

# Bill of Materials

**TI DESIGNS**

TIDA-00800: Temperature sensors in daisy-chained cable for SensorTag

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
2	IPCB	1		MHR015	Any	Printed Circuit Board	
3	C1	1	0.1uF	06033C104JAT2A	AVX	CAP, CERM, 0.1 $\mu$ F, 25 V, +/- 5%, X7R, 0603	0603
4	C8, C9, C10	3	0.1uF	C1005X5R1A104K	TDK	CAP, CERM, 0.1 $\mu$ F, 10 V, +/- 10%, X5R, 0402	0402
5	C12	1	10uF	293D106X0010A2TE3	Vishay-Sprague	CAP, TA, 10uF, 10V, +/- 20%, 3.4 ohm, SMD	3216-18
6	J1	1		LSS-110-01-F-DV-A	Samtec	Terminal/Socket Combo, 25mil, 10x2, Gold, SMT	Terminal Socket, 10x2, Gold, SMT
7	J2	1		1771033	Phoenix Contact	Terminal Block, 2.5mm, 3x1, R/A, SMT	Terminal Block, 2.5mm, 3x1, R/A, SMT
8	R1	1	270k	CRCW0402270KJNED	Vishay-Dale	RES, 270 k, 5%, 0.063 W, 0402	0402
9	R4	1	3.3k	CRCW06033K30JNEA	Vishay-Dale	RES, 3.3 k, 5%, 0.1 W, 0603	0603
10	R5, R6	2	100	CRCW0603100RJNEA	Vishay-Dale	RES, 100, 5%, 0.1 W, 0603	0603
11	U1, U4, U5, U6	4		TMP107BIDR	Texas Instruments	TMP107B, D0008A	D0008A
12	U3	1		SN74LVC1G125DCKR	Texas Instruments	Single Bus Buffer Gate With 3-State Output, DCK0005A	DCK0005A
13	FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial
14	H1	0		C2462A.41.10	General Cable/Carol Bra	A 1000' spool of this wire will complete 101 assemblies.	1000ft of 3-conductor, 24AWG, Gray wire

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