

**TIDA-00708 REV E1 Bill of Materials**

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
PCB	1		TIDA-00708	Any	Printed Circuit Board	
C1	1	0.1uF	B32671P6104K	TDK	CAP, Film, 0.1 µF, 630 V, +/- 10%, TH	13x5x11mm
C2	1	4700pF	C0603Y472K2RAC7867	Kemet	CAP, CERM, 4700 pF, 200 V, +/- 10%, X7R, 0603	0603
C3, C5, C8	3	100uF	25YXJ100M5X11	Rubycon	CAP, AL, 100 µF, 25 V, +/- 20%, TH	CAPPR2-5x11
C4, C6, C7, C9, C11	5	1uF	C0603C105K8PACTU	Kemet	CAP, CERM, 1 µF, 10 V, +/- 10%, X5R, 0603	0603
C10	1	0.1uF	C0603C104K8RACTU	Kemet	CAP, CERM, 0.1 µF, 10 V, +/- 10%, X7R, 0603	0603
C12	1	2200pF	BFC233864222	Vishay-Bccomponents	CAP FILM 0.0022 UF 20% 300 VAC R	TH, 2-Leads, Body 10x4mm, Pitch 7.5mm
D1	1	170V	SMAJ170A-13-F	Diodes Incorporated	TVS DIODE 170VWM 275VC SMA	SMA
D2	1	600V	S1J	Fairchild Semiconductor	DIODE GEN PURP 600V 1A SMA	SMA
D3, D4, D5	3	100V	PMEG10020AELRX	NXP Semiconductors	DIODE SCHOTTKY 100V 2A SOD2123	SOD-123FL
D6	1	8.2V	BZT52C8V2-7-F	Diodes Inc.	Diode, Zener, 8.2 V, 500 mW, SOD-123	SOD-123
D7	1	14V	MMSZ4701T1G	ON Semiconductor	Diode, Zener, 14 V, 500 mW, SOD-123	SOD-123
D8	1	5.1V	BZT52C5V1-G3-08	Vishay-Semiconductor	Diode, Zener, 5.1 V, 500 mW, SOD-123	SOD-123
J1, J2	2		PBC08SGBN	SULLINS	CONNECTOR, HEADER, 2.54MM PITCH, 8 POS, RIGHT ANGLE, TH, ROHS	
R1	1	110k	CRCW0603110KFKEA	Vishay-Dale	RES, 110 k, 1%, 0.1 W, 0603	0603
R2	1	10.0k	ERJ-3EKF1002V	Panasonic	RES, 10.0 k, 1%, 0.1 W, 0603	0603
R4	1	10.0	CRCW060310R0FKEA	Vishay-Dale	RES, 10.0, 1%, 0.1 W, 0603	0603
T1	1		750343140R01	WURTH ELECTRONIK	TRANSFORMER, 9-LEAD, TH	
U1	1		UCC28881DR	Texas Instruments	700-V Lowest Quiescent Current Off-Line Switcher, D0007A	D0007A
U2	1		TLV70233DBVR	Texas Instruments	Single Output LDO, 300 mA, Fixed 3.3 V Output, 2 to 5.5 V Input, with Low IQ, 5-pin SOT-23 (DBV), -40 to 125 degC, Green (RoHS & no Sb/Br)	DBV0005A

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