188R6YA225KA12D	MuRata	CAP, CERM, 2.2 uF, 35 V, +/- 10%, X5R, 0603	0603
C5	1	0.22uF	GRM188R61A224KA01D	MuRata	CAP, CERM, 0.22 uF, 10 V, +/- 10%, X5R, 0603	0603
D1	1	40V	MBR0540T1G	ON Semiconductor	Diode, Schottky, 40 V, 0.5 A, SOD-123	SOD-123
D2	1	100V	1N4148W-TP	Micro Commercial Component	Diode, Switching, 100 V, 0.15 A, SOD-123	SOD-123
D3	1	5.6V	MMSZ5232BS-7-F	Diodes Inc.	Diode, Zener, 5.6 V, 200 mW, SOD-323	SOD-323
J1, J2, J3, J4	4		TSW-102-07-G-S	Samtec	Header, 100mil, 2x1, Gold, TH	2x1 Header
J5	1		TSW-103-07-G-S	Samtec	Header, 100mil, 3x1, Gold, TH	3x1 Header
R1	1	10.0k	RC0603FR-0710KL	Yageo	RES, 10.0 k, 1%, 0.1 W, 0603	0603
R3	1	0	RMCF0603ZT0R00	Stackpole Electronics Inc	RES, 0, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R4	1	19.6	RC0603FR-0719R6L	Yageo	RES, 19.6, 1%, 0.1 W, 0603	0603
R5	1	1.62k	RC0603FR-071K62L	Yageo	RES, 1.62 k, 1%, 0.1 W, 0603	0603
R6	1	332	RC0603FR-07332RL	Yageo	RES, 332, 1%, 0.1 W, 0603	0603
T1	1		RTSB070403B100K2T	Sunlord	TRANSFORMER SMD	SMD8
U1	1		TLV61046ADBVR	Texas Instruments	28-V Output Voltage Boost Converter with Power Diode and Isolation Switch, DBV0006A (SOT-6)	DBV0006A
C3	0	0.1uF	GRM188R61C104KA01D	MuRata	CAP, CERM, 0.1 uF, 16 V, +/- 10%, X5R, 0603	0603

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