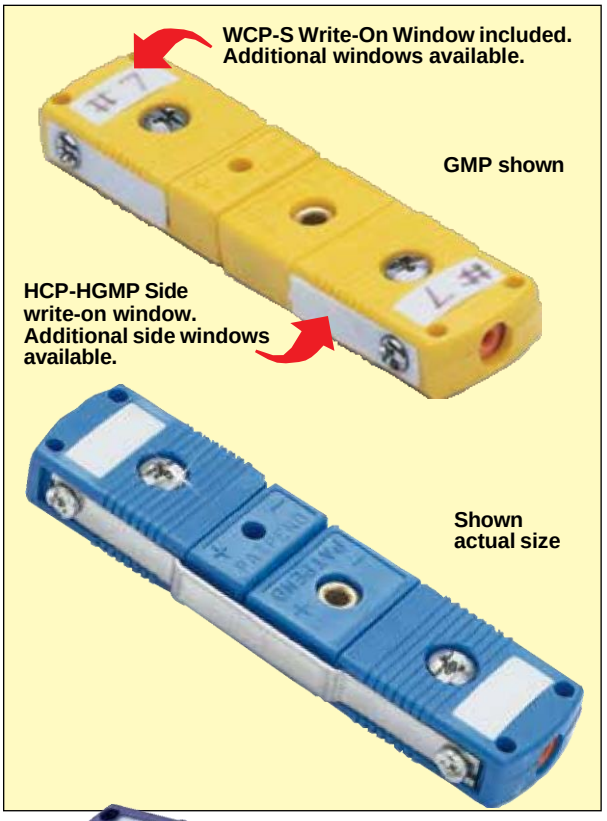
Low-Noise, High-Temperature Miniature Connectors

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



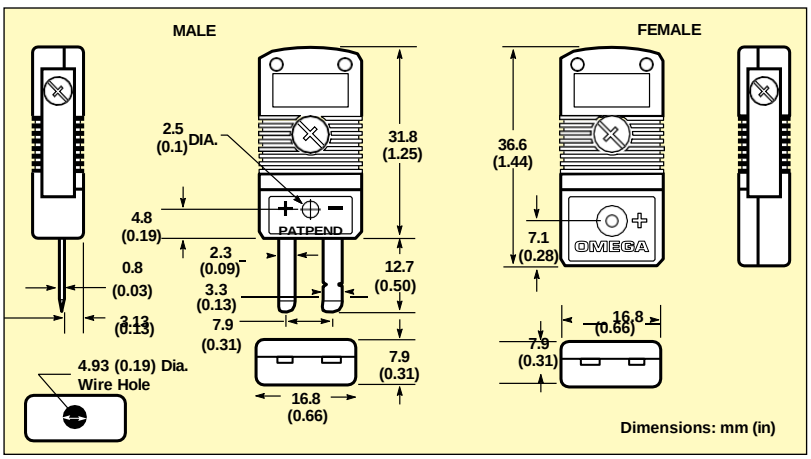
The OMEGA™ GMP and HGMP miniature low-noise connectors are designed to provide easy connection of ground wires to OMEGA™ probes and extension wires. The drain wire of a 20 AWG twisted shield cable or the shield of the overbraided wire is crimped and held in place by the their internal hardware. They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

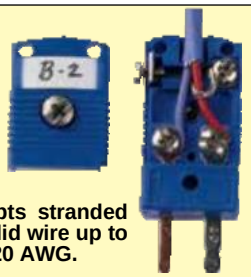
Please visit us online for EXPP Series twisted and shielded thermocouple wire.



Crimp Style Brass and Stainless Steel Bushing

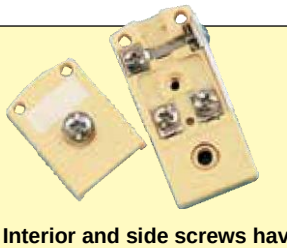


Available in sizes to fit 0.020 to 0.125" and 1.5 and 3.0 mm diameter probes. Visit us online for details.



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 +	Compensating Alloy Used in Connector -	Shell Color	Model Number
K	CHROMEGA™-ALOMEGA™	CHROMEGA	ALOMEGA	Yellow	**GMP-K-(*)**
T	Copper-Constantan	Copper	Constantan	Blue	**GMP-T-(*)**
J	Iron-Constantan	Iron	Constantan	Black	**GMP-J-(*)**
E	CHROMEGA-Constantan	CHROMEGA	Constantan	Purple	**GMP-E-(*)**
R/S	Pt/13%Rh-Pt	Copper	Alloy #11	Green	**GMP-R/S-(*)**
C	W/5% Re-W/26%Re	CPX	CNX	Red	**GMP-C-(*)**
U	Uncompensated	Copper	Copper	White	**GMP-U-(*)**
N	OMEGALLOY™	OMEGA-P™	OMEGA-N™	Orange	**GMP-N-(*)**
K	CHROMEGA-ALOMEGA	CHROMEGA	ALOMEGA	Yellow	**HGMP-K-(*)**
T	Copper-Constantan	Copper	Constantan	Blue	**HGMP-T-(*)**
J	Iron-Constantan	Iron	Constantan	Black	**HGMP-J-(*)**
E	CHROMEGA-Constantan	CHROMEGA	Constantan	Purple	**HGMP-E-(*)**
R/S	Pt/13%Rh-Pt	Copper	RNX/SNX	Green	**HGMP-R/S-(*)**
C	W/5% Re-W/26%Re	CPX	CNX	Red	**HGMP-C-(*)**
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	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.*

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

OMEGA Engineering:

1PT100KN1515CLA CF-000-RTD-2-60-1 PX119-1KGI ITHX-SD-5 MSS-02 PX309-100G5V KFH-3-120-C1-11L1M2R NHXH-K-M PX409-100GUSBH SMPW-E-F 5TC-TT-T-30-36 USHX-K-M MSS-04 MTC-12-MC PX309-500GI D8100 HPC-CH-S TT-T-30-SLE-500 MPJ-U-F PX409-005GI SHX-U-M SMTC-15M TC-K-NPT-U-72 HSRTD-3-100-A-40-E LC201-300 OS136A-1-MA P13R-005 PX309-030GI PX835-005GI WTJ-HD-72-S