

Dtronixs Bill of Materials

Project: Rpi MiniPiio Thermocouple Board
Version: v0.10
Date: 10-Apr-14
File: BOM_RPi_MiniPiio_Thermocouple_0v10.xls
Part No: 314-1140

ID	Qty	Part	Manufacturer	Package	Description	Supplier #1	Part	Supplier #2	Part	Notes
PCB	1	RPi_MiniPiio_Thermocouple V0.1	NA	NA	40.0mm x 50.0mm Double Sided PCB	PCB	-			
C1	1	Y5V0805 104Z 50V	TruCap	SM	Capacitor, 100nF/50V Y5v 0805	Rapid	71-1400			
C2	0	Do Not Fit	-	SM	Capacitor, 0805	-	-			
D1	0	Do Not Fit	On-Semi	SM	Diode - NUP2105L Supressor SOT-23	Mouser	863-SZNUP2105LT1G			
U1	1	MAX31855KASA+	Maxim	SM	IC - MAX31855 Data Converter - Thermocouple Type-K	Mouser	700-MAX31855KASA+			1
J1	1	Pin Header 3W, 0.1"	TruConnect	TH	Connector - Pin Header, Single Row, 3W, 0.1"/2.54mm PCB	Rapid	22-0500			
K1	1	Female Header, 2x13	BKL	TH	Connector - Female Header, Double Row, 2x13W 0.1"/2.54mm PCB	Rapid	50-8126			
K2	0	Do Not Fit	CamdenBoss	TH	Connector - Screw Terminal, 2W, 3.81mm PCB	Rapid	21-1500			
FL1	1	IM-K-PCB	Labfacility	TH	Connector - Thermocouple Type K PCB	Rapid	61-3017			
LINK	1	Jumper Link	TruConnect	TH	Connector - Jumper Link, 0.1"/2,54mm Open Black	Rapid	22-0692			
J2,J3	0	Do Not Fit	TruConnect	TH	Connector - Female Header, Single Row, 5W 0.1"/2.54mm PCB	Rapid	19-0084			

Notes:
1 Use any suitable alternative
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