

# 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)

HGMP Series

Starts at

**\$5<sup>90</sup>**

Basic Pair

GMP Series

Starts at

**\$5<sup>50</sup>**

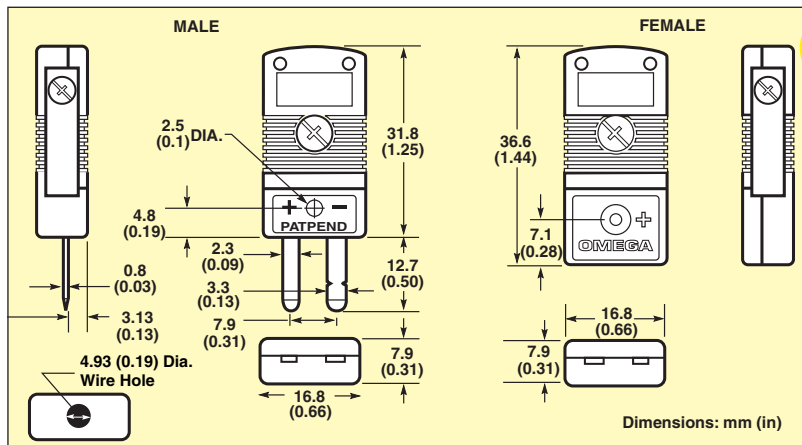
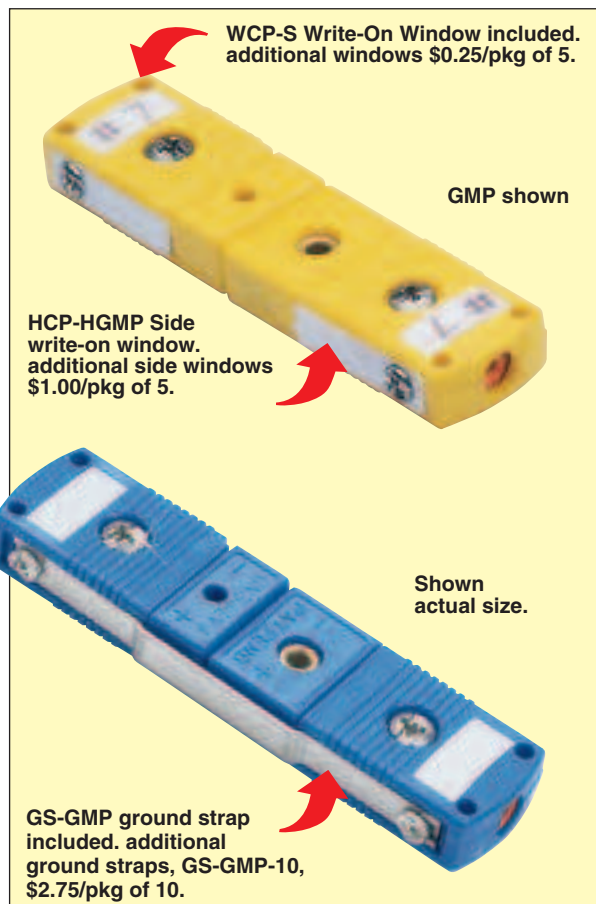
Basic Pair



- ✓ 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

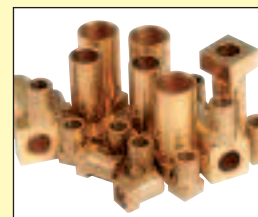
The GMP and HGMP miniature low-noise connectors are designed to provide easy connection of ground wires to probes and extension wires. The drain wire of a 20 AWG twisted shield cable or the shield of the overbraided wire is crimped and held in place by the their internal hardware. They have excellent 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.

Please see page H-38 for EXPP Series twisted and shielded thermocouple wire.



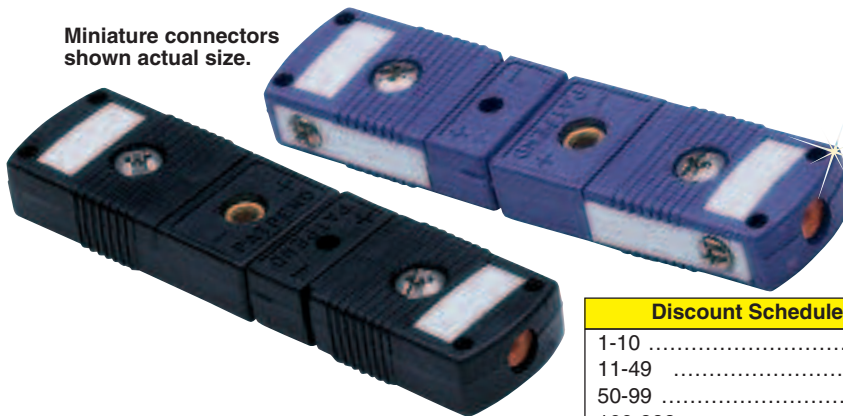
**Free Hardware Included with All Male Connections**

**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. See page G-34.

Miniature connectors shown actual size.

