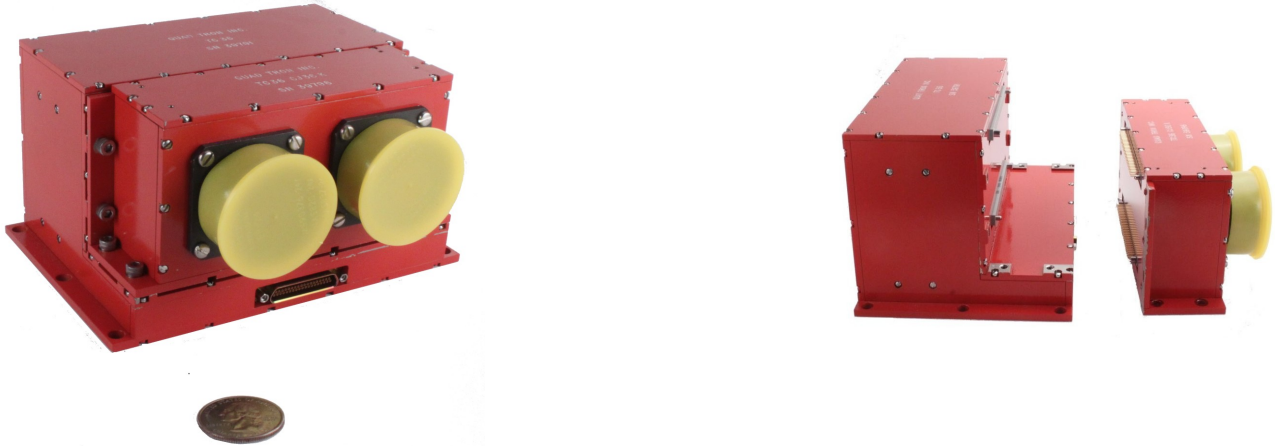


# QUAD TRON, INC.

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[www.quadtron.com](http://www.quadtron.com)

## **36 CHANNEL BULK THERMOCOUPLE**



**TC types: B, E, J, K, N, R, S, or T**

### **Removable Cold Junction Block**

- Change TC type by changing cold junction block

### **Accurate: + - 0.75 Deg. C complete range**

- Digital Temperature Compensation, each channel
- Digital cold junction compensation
- Air Gap between cold junction block and main housing avoids Self heating effects

### **Daisy chain multiple units**

- 36 bulk TC or Micro Series PCM units up to 200 feet
- Single PCM output
- Single point programming

**Includes RS232 and RS422 asynchronous data channel input**

**Optional Premod Filter**

### **Optional Power Ranges**

- 5 to 17 volts or 15 to 36 volts

**Dimensions: 4.95" \* 3.65" \* 3.04"**

### **Connectors:**

PCM and Power:      Airborn PN: MK-283-037-435-220R  
TC Connectors:      Matrix PN: MS3470W22-55P

**THERMOCOUPLE CONNECTORS**

**Matrix PN: MS3470W22-55P**

**Mate: MS3476W22-55S**

**POWER CONNECTOR**

**Airborn PN: MK-283-037-435-220R**

**Mate: MM-213-037-161-41WQ**

1	STP0	
2	STP1	
3	STP2	
4	STP3	
5	STP4	
6	SPARE	
7	RS485+ <sub>1</sub>	
8	RS485- <sub>1</sub>	
9	RS485- <sub>1</sub> TER	
10	RS485+ <sub>2</sub>	
11	RS485- <sub>2</sub>	
12	RS485- <sub>2</sub> TER	
13	SHIELD	
14	TCK_ATMEL	
15	TMS_ATMEL	
16	TDO_ATMEL	
17	TDI_ATMEL	
18	R_RESET_ATMEL	
19	B+RTN	
20	RDX232_0	
21	TDX232_0	
22	DGND	
23	RDX232_1	
24	TDX232_1	
25	DGND	
26	PMF_OUT	IF ORDERED
27	SPARE	
28	BITCLK_422+	
29	BITCLK_422-	
30	CODE1_422-	
31	CODE1_422+	
32	CODE1	
33	TCK_PROM	
34	TMS_PROM	
35	TDI_PROM	
36	TDO_PROM	
37	B+	

PIN	CONNECTOR 1 FUNCTION	CONNECTOR 2 FUNCTION
A	TC1+	TC19+
B	TC1-	TC19-
C	SHIELD	SHIELD
D	TC2+	TC20+
E	TC2-	TC20-
F	SHIELD	SHIELD
G	TC3+	TC21+
H	TC3-	TC21-
J	SHIELD	SHIELD
K	TC4+	TC22+
L	TC4-	TC22-
M	SHIELD	SHIELD
N	TC5+	TC23+
P	TC5-	TC23-
R	SHIELD	SHIELD
S	TC6+	TC24+
T	TC6-	TC24-
U	SHIELD	SHIELD
V	TC7+	TC25+
W	TC7-	TC25-
X	SHIELD	SHIELD
Y	TC8+	TC26+
Z	TC8-	TC26-
a	SHIELD	SHIELD
b	TC9+	TC27+
c	TC9-	TC27-
d	SHIELD	SHIELD
e	TC10+	TC28+
f	TC10-	TC28-
g	SHIELD	SHIELD
h	TC11+	TC29+
i	TC11-	TC29-
j	SHIELD	SHIELD
k	TC12+	TC30+
m	TC12-	TC30-
n	SHIELD	SHIELD
p	TC13+	TC31+
q	TC13-	TC31-
r	SHIELD	SHIELD
s	TC14+	TC32+
t	TC14-	TC32-
u	SHIELD	SHIELD
v	TC15+	TC33+
w	TC15-	TC33-
x	SHIELD	SHIELD
y	TC16+	TC34+
z	TC16-	TC34-
AA	SHIELD	SHIELD
BB	TC17+	TC35+
CC	TC17-	TC35-
DD	SHIELD	SHIELD
EE	TC18+	TC36+
FF	TC18-	TC36-
GG	SHIELD	SHIELD
HH		