

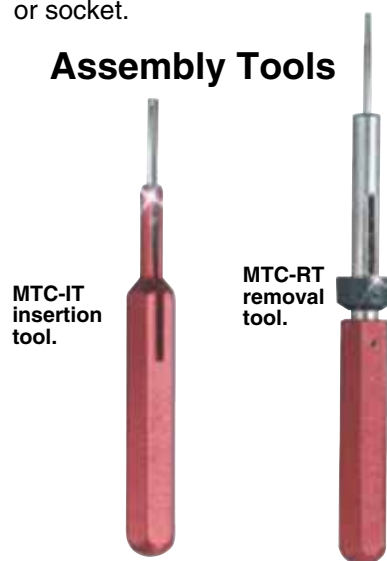
Thermocouple Contacts For Model MTC Connectors

Precision CNC Machined

- ✓ Crimp-Type Attachment
- ✓ Color-Coded Contacts
- ✓ Accessories Available
- ✓ High Performance Design

TRODEX® push-in crimp style contacts are manufactured from thermocouple alloy materials and are generically color-coded for easy identification. Contacts are crimp-terminated outside the connector assembly and inserted into the appropriate cavity by means of an insertion tool. They can be readily removed from the connector assembly using a special removal tool. Sealing plugs are available to seal unused positions in lieu of pin or socket.

Assembly Tools



MTC-IT
insertion
tool.

MTC-RT
removal
tool.

To Order

Specify Connector Body, Contacts and Backshell (See Note 1).
Example: Cord-to-Cord connectors for 6 type J (Iron-Constantan) thermocouple circuits (pairs).

Male Connector Assembly

1. Body: **MTC-12-MC**

2. Pins: (+) Pos. Alloy, **MTC-IR-P**, 6 ea.
(-) Neg. Alloy, **MTC-CO-P**, 6 ea.

3. Backshell: **MTC-12-SHL**

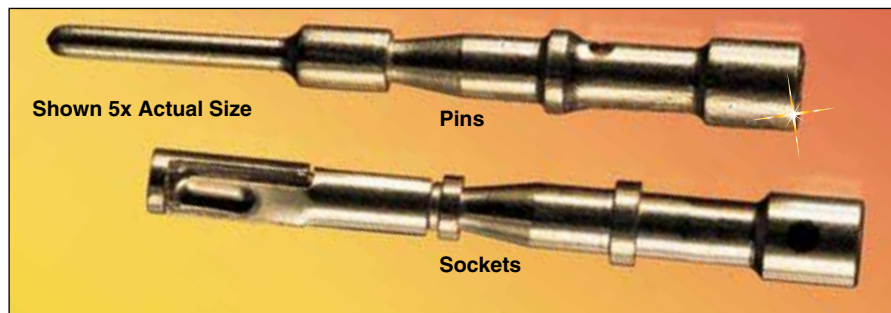
Female Connector Assembly

1. Body: **MTC-12-FC**

2. Sockets:

(+) Pos. Alloy, **MTC-IR-S**, 6 ea.
(-) Neg. Alloy, **MTC-CO-S**, 6 ea.

3. Backshell: **MTC-12-SHL**



Shown 5x Actual Size

Pins

Sockets

Material	Thermocouple Type (ANSI Symbol)
Iron/Constantan	J
CHROMEGA®/ALOMEGA®	K
Copper/Constantan	T
CHROMEGA®/Constantan	E
OMEGA-P®/OMEGA-N®	N

Pin and Socket Quantity Discounts	
1-10 units	Net
11-24 units	10%
25-49 units	15%
50-99 units	20%
100 and up	25%

Thermocouple Alloy and Gold-Plated Copper Contacts for Multipin Connectors

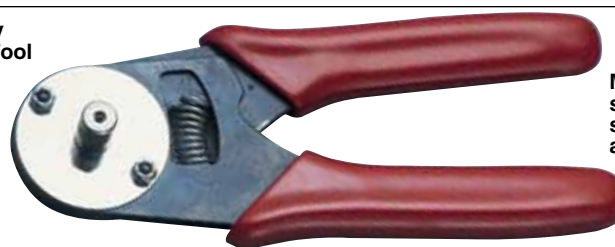
To Order

Alloy Type	Pins (Male)	Coding Color Letter	Sockets (Female)	Coding Color Letter
Iron (+)	MTC-IR-P	BLK M	MTC-IR-S	BLK M
Constantan (-)	MTC-CO-P	YEL N	MTC-CO-S	YEL N
Copper (+)	MTC-CU-P	RED C	MTC-CU-S	RED C
CHROMEGA® (+)	MTC-CH-P	WHT P	MTC-CH-S	WHT P
ALOMEGA® (-)	MTC-AL-P	GRN R	MTC-AL-S	GRN R
OMEGA-P® (+)	MTC-OP-P	Orange OP	MTC-OP-S	Orange OP
OMEGA-N® (-)	MTC-ON-P	Blue ON	MTC-ON-S	Blue ON
Gold-Plated (Uncompensated)	MTC-AU-P-A	Color Bands BLUE, RED, VIOLET	MTC-AU-S	Color Bands RED, BLUE, BLK

Sealing plugs, model **MTC-HP**.

Grommets available. Consult Sales Department for price and delivery.

Heavy Duty Crimping Tool



MTC-CT
shown
smaller than
actual size.

Easy-to-Use Ratchet Action! Specially designed MS standard crimping tool **MUST** be used to crimp wires properly to pins and sockets. Ratchet action ensures a complete crimp every time.

Important Notes

- MS standard assembly tools are required to crimp and assemble connectors properly. Order with first purchase.
- Match pins and sockets to thermocouple alloys—Example: A 12-cavity connector carries 6 thermocouple circuits (pairs)

requiring: 6 positive alloy pins or sockets and 6 negative alloy pins or sockets per body.

- Order bodies in mating pairs. Style MC mates with both style FF and style FC.
- Backshell cable clamps are recommended with each cord style connector.