Ferrite Core Miniature Connectors
Male Connector Features Molded-In Nickel-Zinc Ferrite Cores For EMI/RFI Suppression

HMPW/HFMPW Series

- High Temperature Liquid Crystal Polymer
- Male Designed for Suppression of Electromagnetic Interference (EMI)
- Temperature Ratings:
  - Ferrite Core Effectiveness: 120°C (248°F)
  - LCP Material: 260°C (500°F)
- Write-on Window for Easy Labeling
- Color-Coded Calibration, Earth-Tone Colors
- Environmentally Friendly Cadmium-Free LCP Shell
- Heavy Duty Construction
- Accepts Stranded and Solid Wire up to Size 20 AWG
- Combination Phillips Slotted Captive Cover Screws
- Internal Wire Divider
- Male Connector Impedance (±20%): 55 Ω @ 25 MHz; 90 Ω @ 100 MHz

Note: Mating female connectors supplied without ferrite cores. If required, use PCLM-SMP-FT.

### Discount Schedule

<table>
<thead>
<tr>
<th>Quantity Range</th>
<th>Discount %</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-10</td>
<td></td>
</tr>
<tr>
<td>11-49</td>
<td>5%</td>
</tr>
<tr>
<td>50-99</td>
<td>10%</td>
</tr>
<tr>
<td>100-999</td>
<td>15%</td>
</tr>
<tr>
<td>1000-4999</td>
<td>20%</td>
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<tr>
<td>5000 and over</td>
<td>25%</td>
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</tbody>
</table>

For a complete selection of miniature size connector accessories visit us on-line.

### To Order

<table>
<thead>
<tr>
<th>Alloy Code†</th>
<th>Type of Thermocouple Used With Connector</th>
<th>Compensating Alloy Used in Connector</th>
<th>Shell Color</th>
<th>Female Model No. (With Ferrite Core)</th>
</tr>
</thead>
<tbody>
<tr>
<td>K</td>
<td>CHROMEGA®-ALOMEGA®</td>
<td>CHROMEGA ALOMEGA</td>
<td>Yellow</td>
<td>HMPW-K-F HMPW-K-M</td>
</tr>
<tr>
<td>T</td>
<td>Copper-Constantan</td>
<td>Copper Constantan</td>
<td>Blue</td>
<td>HMPW-T-F HMPW-T-M</td>
</tr>
<tr>
<td>E</td>
<td>CHROMEGA-Constantan</td>
<td>CHROMEGA Constantan</td>
<td>Purple</td>
<td>HMPW-E-F HMPW-E-M</td>
</tr>
<tr>
<td>R/S C</td>
<td>Pt/13%Rh-Pt</td>
<td>Copper RNX/SNX</td>
<td>Green</td>
<td>HMPW-R/S-F HMPW-R/S-M</td>
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<tr>
<td>C</td>
<td>W/5%Re-W/26%Re</td>
<td>CPX CNX</td>
<td>Red</td>
<td>HMPW-C-F HMPW-C-M</td>
</tr>
<tr>
<td>U</td>
<td>Uncompensated</td>
<td>Copper Copper</td>
<td>White</td>
<td>HMPW-U-F HMPW-U-M</td>
</tr>
<tr>
<td>N</td>
<td>OMEGALLOY®</td>
<td>OMEGA-P® OMEGA-N®</td>
<td>Orange</td>
<td>HMPW-N-F HMPW-N-M</td>
</tr>
</tbody>
</table>

† Types J, K, T, E, R, S and B are ANSI designations. OMEGALLOY is generically known as Nicrosil-Nisil.

**Note:** Type U (uncompensated) connectors are used with Type B thermocouples (Pt/8%Rh-Pt/30%Rh).

**Ordering Examples:**
- HMPW-K-M, high temperature subminiature male write-on connector with molded in ferrite core, Type K calibration, and HFMPW-K-F, high temperature subminiature female write-on connector, Type K calibration, (please order as separate line items).
- HFMPW-R/S-M, high temperature subminiature male write-on connector with molded ferrite core, Type R/S.