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## TIDA-00690 REV E1 Bill of Materials



Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C2	2	10uF	GRM21BR61E106MA73	MuRata	CAP, CERM, 10 µF, 25 V, +/- 20%, X5R, 0805	0805
C3	1	10uF	GRM21BR61C106KE15L	MuRata	CAP, CERM, 10 µF, 16 V, +/- 10%, X5R, 0805	0805
C4	1	4.7uF	GRM188R60J475KE19D	MuRata	CAP, CERM, 4.7 µF, 6.3 V, +/- 10%, X5R, 0603	0603
C5, C8	2	22pF	GRM1885C1H220JA01D	MuRata	CAP, CERM, 22 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C6, C7	2	1000pF	GRM3195C1H102JA01D	MuRata	CAP, CERM, 1000 pF, 50 V, +/- 5%, C0G/NP0, 1206	1206
C9	1	0.1uF	GRM188R71E104KA01D	MuRata	CAP, CERM, 0.1 µF, 25 V, +/- 10%, X7R, 0603	0603
D1	1	30V	DB3X316F0L	Panasonic	Diode, Schottky, 30 V, 0.1 A, SOT-23	SOT-23
G1	1		AFIG-0007	ZF Friedrichshafen AG	AC generator, Through-hole mount	AC generator,
						Through-hole mount
J3	1		61300311121	Wurth Elektronik	Header, 2.54 mm, 3x1, Gold, TH	Header, 2.54mm, 3x1,
						ТН
J4, J5	2		61300211121	Wurth Elektronik eiSos	Header, 2.54 mm, 2x1, Gold, TH	Header, 2.54mm, 2x1,
						тн
L1	1	22uH	LQH3NPN220NG0	MuRata	Inductor, Wirewound, Ferrite, 22 µH, 0.34 A, 1.1 ohm, SMD	3.0x0.9x3.0mm
L2	1	15uH	LPS3314-153MLB	Coilcraft	Inductor, Shielded Drum Core, Ferrite, 15 µH, 0.59 A, 0.44 ohm, SMD	LPS3314
R1	1	255k	CRCW0603255KFKEA	Vishay-Dale	RES, 255 k, 1%, 0.1 W, 0603	0603
R2	1	200k	CRCW0603200KFKEA	Vishay-Dale	RES, 200 k, 1%, 0.1 W, 0603	0603
R3	1	51k	RC0603JR-0751KL	Yageo America	RES, 51 k, 5%, 0.1 W, 0603	0603
R5, R7	2	300k	CRCW0603300KFKEA	Vishay-Dale	RES, 300 k, 1%, 0.1 W, 0603	0603
R6, R8	2	240k	RC0603FR-07240KL	Yageo America	RES, 240 k, 1%, 0.1 W, 0603	0603
R9	1	100k	CRCW0603100KJNEA	Vishay-Dale	RES, 100 k, 5%, 0.1 W, 0603	0603
R10	1	1.6Meg	CRCW08051M60JNEA	Vishay-Dale	RES, 1.6 M, 5%, 0.125 W, 0805	0805
R11	1	1.2Meg	CRCW08051M20JNEA	Vishay-Dale	RES, 1.2 M, 5%, 0.125 W, 0805	0805
SH-J1	1	1x2	969102-0000-DA	3M	Shunt, 100mil, Gold plated, Black	Shunt
U1	1		TPS62122DRVR	Texas Instruments	Buck Step Down Regulator with 2 to 15 V Input and 1.2 to 5.5 V Output, -	DRV0006A
					40 to 85 degC, 6-Pin SON (DRV), Green (RoHS & no Sb/Br)	
U2	1		TPS62125DSGR	Texas Instruments	3V-17V, 300mA Step Down Converter With Adjustable Enable Threshold	DSG0008A
					And Hysteresis, DSG0008A	
FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial
H1, H2, H3, H4	0		NY PMS 440 0025 PH	B&F Fastener Supply	Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	Screw
H5, H6, H7, H8	0		1902C	Keystone	Standoff, Hex, 0.5"L #4-40 Nylon	Standoff

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