🐺 Texas Instruments

Bill of Materials

TI DESIGNS

TIDA-00788

Item	Qty	Reference	Value	Part Description	Manufacturer	Manufacturer Part Number	Alternate Part	PCB Footprint	Note
1	4	C1, C2, C3, C5	0.1uF	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0402	TDK	C1005X7R1H104K050B		0402	
2	1	C4	0.1uF	CAP, CERM, 0.1 μF, 100 V, +/- 10%, X7R, 0603	MuRata	GRM188R72A104KA35		0603	
3	1	C6	0.01uF	CAP, CERM, 0.01 μF, 50 V, +/- 20%, X7R, 0603	Johanson Technology	500X14W103MV4T		0603	
4	1	D1	25.6V	Diode, TVS, Bi, 25.6 V, 600 W, SMB	STMicroelectronics	SM6T30CA		SMB	
5	1	D2	200V	Diode, Ultrafast, 200 V, 1 A, SOD-123	Rohm	RF071M2S		SOD-123	
6	1	D3	36V	Diode, TVS, Bi, 36 V, 600 W, SMB	STMicroelectronics	SM6T36CA		SMB	
7	2	L1, L2	600 ohm	Ferrite Bead, 600 ohm @ 100 MHz, 0.3 A, 0603	Laird-Signal Integrity Products	HZ0603C601R-10		0603	
8	1	Q1	80 V	Transistor, NPN, 80 V, 1 A, SOT-223	STMicroelectronics	BCP56-16		SOT-223	
9	1	R1	150	RES, 150, 1%, 0.063 W, 0402	Vishay-Dale	CRCW0402150RFKED		0402	
10	2	R2, R3	75k	RES, 75 k, 5%, 0.063 W, 0402	Vishay-Dale	CRCW040275K0JNED		0402	
11	1	R4	200	RES, 200, 1%, 0.1 W, 0603	Vishay-Dale	CRCW0603200RFKEA		0603	
12	1	U1		Pressure Sensor Signal Conditioner, RHH0036C	Texas Instruments	PGA300ARHHR		RHH0036C	
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