

Thermocouple Interface Revised: Friday, March 05, 2004
 Thermocouple plus cold junction Revision: B

Bill Of Materials Page1

Item	Quantity	Reference	Part	Digikey #		Footprint	
1	3	C3,C4,C6	10uF	P5309-ND	CAP 10UF 100V ALUM LYTIC RADIAL	=>>H_CAP_100\300\L	Not needed
2	1	C5	.1uF	399-2127-ND	CAP .1UF 50V 20% CER RADIAL	=>>AC100\125	Not needed
3	1	C7	CAP		Optional	=>>AC100\100	
4	2	JP11,JP12	HEADER 2	ED1514-ND	TERMINAL BLOCK 3.5MM 2POS PCB	=>>SIP\2P	Optional can be hard wired
5	3	J1,J4,J5	SOLDER		Not a part	=>>SOLDER	
6	1	R9	47	OD470J-ND	RESISTOR 47 OHM .25W CARB COMP	=>>R400	Not needed
7	1	U1	AD595	AD595AQ-ND	IC THERMOCOUPLE AMP W/COMP 14DIP	=>>DIP14	AD594 for J, AD595 for K
8	1	U2	max1044	MAX1044EPA-ND	IC VOLT CONVERTER W/BOOST 8-DIP	=>>DIP8	Not needed
9	1		HEADER 2		2 PIN HEADER	=>> SIP\2P	Optional can be hard wired