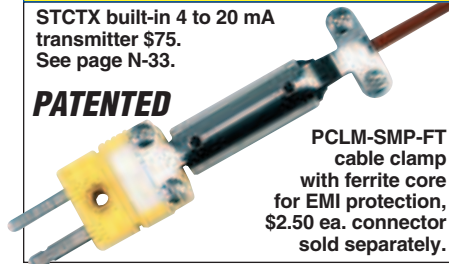


## Also Available!

### Transmitters and Ferrite Cores for EMI Protection

STCTX built-in 4 to 20 mA transmitter \$75.  
See page N-33.

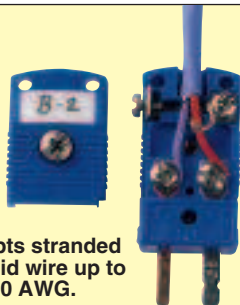
**PATENTED**



PCLM-SMP-FT cable clamp with ferrite core for EMI protection, \$2.50 ea. 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

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.



**MOST POPULAR MODELS HIGHLIGHTED!**

## To Order (Specify Model Number)

Alloy Code <sup>†</sup>	Type Thermocouple Used With Connector	Compensating Alloy Used in Connector		Shell Color	Model Number	Price		
		+	-			Pair (MF)	Female (F)	Male (M)
<b>K</b>	CHROMEALLOY®-ALOMEGA®	CHROMEALLOY®	ALOMEGA®	Yellow	GMP-K-(* )	\$5.50	\$3.00	\$2.50
<b>T</b>	Copper-Constantan	Copper	Constantan	Blue	GMP-T-(* )	5.50	3.00	2.50
<b>J</b>	Iron-Constantan	Iron	Constantan	Black	GMP-J-(* )	5.50	3.00	2.50
<b>E</b>	CHROMEALLOY®-Constantan	CHROMEALLOY®	Constantan	Purple	GMP-E-(* )	5.50	3.00	2.50
<b>R/S</b>	Pt/13%Rh-Pt	Copper	Alloy #11	Green	GMP-R/S-(* )	5.50	3.00	2.50
<b>C</b>	W/5% Re-W/26%Re	CPX	CNX	Red	GMP-C-(* )	5.50	3.00	2.50
<b>U</b>	Uncompensated	Copper	Copper	White	GMP-U-(* )	5.50	3.00	2.50
<b>N</b>	OMEGALLOY®	OMEGA-P®	OMEGA-N®	Orange	GMP-N-(* )	8.25	4.50	3.75
<b>K</b>	CHROMEALLOY®-ALOMEGA®	CHROMEALLOY®	ALOMEGA®	Yellow	HGMP-K-(* )	\$5.90	\$3.20	\$2.70
<b>T</b>	Copper-Constantan	Copper	Constantan	Blue	HGMP-T-(* )	5.90	3.20	2.70
<b>J</b>	Iron-Constantan	Iron	Constantan	Black	HGMP-J-(* )	5.90	3.20	2.70
<b>E</b>	CHROMEALLOY®-Constantan	CHROMEALLOY®	Constantan	Purple	HGMP-E-(* )	5.90	3.20	2.70
<b>R/S</b>	Pt/13%Rh-Pt	Copper	RNX/SNX	Green	HGMP-R/S-(* )	5.90	3.20	2.70
<b>C</b>	W/5% Re-W/26%Re	CPX	CNX	Red	HGMP-C-(* )	5.90	3.20	2.70
<b>U</b>	Uncompensated	Copper	Copper	White	HGMP-U-(* )	5.90	3.20	2.70
<b>N</b>	OMEGALLOY®	OMEGA-P®	OMEGA-N®	Orange	HGMP-N-(* )	8.65	4.70	3.95

## Accessories

Model No.	Price	Description
HCP-S	\$0.25/pkg of 5	Write-on window for HGMP connector face
WCP-S	\$0.25/pkg of 5	Replaceable write-on windows for GMP connector face
HCP-HGMP	\$1.00/pkg of 5	Write-on window for HGMP connector side
WCP-GMP	\$1.00/pkg of 5	Replaceable write-on insert for GMP connector side
GS-GMP-10	\$2.75/pkg of 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 "MF" for connector pair, "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:** GMP-K-MF, glass filled nylon, Type K calibration, connector pair, \$5.50. HGMP-J-M, high-temp, low-noise, Type J calibration, male connector, \$2.70. HGMP-K-F, high-temp, low-noise, Type K calibration, female connector, \$3.20.