

Variant: 001  
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 TID #: TIDA-00561



### TIDA-00561 REV E1 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	!PCB	1		TIDA-00561	Any	Printed Circuit Board	
2	C1, C3, C5, C6, C10	5	0.1uF	06035C104KAT2A	AVX	CAP, CERM, 0.1 $\mu$ F, 50 V, +/- 10%, X7R, 0603	0603
3	C2, C4, C7, C9, C12	5	10uF	293D106X0010A2TE3	Vishay-Sprague	CAP, TA, 10uF, 10V, +/-20%, 3.4 ohm, SMD	3216-18
4	C8	1	0.47uF	GRM188R71C474KA88D	MuRata	CAP, CERM, 0.47 $\mu$ F, 16 V, +/- 10%, X7R, 0603	0603
5	J1	1		LSS-110-01-F-DV-A	Samtec	Terminal/Socket Combo, 25mil, 10x2, Gold, SMT	Terminal Socket, 10x2, Gold, SMT
6	J2	1		CON SMA001-SMD-G	Linx Technologies	Jack, SMA, PCB, Gold, SMT	SMA Jack
7	L1	1	5 ohm	BLM18BB050SN1D	MuRata	Ferrite Bead, 5 ohm @ 100 MHz, 0.7 A, 0603	0603
8	LBL1	1		THT-14-423-10	Brady	Thermal Transfer Printable Labels, 0.650" W x 0.200" H - 10,000 per roll	PCB Label 0.650"H x 0.200"W
9	R1	1	100	RG1005P-101-B-T5	Susumu Co Ltd	RES, 100, 0.1%, 0.063 W, 0402	0402
10	R2, R3	2	1.0k	CRCW04021K00JNED	Vishay-Dale	RES, 1.0 k, 5%, 0.063 W, 0402	0402
11	R4	1	2.2Meg	CRCW04022M20JNED	Vishay-Dale	RES, 2.2 M, 5%, 0.063 W, 0402	0402
12	R5	1	270k	CRCW0402270KJNED	Vishay-Dale	RES, 270 k, 5%, 0.063 W, 0402	0402
13	R6, R7, R8, R9, R10	5	47	CRCW040247R0JNED	Vishay-Dale	RES, 47, 5%, 0.063 W, 0402	0402
14	TC1	1	100ohm	PTS080501B100RP100	Vishay/Beyschlag	Temperature Sensor, 100ohm, 1%, TC=+3850ppm, 0805, SMT	0805
15	U1	1		ADS1120IPWR	Texas Instruments	Low-Power, Low-Noise, 16-Bit ADC for Small-Signal Sensors, PW0016A	PW0016A
16	U2	1		LMP91200MTXNOPB	Texas Instruments	Configurable AFE for Low-Power Chemical Sensing Applications, PW0016A	PW0016A
17	U3	1		REF3220AIDBVR	Texas Instruments	2.048 V, 4 ppm / degC, 100 uA Series (Bandgap) Voltage Reference, -40 to 125 degC, 6-pin SOT-23 (DBV), Green (RoHS & no Sb/Br)	DBV0006A
18	U4	1		TS5A3159DBVR	Texas Instruments	1-? SPDT Analog Switch, DBV0006A	DBV0006A
19	FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial

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