

# Low-Noise, High-Temperature Miniature Connectors



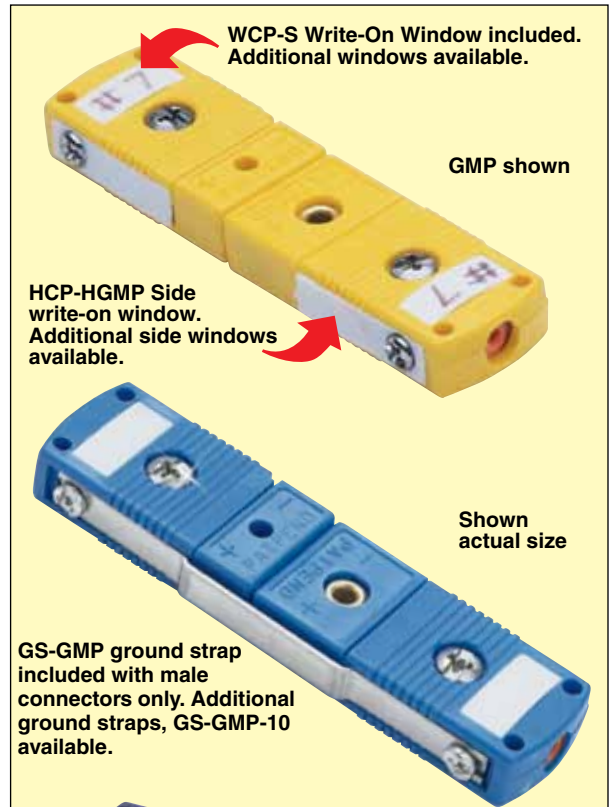
GMP Glass-Filled Nylon Rated -29 to 220°C (-20 to 425°F)

HGMP Liquid Crystal Polymer Rated -29 to 260°C (-20 to 500°F)

## GMP and HGMP Series

- ✓ Connector Ground Protects Against Electrical Noise Errors
- ✓ Write-On Window for Easy Identification
- ✓ Superior Mechanical Connection Prevents Signal Loss Due to Vibration or Wire Movement
- ✓ High-Purity Thermocouple Alloy Pins and Sockets
- ✓ Accepts Stranded or Solid Wire Up to Size 20 AWG

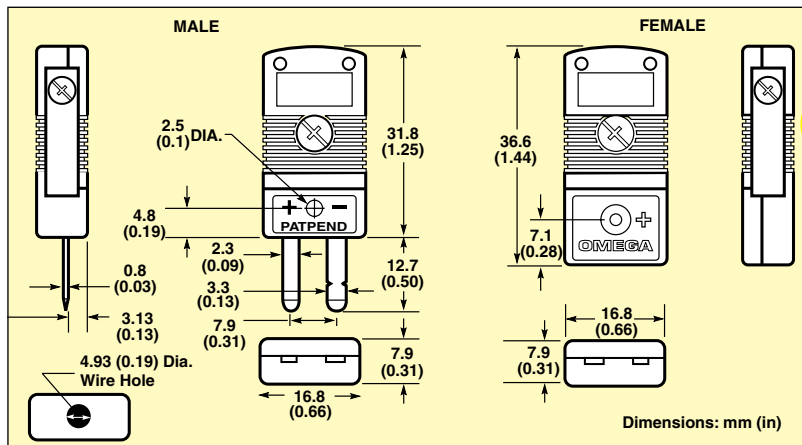
The OMEGA® GMP and HGMP miniature low-noise connectors are designed to provide easy connection of ground wires to OMEGA® probes and extension wires. The drain wire of a 20 AWG twisted shield cable or the shield of the overbraided wire is crimped and held in place by their internal hardware. They have excellent thermal and electrical characteristics to assure high accuracy. Each connector includes write-on windows for front and side, and an external ground strap to maintain the electrical connection of the ground wire and strengthen the mechanical link between connectors.



See OMEGA's Complete Selection of Connector Accessories visit us online



Please visit us online for EXPP Series twisted and shielded thermocouple wire.



Free Hardware Included with All Male Connections

**Crimp Style Brass and Stainless Steel Bushing**

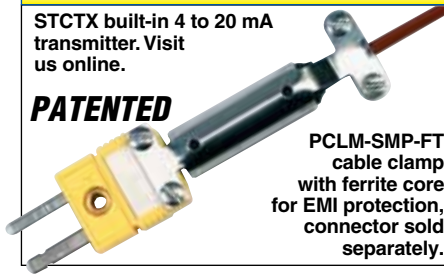
Available in sizes to fit 0.020 to 0.125" and 1.5 and 3.0 mm diameter probes. Visit us online for details.

