

# Most Popular Miniature Connectors

Type SMPW Glass Filled Nylon

-29 to 180°C (-20 to 356°F) Service Temperature

Type HMPW Liquid Crystal Polymer

-29 to 260°C (-20 to 500°F) Service Temperature

**HMPW/SMPW  
Basic Pair**

**MONOGRAM<sup>®</sup>  
SERIES**

- ✓ Heavy Duty Construction
- ✓ Color-Coded for ANSI and IEC
- ✓ Captive Cover Screws
- ✓ Accepts Stranded or Solid Wire up to Size 20 AWG
- ✓ Quick Connect Contact Washers
- ✓ Internal Wire Divider
- ✓ Combination Phillips/Slot Screws
- ✓ Type HMPW Environmentally Friendly Cadmium-Free

**SMPW**  
-29 to 180°C



**HMPW**  
-29 to 356°C



SMPW — Glass-Filled Nylon  
HMPW — Cadmium Free Liquid Crystal Polymer

Shown smaller than actual size.

*Note: Minor discoloration of connector may occur between 150°C (302°F) and 180°C (356°F). Electrical properties are not affected. SMPW only.*

We make running changes when technical advances allow. Check at time of ordering for additional features.

Silicone Wire Grommet SR-SMP.

Liquid Crystal Polymer!

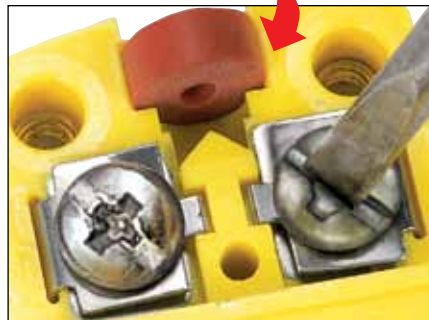
Shown larger than actual size.

Chisel point male contacts.



Removable/reversible write-on window at no extra charge.

Internal wire divider.



*Note: Minor discoloration of connector may occur between 150°C (302°F) and 180°C (356°F). Electrical properties are not affected. SMPW only.*

Glass-Filled Nylon!

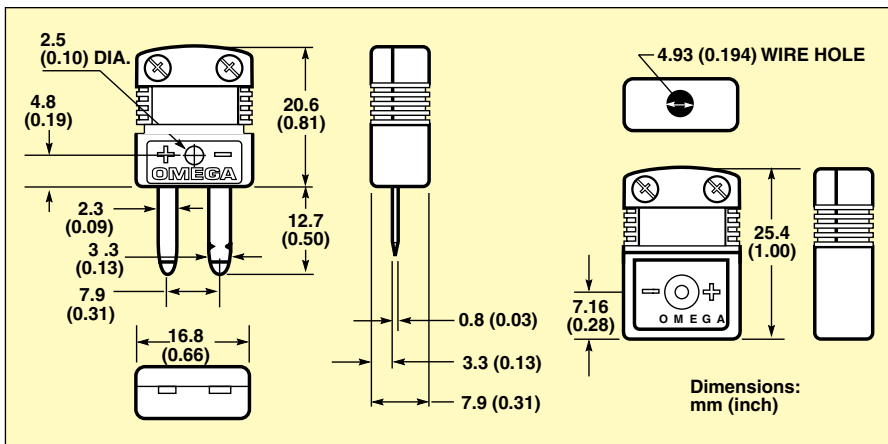


Actual size.

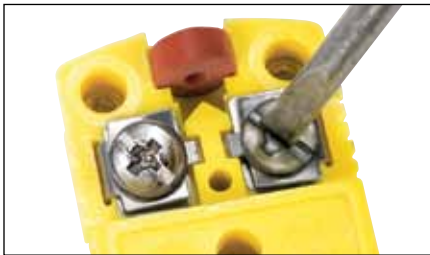
Crimp Style Brass and Stainless Steel Bushing



Available in sizes to fit 0.020 to 0.125" and 1.5 and 3.0 mm diameter probes, visit us online,



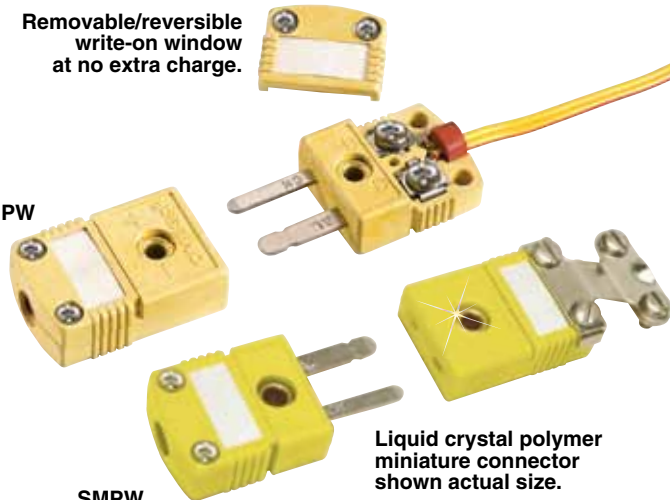
The write-on connector is a trademark of OMEGA Engineering, Inc. Additional write-on windows available, order WCP-S, pkg of 5.



Quick connect contact washers. Additional washers available, order CW-SMP-20, pkg of 20, or CW-SMP-100, pkg of 100

Removable/reversible write-on window at no extra charge.

HMPW



SMPW

Liquid crystal polymer miniature connector shown actual size.

**Transmitters and Ferrite Cores for EMI Protection**

STCTX built-in 4 to 20 mA transmitter.

**PATENTED**

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

Alloy Code†	Compensating Alloy Used in Connector		Shell Color	Glass-Filled Nylon Model Number w/Window	Liquid Crystal Polymer Model Number w/Window
	+	-			
K	Chromega®	Alomega®	Yellow	SMPW-K-(* )	HMPW-K-(* )
T	Copper	Constantan	Blue	SMPW-T-(* )	HMPW-T-(* )
J	Iron	Constantan	Black	SMPW-J-(* )	HMPW-J-(* )
E	Chromega®	Constantan	Purple	SMPW-E-(* )	HMPW-E-(* )
R/S	Copper	RNX/SNX	Green	SMPW-R/S-(* )	HMPW-R/S-(* )
G	GPX	GNX	Red/Grn	SMPW-G-(* )	HMPW-G-(* )
C	CPX	CNX	Red	SMPW-C-(* )	HMPW-C-(* )
D	DPX	DNX	Red/Wht	SMPW-D-(* )	HMPW-D-(* )
U	Copper	Copper	White	SMPW-U-(* )	HMPW-U-(* )
N	Omega-P®	Omega-N®	Orange	SMPW-N-(* )	HMPW-N-(* )

\*To Order: Specify "MF" for a 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 coded models shown.  
 Note: Non-Window models available, please consult Sales for details.  
 Type U (uncompensated) connectors are used with Type B thermocouples (Pt/6%Rh-Pt/30%Rh).  
 Ordering Examples: SMPW-K-MF, glass-filled nylon, Type K connector pair. SMPW-K-M, glass-filled nylon, Type K male connector.  
 SMPW-K-F, glass-filled nylon, Type K female connector. HMPW-K-MF, liquid crystal polymer, Type K connector pair.