OMEGA® push-in crimp-style contacts are manufactured from thermocouple alloy materials and are 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.

**Important Notes**

1. MS Standard Assembly Tools are required to crimp and assemble connectors properly. Order with first purchase.
2. 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.
3. Order bodies in mating pairs. Style MC mates with both style FF and style FC.
4. Backshell cable clamps are recommended with each cord style connector.

**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, HPC-IR-P, 1 pkg. (6 required)
   (–) Neg. Alloy, HPC-CO-P, 1 pkg. (6 required)
3. Backshell: MTC-12-SHL

**Female Connector Assembly**

1. Body: MTC-12-FC
2. Sockets:
   (+) Pos. Alloy, HPC-IR-S, 1 pkg. (6 required)
   (–) Neg. Alloy, HPC-CO-S, 1 pkg. (6 required)
3. Backshell: MTC-12-SHL

**Assembly Tools**

- **Insertion Tool**
  - MTC-IT
- **Removal Tool**
  - MTC-RT

**Discount Schedule**

- 1-10 ................................................... 10%
- 11-24 ................................................. 15%
- 25-99 ............................................... 20%
- 100 and over ..................................... 25%

**Thermocouple Contacts**

**For Model MTC Connectors**

**Economical Design HPC Series**

- Crimp-Type Attachment
- Contacts Are Color-Coded
- Accessories Available
- Hollow Pin Construction
- 20 to 24 AWG Stranded Wire
- Sold in pack of 20

OMEGA® push-in crimp-style contacts are manufactured from thermocouple alloy materials and are 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.

**Thermocouple Contact**

**Material**

<table>
<thead>
<tr>
<th>Thermocouple Type (ANSI Symbol)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iron/Constantan</td>
</tr>
<tr>
<td>CHROMEGA®/ALOMEGA®</td>
</tr>
<tr>
<td>Copper/Constantan</td>
</tr>
<tr>
<td>CHROMEGA®/Constantan</td>
</tr>
</tbody>
</table>

**Thermocouple Alloy and Gold-Plated Copper Contacts**

**For Multipin Connectors**

**To Order**

visit omega.com/hpc_contacts for Pricing and Details

<table>
<thead>
<tr>
<th>Alloy Type</th>
<th>Coding Color Letter</th>
<th>Pins (Male)</th>
<th>Sockets (Female)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iron (+)</td>
<td>BLK M</td>
<td>HPC-IR-P</td>
<td>HPC-IR-S</td>
</tr>
<tr>
<td>Constantan (-)</td>
<td>YEL N</td>
<td>HPC-CO-P</td>
<td>HPC-CO-S</td>
</tr>
<tr>
<td>Copper (+)</td>
<td>RED C</td>
<td>HPC-CU-P</td>
<td>HPC-CU-S</td>
</tr>
<tr>
<td>CHROMEGA® (+)</td>
<td>WHT P</td>
<td>HPC-CH-P</td>
<td>HPC-CH-S</td>
</tr>
<tr>
<td>ALOMEGA® (–)</td>
<td>GRN R</td>
<td>HPC-AL-P</td>
<td>HPC-AL-S</td>
</tr>
</tbody>
</table>

*Gold-Plated (Uncompensated) Color Bands†

‡ Pins have red, yellow and brown color bars; sockets have red, blue and black color bars.

Sealing plugs, model no. MTC-HP

* For use with non-thermocouple wire in same body.
† Grommets available. Consult Sales Department for price and delivery.