

Variant: 001
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TID #: TIDA-00793



TIDA-00793 REV E1 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	PCB1	1		TIDA-00793	Any	Printed Circuit Board	
2	C1	1	2.2uF	GRM188Z71C225KE43	MuRata	CAP, CERM, 2.2 uF, 16 V, +/- 10%, X7R, 0603	0603
3	C2	1	0.015uF	GRM155R71C153JA01D	MuRata	CAP, CERM, 0.015 uF, 16 V, +/- 5%, X7R, 0402	0402
4	C3	1	0.1uF	GRM155R71C104JA88D	MuRata	CAP, CERM, 0.1 uF, 16 V, +/- 5%, X7R, 0402	0402
5	C4, C6	2	0.1uF	0603YC104JAT2A	AVX	CAP, CERM, 0.1 uF, 16 V, +/- 5%, X7R, 0603	0603
6	C5	1	68pF	C0603C680J5GACTU	Kemet	CAP, CERM, 68 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
7	C7	1	0.01uF	500X14W103MV4T	Johanson Technology	CAP, CERM, 0.01 uF, 50 V, +/- 20%, X7R, 0603	0603
8	D1, D3	2	5.6V	MMSZ5232B-7-F	Diodes Inc.	Diode, Zener, 5.6 V, 500 mW, SOD-123	SOD-123
9	D2	1	20V	SM4T23AY/CAY	STMicroelectronics	Diode, TVS, Bi, 20 V, 400 W, AEC-Q101, SMA	SMA
10	D4	1	7.5V	1SMA5922BT3G	ON Semiconductor	Diode, Zener, 7.5 V, 1.5 W, AEC-Q101, SMA	SMA
11	F1	1		NANOSMDC020F-2	TE Connectivity	Fuse, Resettable, 0.2 A, 24 V, SMD	1206
12	J1	1		61300311121	Würth Elektronik	Header, 2.54 mm, 3x1, Gold, TH	Header, 2.54mm, 3x1, TH
13	J2	1		61300411121	Würth Elektronik	Header, 2.54 mm, 4x1, Gold, TH	Header, 2.54mm, 4x1, TH
14	L1	1	1000 ohm	74279266	Würth Elektronik	Ferrite Bead, 1000 ohm @ 100 MHz, 0.2 A, 0603	0603
15	Q1	1	-30V	DMP3098L-7	Diodes Inc.	MOSFET, P-CH, -30 V, -3.8 A, AEC-Q101, SOT-23	SOT-23
16	Q2	1	40 V	FMMT720TA	Diodes Inc.	Transistor, PNP, 40 V, 1.5 A, AEC-Q101, SOT-23	SOT-23
17	Q3	1	45 V	BC857C-7-F	Diodes Inc.	Transistor, PNP, 45 V, 0.1 A, SOT-23	SOT-23
18	R1	1	2.74k	CRCW04022K74FKED	Vishay-Dale	RES, 2.74 k, 1%, 0.063 W, 0402	0402
19	R2, R4	2	6.81k	CRCW04026K81FKED	Vishay-Dale	RES, 6.81 k, 1%, 0.063 W, 0402	0402
20	R3	1	20.0k	CRCW060320K0FKEA	Vishay-Dale	RES, 20.0 k, 1%, 0.1 W, 0603	0603
21	R5, R6	2	49.9	CRCW040249R9FKED	Vishay-Dale	RES, 49.9, 1%, 0.063 W, 0402	0402
22	R7	1	0	MCR03EZPJ000	Rohm	RES, 0, 5%, 0.1 W, 0603	0603
23	U1	1		PGA301RHHQ1	Texas Instruments	Resistive Bridge Sensor Signal Conditioner for Automotive application, RHH0036C	RHH0036C
24	FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial