

**TIDA-01159 REV E1 Bill of Materials**

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
IPCB	1		TIDA-01159	Any	Printed Circuit Board	
C1, C2	2	0.22uF	CGA5L3X7T2E224K160AE	TDK	CAP, CERM, 0.22 $\mu$ F, 250 V, +/- 10%, X7T, 1206	1206
C3	1	2.2uF	885012106018	Wurth Elektronik	CAP, CERM, 2.2 $\mu$ F, 16 V, +/- 20%, X5R, 0603	0603
C4	1	0.1uF	C0603X104K3RACTU	Kemet	CAP, CERM, 0.1 $\mu$ F, 25 V, +/- 10%, X7R, 0603	0603
C5, C6	2	22pF	06035A220JAT2A	AVX	CAP, CERM, 22 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C7, C9	2	10uF	EMK212BB7106MG-T	Taiyo Yuden	CAP, CERM, 10 $\mu$ F, 16 V, +/- 20%, X7R, 0805	0805
C8	1	0.1uF	GRM188R61C104KA01D	MuRata	CAP, CERM, 0.1 $\mu$ F, 16 V, +/- 10%, X5R, 0603	0603
D1	1	600V	UFM15PL-TP	Micro Commercial Component	Diode, Ultrafast, 600 V, 1 A, SOD-123FL	SOD-123FL
D2, D3	2	40V	1N5819HW-7-F	Diodes Inc.	Diode, Schottky, 40 V, 1 A, SOD-123	SOD-123
FID1, FID2	2		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial
J1	1		61300421021	Wurth Elektronik	Header, 2.54mm, 2x2, Gold, R/A, TH	Header, 2.54mm, 2x2, R/A, TH
J2	1		TSW-102-08-G-S-RA	Samtec	Header, 100mil, 2x1, Gold, R/A, TH	2x1 R/A Header
J3	1		TSW-103-08-G-S-RA	Samtec	Header, 100mil, 3x1, Gold, R/A, TH	3x1 R/A Header
R1, R2	2	100	CRCW0603100RFKEA	Vishay-Dale	RES, 100, 1%, 0.1 W, 0603	0603
R3, R5	2	0	CRCW08050000Z0EA	Vishay-Dale	RES, 0, 5%, 0.125 W, 0805	0805
R4	1	11.0k	RC0603FR-0711KL	Yageo America	RES, 11.0 k, 1%, 0.1 W, 0603	0603
R6, R7	2	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
T1	1	38uH	750343341	Wurth Elektronik	Transformer, 38 uH, SMT	11.31x9.14m
U1	1		UCC21520DW	Texas Instruments	4A/6A, 5KVrms Dual Isolated-channel Universal Gate Driver, DW0016A	DW0016A
U2	1		SN6505BDBVR	Texas Instruments	LOW-NOISE 1A TRANSFORMER DRIVERS FOR ISOLATED POWER SUPPLIES, DBV0006A	DBV0006A

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