

Variant: 001  
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TID #: TIDA-010080-Aux



TIDA-010080-Aux REV E1 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	PCB	1		TIDA-010080-Aux	Any	Printed Circuit Board	
2	C100	1	0.47uF	ECW-FD2W474Q1	Panasonic	CAP, Film, 0.47 uF, 450 V, +/- 10%, TH	12.6x6.5x12.7mm
3	C101	1	2200pF	GRM31BR72J22KW01L	MuRata	CAP, CERM, 2200 pF, 630 V, +/- 10%, X7R, 1206	1206
4	C102	1	47uF	C3216X5R1E476M160AC	TDK	CAP, CERM, 47 uF, 25 V, +/- 20%, X5R, 1206	1206
5	C103	1	0.1uF	GRM188R71E104KA01D	MuRata	CAP, CERM, 0.1 uF, 25 V, +/- 10%, X7R, 0603	0603
6	C104	1	470uF	ELXZ250ELL471MJ16S	Chemi-Con	CAP, AL, 470 uF, 25 V, +/- 20%, AEC-Q200 Grade 2, TH	D10xL16mm
7	C105, C107	2	0.1uF	C0603C104K3RACTU	Kemet	CAP, CERM, 0.1 uF, 25 V, +/- 10%, X7R, 0603	0603
8	C106	1	470uF	ELXZ250ELL471MJ16S	Chemi-Con	CAP, AL, 470 uF, 25 V, +/- 20%, AEC-Q200 Grade 2, TH	D10xL16mm
9	D20	1	1000V	US1M-13-F	Diodes Inc.	Diode, Ultrafast, 1000 V, 1 A, SMA	SMA
10	D21, D22	2	200V	ES2DA-13-F	Diodes Inc.	Diode, Superfast Rectifier, 200 V, 2 A, SMA	SMA
11	D23, D25	2	18V	MMSZ4705T1G	ON Semiconductor	Diode, Zener, 18 V, 500 mW, SOD-123	SOD-123
12	D24	1	50V	CDBU0245	Comchip Technology	Diode, Schottky, 50 V, 0.2 A, SOD-523F	SOD-523F
13	J1	1		TSW-114-08-L-S-RA	Samtec	Header, 100 mil, 14x1, Gold, R/A, TH	Header, 100 mil, 14x1, R/A, TH
14	R100, R101	2	20k	CRCW120620K0JNEA	Vishay-Dale	RES, 20 k, 5%, 0.25 W, 1206	1206
15	R102	1	0	CRCW08050000Z0EA	Vishay-Dale	RES, 0, 5%, 0.125 W, 0805	0805
16	R103	1	20.0	CRCW120620R0FKEA	Vishay-Dale	RES, 20.0, 1%, 0.25 W, 1206	1206
17	R104	1	51k	CRCW060351K0JNEA	Vishay-Dale	RES, 51 k, 5%, 0.1 W, 0603	0603
18	R105	1	18.2k	CRCW080518K2FKEA	Vishay-Dale	RES, 18.2 k, 1%, 0.125 W, 0805	0805
19	R106	1	1.5k	CRCW06031K50JNEA	Vishay-Dale	RES, 1.5 k, 5%, 0.1 W, 0603	0603
20	R107, R108	2	18k	CRCW060318K0JNEA	Vishay-Dale	RES, 18 k, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
21	T2	1		750344399	Würth	750344399 Wuth	TRF_6
22	U20	1		UCC28911DR	Texas Instruments	700V Flyback Switcher with Constant-Voltage Constant-Current and Primary-side Regulation, D0007A (SOIC-7)	D0007A