

Hobbybotics MAX6675 Thermocouple Breakout V1.0									
COMPONENT	VALUE	DESCRIPTION	UNIT QUANTITY	MANUFACTURER	MANUFACTURER PART NUMBER	DISTRIBUTOR	DISTRIBUTOR PART NUMBER	COST	DATA SHEET
C1	0.1uF	SMD 0805 Capacitor	1	Kemet	<a href="#">C0805C104K3RACTU</a>	<a href="#">Mouser</a>	<a href="#">80-C0805C104K3R</a>	\$0.07	<a href="#">PDF</a>
J1	5P Female Header	1x5 2.54MM Female Header	1	N/A	<a href="#">1015</a>	<a href="#">Pololu</a>	<a href="#">1015</a>	\$0.44	<a href="#">N/A</a>
JP2	TC Jack	Thermocouple Connector	1	Omega Engineering	<a href="#">PCC-SMP-V-K</a>	<a href="#">Omega Engineering</a>	<a href="#">PCC-SMP-V-K</a>	\$4.00	<a href="#">PDF</a>
U1	MAX6675	Type-K Thermocouple Interface	1	Maxim	<a href="#">MAX6675ISA+</a>	<a href="#">Mouser</a>	<a href="#">700-MAX6675ISA</a>	\$14.12	<a href="#">PDF</a>
Misc.								Total:	\$18.56
The MAX3185 Thermocouple Interface is a replacement for the end-of-life MAX6675 IC. If used, the ground connection on the Hobbybotics MAX6675 Breakout will need to be cut between pins 1 and 2									
U1	MAX3185	Type-K Thermocouple Interface	1	Maxim	<a href="#">AX31855KASA+</a>	<a href="#">Mouser</a>	<a href="#">700-MAX31855KASA+</a>	\$7.80	<a href="#">PDF</a>