

# Low-Noise, High-Temperature Miniature Connectors

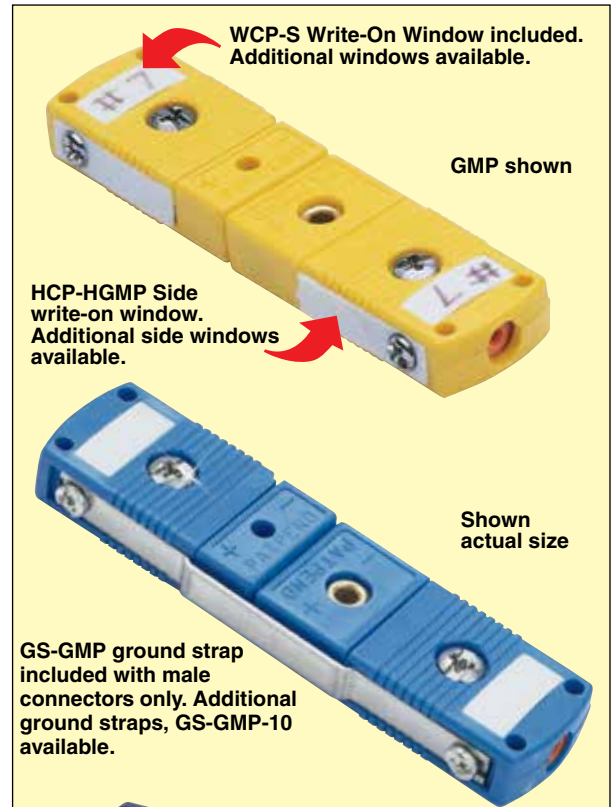
GMP Glass-Filled Nylon Rated -29 to 220°C (-20 to 425°F)  
 HGMP Liquid Crystal Polymer Rated -29 to 260°C (-20 to 500°F)



## 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. An External ground strap to maintain the electrical connections of the ground wire and strengthen the mechanical link between connectors.

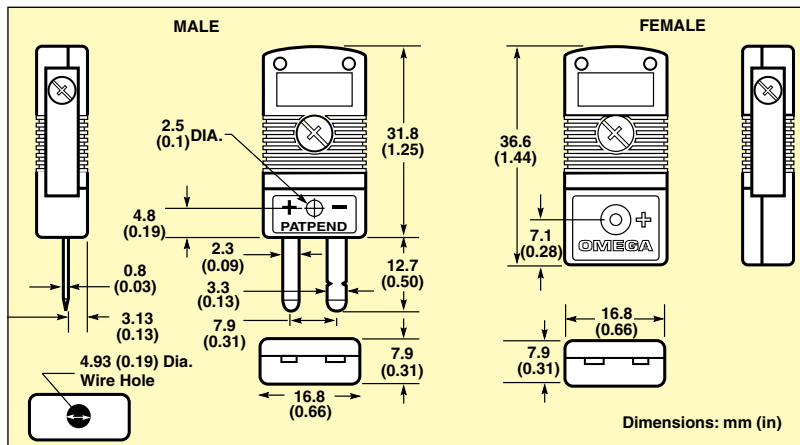


See OMEGA's Complete Selection of Connector Accessories visit us online



Miniature connectors shown actual size.

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



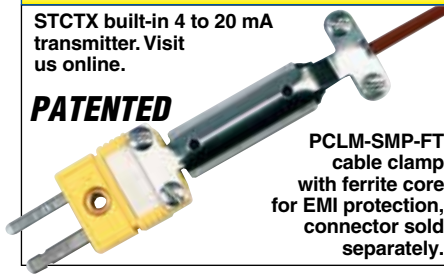
Available in sizes to fit 0.020 to 0.125" and 1.5 and 3.0 mm diameter probes. Visit us online for details.

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

## Accessories

Model No.	Description
HCP-S	Write-on window for HGMP connector face
WCP-S	Replaceable write-on windows for GMP connector face
HCP-HGMP	Write-on window for HGMP connector side
WCP-GMP	Replaceable write-on insert for GMP connector side
GS-GMP-10	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.