

Variant: 001
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 TID #: TIDA-00851



TIDA-00851 REV E1 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	!PCB	1		TIDA-00851	Any	Printed Circuit Board	
2	C1, C2, C3, C6, C7	5	0.1uF	C1005X7R1H104K050BB	TDK	CAP, CERM, 0.1 µF, 50 V, +/- 10%, X7R, 0402	0402
3	C4	1	1000pF	GRM155R61C102KA01D	MuRata	CAP, CERM, 1000 pF, 16 V, +/- 10%, X5R, 0402	0402
4	C5	1	0.01uF	500X14W103MV4T	Johanson Technology	CAP, CERM, 0.01 µF, 50 V, +/- 20%, X7R, 0603	0603
5	C8	1	0.01uF	C1608X7R2A103K	TDK	CAP, CERM, 0.01 µF, 100 V, +/- 10%, X7R, 0603	0603
6	D3, D5	2	100V	BAT46WJ,115	NXP Semiconductor	Diode, Schottky, 100 V, 0.25 A, SOD-323F	SOD-323F
7	D4, D7	2	90V	CDSU101A	Comchip Technology	Diode, Switching, 90 V, 0.1 A, SOD-523F	SOD-523F
8	D6	1	39V	SM6T39CA	STMicroelectronics	Diode, TVS, Bi, 39 V, 600 W, SMB	SMB
9	J1	1		61300411121	Würth Elektronik	Header, 2.54 mm, 4x1, Gold, TH	Header, 2.54mm, 4x1, TH
10	J2	1		61300211121	Würth Elektronik	Header, 2.54 mm, 2x1, Gold, TH	Header, 2.54mm, 2x1, TH
11	J3	1		GRPB021VWVN-RC	Sullins Connector Solutions	Header, 50mil, 2x1, Gold, TH	2x1 Header
12	J4, J5	2		BB02-BS101-KA8-025B00	GradConn	Header, 1.27mm, 5x2, SMT	Header, 1.27mm, 5x2, SMT
13	L3, L4	2	600 ohm	MI1206K601R-10	Laird-Signal Integrity Products	Ferrite Bead, 600 ohm @ 100 MHz, 1.5 A, 1206	1206
14	Q1	1	80 V	BCP56-16	STMicroelectronics	Transistor, NPN, 80 V, 1 A, SOT-223	SOT-223
15	Q4	1	100V	BSS169H6327XTSA1	Infineon Technologies	MOSFET, N-CH, 100 V, 0.17 A, SOT-23	SOT-23
16	R1	1	150	CRCW0402150RFKED	Vishay-Dale	RES, 150, 1%, 0.063 W, 0402	0402
17	R2, R3	2	75k	CRCW040275K0JNED	Vishay-Dale	RES, 75 k, 5%, 0.063 W, 0402	0402
18	R4	1	4.99k	RG1608P-4991-B-T5	Susumu Co Ltd	RES, 4.99 k, 0.1%, 0.1 W, 0603	0603
19	R5	1	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, 0402	0402
20	TP1	1	Red	5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
21	TP2	1	Black	5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
22	U1	1		PGA900ARHHR	Texas Instruments	PRESSURE SENSOR SIGNAL CONDITIONER, RHH0036C	RHH0036C
23	FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial
24	R6, R12	0	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603

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