

**TIDA00743\_2 REV B Bill of Materials**

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
I PCB	1		TIDA00743_2	Any	Printed Circuit Board	
C1, C2, C5, C17, C18	5	0.1uF	C1005X7R1H104K050BB	TDK	CAP, CERM, 0.1 µF, 50 V, +/- 10%, X7R, 0402	0402
C3, C4, C6	3	10uF	GRM32ER71H106KA12L	MuRata	CAP, CERM, 10 µF, 50 V, +/- 10%, X7R, 1210	1210
C7	1	470uF	EEV-FK1J471M	Panasonic	CAP, AL, 470 µF, 63 V, +/- 20%, 0.082 ohm, SMD	SMT Radial J16
C8	1	2.2uF	GRM188R71A225KE15D	MuRata	CAP, CERM, 2.2 µF, 10 V, +/- 10%, X7R, 0603	0603
C9, C10, C11, C12, C13, C14, C15, C16	8	0.01uF	GRM155R71H103KA88D	MuRata	CAP, CERM, 0.01 µF, 50 V, +/- 10%, X7R, 0402	0402
D1	1	Green	150060VS75000	Würth Elektronik	LED, Green, SMD	LED_0603
D5	1	26V	SMBJ26A-13-F	Diodes Inc.	Diode, TVS, Uni, 26 V, 600 W, SMB	SMB
D6	1	14V	SMBJ14A-13-F	Diodes Inc.	Diode, TVS, Uni, 14 V, 600 W, SMB	SMB
H9, H10, H11, H12	4		SJ-5303 (CLEAR)	3M	Bumpon, Hemisphere, 0.44 X 0.20, Clear	Transparent Bumpon
J1	1		1935776	Phoenix Contact	Terminal Block, 2x1, 5mm, Green, TH	Terminal Block, 2x1, 5mm, TH
J3	1		9993960000	Weidmuller	Terminal Block, 5.08mm, 8x1, Black, TH	Terminal Block, 5.08mm, 8x1, TH
J4, J5	2		35RASMT4BHNTRX	Switchcraft	Audio Jack, 3.5mm, Stereo, R/A, SMT	Phone Jack, 6x5x17mm
L1	1	115 ohm	28F0181-1SR-10	Laird-Signal Integrity Products	Ferrite Bead, 115 ohm @ 100 MHz, 10 A, SMD, 2-Leads, Body 8.74x4.65mm	SMD, 2-Leads, Body 8.74x4.65mm
L2	1	4.7uH	CLF10040T-4R7N	TDK	Inductor, Shielded, Ferrite, 4.7 µH, 5.4 A, 0.0189 ohm, SMD	Inductor, 10x3.8x9.7mm
Q1	1	40V	SQJ422EP-T1-GE3	Vishay-Siliconix	MOSFET, N-CH, 40 V, 75 A, PowerPAK_SO-8L	PowerPAK_SO-8L
R2	1	3.92k	CRCW04023K92FKED	Vishay-Dale	RES, 3.92 k, 1%, 0.063 W, 0402	0402
S1	1		GT11MCBE	C&K Components	Switch, SPDT, On-On, 1 Pos, 0.4VA, 20V, TH	7.01x4.5mm
U1	1		LM74610QDGKRQ1	Texas Instruments	Smart Diode Controller, DGK0008A	DGK0008A
FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial
J2	0		PRPC017DBAN-M71RC	Sullins Connector Solutions	Header, 2.54mm, 17x2, Gold, R/A, TH	Header, 2.54mm, 17x2, R/A, TH
R1	0	0	CRCW12060000Z0EA	Vishay-Dale	RES, 0, 5%, 0.25 W, 1206	1206

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