

# Most Popular Miniature Connectors

Type SMPW Glass Filled Nylon

-29 to 220°C (-20 to 425°F) Service Temperature

Type HMPW Liquid Crystal Polymer

260°C (500°F) Service Temperature

## HMPW/SMPW Basic Pair

- ✓ 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 220°C



HMPW  
-29 to 260°C



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

Shown smaller than actual size.

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.

Glass-Filled  
Nylon!

Actual size.

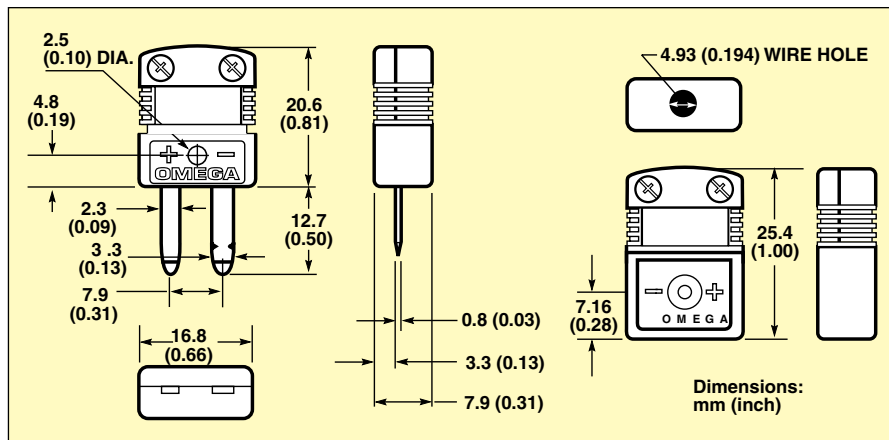
Removable/reversible  
write-on window at  
no extra charge.

Internal wire  
divider.

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 [newportUS.com](http://newportUS.com)



The write-on connector is a trademark. 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

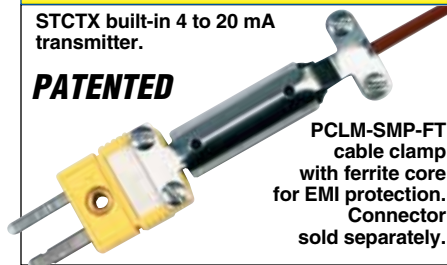
Liquid crystal polymer miniature connector shown actual size.

## Also Available!

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.

Order additional silicone wire grommets! SR-SMP-10, pkg of 10 or SR-SMP-100, pkg of 100

## Discount Schedule

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

**To Order** Visit [newportUS.com/SMP\\_W](http://newportUS.com/SMP_W) for Pricing and Details

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

\*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.