

TIDA-01575 REV A0 Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB	1		TIDA-01575	Any	Printed Circuit Board	
C1	1	1uF	GRM188R70J105KA01D	MuRata	CAP, CERM, 1 μF, 6.3 V,+/- 10%, X7R, 0603	0603
C2, C3, C4, C5	4	0.1uF	GRM188R70J104KA01D	MuRata	CAP, CERM, 0.1 μF, 6.3 V,+/- 10%, X7R, 0603	0603
C6	1	0.1uF	293D104X9035A2TE3	Vishay-Sprague	CAP, TA, 0.1 μF, 35 V, +/- 10%, 20 ohm, SMD	3216-18
C7, C10, C13	3	10uF	TPSA106K006R1500	AVX	CAP, TA, 10 μF, 6.3 V, +/- 10%, 1.5 ohm, SMD	3216-18
C8, C11, C14	3	1800pF	GRM1557U1A182JA01D	MuRata	CAP, CERM, 1800 pF, 10 V,+/- 5%, U2J, 0402	0402
C9, C12, C15	3	0.033uF	GRM155R71A333KA01D	MuRata	CAP, CERM, 0.033 μF, 10 V,+/- 10%, X7R, 0402	0402
FID1, FID2, FID3	3		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	N/A
J1, J2	2		SSW-110-23-F-D	Samtec	Connector, Receptacle, 100mil, 10x2, Gold plated, TH	10x2 Receptacle
J3	1		TSW-102-07-G-S	Samtec	Header, 100mil, 2x1, Gold, TH	2x1 Header
R1	1	100k	RG1005P-104-B-T5	Susumu Co Ltd	RES, 100 k, 0.1%, 0.063 W, 0402	0402
R2	1	60.4k	CRCW040260K4FKED	Vishay-Dale	RES, 60.4 k, 1%, 0.063 W, 0402	0402
R3, R6, R9	3	1.00k	CRCW04021K00FKED	Vishay-Dale	RES, 1.00 k, 1%, 0.063 W, 0402	0402
R4, R7, R10	3	80.6k	CRCW040280K6FKED	Vishay-Dale	RES, 80.6 k, 1%, 0.063 W, 0402	0402
R5, R8, R11	3	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, 0402	0402
SH-J1	1	1x2	969102-0000-DA	3M	Shunt, 100mil, Gold plated, Black	Shunt
U1	1		KXTC9-3672	Kionix	Tri-axis Analog Accelerometer Specification, LGA-10	10-LGA
U2	1		TPS22860DBVR	Texas Instruments	TPS22860 Ultra-low leakage load switch, DBV0006A (SOT-23-6)	DBV0006A
U3, U4, U5	3		LMP7702MM/NOPB	Texas Instruments	Precision, CMOS Input, RRIO, Wide Supply Range Amplifiers, 8-pin Mini SOIC, Pb-Free	TSOP8

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