

# Linear Technology Corporation

## THERMOCOUPLE BOARD

**Bill Of Materials**  
**Demo Bd. # 2212A-1**  
 5/28/2014 9:06 AM

Item	Qty	Reference	Part Description	Manufacturer / Part #	Kit Qty
				<b>NUMBER OF BOARDS =</b>	<b>175</b>
1	9	C1-C9	CAP., X7R, 0.01uF 25V, 10%, 0603	MURATA, GRM188R71E103KA01D	1575
2	1	C10	CAP., X7R, 0.1uF 25V, 10%, 0603	MURATA, GRM188R71E104KA01D	175
3	1	J1	CONN., 40P, CON-HIROSE-FX2-40S-DAUGHT	HIROSE, FX2-40S-1.27DS(71)	175
4	2	J2,J3	CON., THERMOCOUPLE SMP MINIATURE, CON-OMEG	OMEGA, PCC-SMP-U-100-R	350
5	2	J4,J5	BANANA JACK, NON-INSULATED	KEYSTONE, 575-4	350
6	2	Q1,Q2	TRANSISTOR, NPN 40V 200MA TO-92	FAIRCHILD SEMI., 2N3904TF	350
7	1	RSENSE	RES., AXIAL, 2k, 0.1%, 10PPM, 1/8W	VISHAY, PTF562K0000BYEB	175
8	6	R1,R3,R4,R5,R6,R7	RES., AXIAL, 1k, 5%, 1/4W	YAGEO, CFR-25JB-52-1K	1050
9	1	R2	RES., TEMP SENSOR RTD, 100, 1/10W, 1%, 0	VISHAY BEYSCHLAG, PTS060301B100RP100	175
10	0	R8,R9	RES., 0603	OPT	0
11	1	R10	RES., CHIP, 4.99K, 1/10W, 1% 0603	PANASONIC, ERJ-3EKF4991V	175
12	1	U1	I.C., EEPROM, 2KBIT 400KHZ, TSSOP8	MICROCHIP, 24LC025-I/ST	175
13	4	MH1-MH4	STANDOFF, NYLON, 0.25", 1/4"	KEYSTONE, 8831 (SNAP ON)	700
14	2		STENCILS (TOP & BOTTOM)	STENCIL DC2212A-1	2