## Also Available!

### Transmitters and Ferrite Cores for EMI Protection

STCTX built-in 4 to 20 mA transmitter. Visit us online.

**PATENTED**



PCLM-SMP-FT cable clamp with ferrite core for EMI protection, connector sold separately.

### Discount Schedule

1-10.....	Net
11-49.....	5%
50-99.....	10%
100-999.....	15%
1000-4999.....	20%
5000 and over.....	25%



Accepts stranded or solid wire up to size 20 AWG.



Connector design is a registered trademark of OMEGA Engineering, Inc.

The foolproof connector! Interior and side screws have combination heads, so you can use either a flathead or Phillips screwdriver. And they're captive, so they won't fall out.



## To Order

Alloy Code†	Type Thermocouple Used with Connector	Compensating Alloy Used in Connector		Shell Color	Model Number
		+	-		
<b>K</b>	CHROMEQA®-ALOMEGA®	CHROMEQA	ALOMEGA	Yellow	<b>GMP-K-(* )</b>
<b>T</b>	Copper-Constantan	Copper	Constantan	Blue	<b>GMP-T-(* )</b>
<b>J</b>	Iron-Constantan	Iron	Constantan	Black	<b>GMP-J-(* )</b>
<b>E</b>	CHROMEQA-Constantan	CHROMEQA	Constantan	Purple	<b>GMP-E-(* )</b>
<b>R/S</b>	Pt/13%Rh-Pt	Copper	Alloy #11	Green	<b>GMP-R/S-(* )</b>
<b>G</b>	W-W/26%Re	GPX	GNX	Red/Green	<b>GMP-G-(* )</b>
<b>C</b>	W/5% Re-W/26%Re	CPX	CNX	Red	<b>GMP-C-(* )</b>
<b>D</b>	W/3% Re-W/25%Re	DPX	DNX	Red/White	<b>GMP-D-(* )</b>
<b>U</b>	Uncompensated	Copper	Copper	White	<b>GMP-U-(* )</b>
<b>N</b>	OMEGALLOY®	OMEGA-P®	OMEGA-N®	Orange	<b>GMP-N-(* )</b>
<b>K</b>	CHROMEQA-ALOMEGA	CHROMEQA	ALOMEGA	Yellow	<b>HGMP-K-(* )</b>
<b>T</b>	Copper-Constantan	Copper	Constantan	Blue	<b>HGMP-T-(* )</b>
<b>J</b>	Iron-Constantan	Iron	Constantan	Black	<b>HGMP-J-(* )</b>
<b>E</b>	CHROMEQA-Constantan	CHROMEQA	Constantan	Purple	<b>HGMP-E-(* )</b>
<b>R/S</b>	Pt/13%Rh-Pt	Copper	RNX/SNX	Green	<b>HGMP-R/S-(* )</b>
<b>G</b>	W-W/26%Re	GPX	GNX	Red/Green	<b>HGMP-G-(* )</b>
<b>C</b>	W/5% Re-W/26%Re	CPX	CNX	Red	<b>HGMP-C-(* )</b>
<b>D</b>	W/3% Re-W/25%Re	DPX	DNX	Red/White	<b>HGMP-D-(* )</b>
<b>U</b>	Uncompensated	Copper	Copper	White	<b>HGMP-U-(* )</b>
<b>N</b>	OMEGALLOY	OMEGA-P	OMEGA-N	Orange	<b>HGMP-N-(* )</b>

## Accessories

Model No.	Description
<b>HCP-S</b>	Write-on window for HGMP connector face
<b>WCP-S</b>	Replaceable write-on windows for GMP connector face
<b>HCP-HGMP</b>	Write-on window for HGMP connector side
<b>WCP-GMP</b>	Replaceable write-on insert for GMP connector side
<b>GS-GMP-10</b>	Ground straps

**Note:** Each connector is supplied with a write-on window for the face and side. The ground strap replaces the side window and maintains the electrical connection through the connector.

\*To order, specify "M" for male connector only, or "F" for female connector only.

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

**Note:** Type U (uncompensated) connector bodies are used with Type B thermocouples (Pt/6%Rh-Pt/30%Rh).

**Ordering Examples:** HGMP-J-M, high-temp, low-noise, Type J calibration, male connector.

HGMP-K-F, high-temp, low-noise, Type K calibration, female connector.