

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

- ✓ 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

Silicone Wire Grommet SR-SMP.

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

Liquid Crystal Polymer!

Glass-Filled Nylon!

Shown larger than actual size.

Chisel point male contacts.

SMPW
-29 to 180°C

HMPW
-29 to 260°C



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

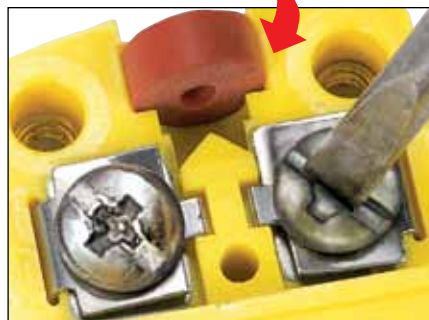
Internal wire divider.

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

Shown smaller than actual size.

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

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



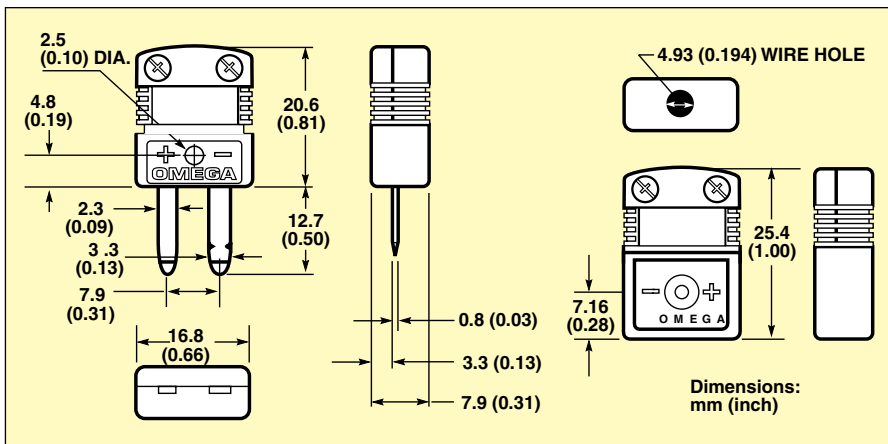
Actual size.

Crimp Style Brass and Stainless Steel Bushing

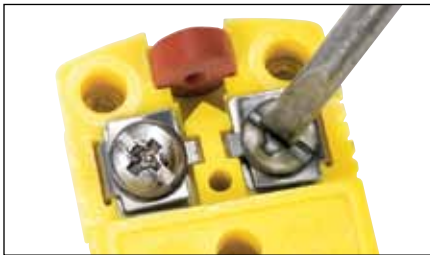


Available in sizes to fit 0.020 to 0.125" and 1.5 and 3.0 mm diameter probes, visit us online.

For OMEGA's Selection of Connector Accessories 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.

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					
Alloy Code†	Compensating Alloy Used in Connector		Shell Color	Glass-Filled Nylon Model Number w/Window	Liquid Crystal Polymer Model Number w/Window
	+	-			
K	CHROMEGLA®	ALOMEGA®	Yellow	SMPW-K-(*)	HMPW-K-(*)
T	Copper	Constantan	Blue	SMPW-T-(*)	HMPW-T-(*)
J	Iron	Constantan	Black	SMPW-J-(*)	HMPW-J-(*)
E	CHROMEGLA	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 "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-M, glass-filled nylon, Type K male connector. SMPW-K-F, glass-filled nylon, Type K female connector.

G

Most Popular Standard Connectors

Glass Filled Nylon Range -29 to 180°C (-20 to 356°F)

Liquid Crystal Polymer Range -29 to 260°C (-20 to 500°F)

OSTW/HSTW

- ✓ Universal Female “Fits All” Design
- ✓ Hollow-Pin Construction
- ✓ Color-Coding for ANSI or IEC
- ✓ Captive Cover Screws
- ✓ Accepts Stranded or Solid Wire up to Size 14 AWG
- ✓ Quick Connect Contact Washers
- ✓ Internal Wire Divider
- ✓ Write-On Window
- ✓ Combination Phillips/Slot Screws



Removable/reversible write-on window at no extra charge

Universal Female Connector

Shown larger than actual size.

OSTW -29 to 180°C	HSTW -29 to 260°C

OSTW — Glass-Filled Nylon -29 to 180°C
HSTW — Cadmium Free Liquid Crystal Polymer -29 to 260°C
Shown smaller than actual size

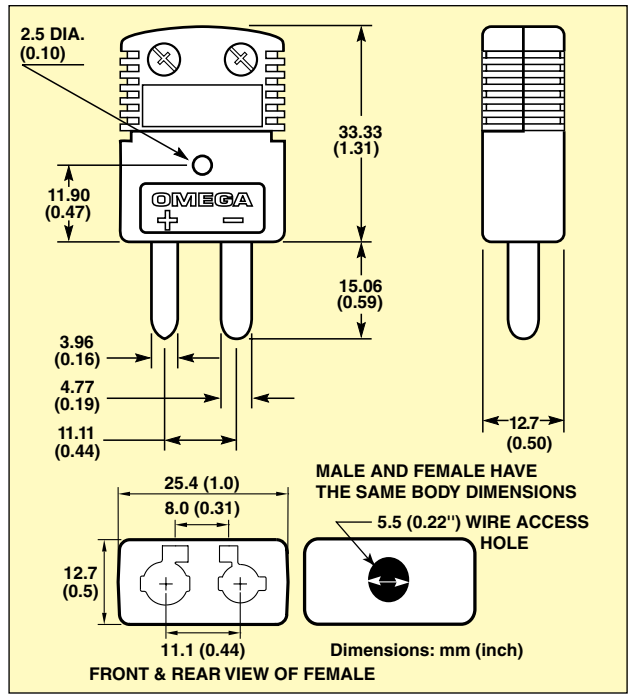


Tapered point male contacts.



Shown actual size.

Silicon strain relief grommet at no extra charge.



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

Also Available!

Transmitters and Ferrite Cores for EMI Protection

STCTX built-in 4 to 20 mA transmitter.

PATENTED

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

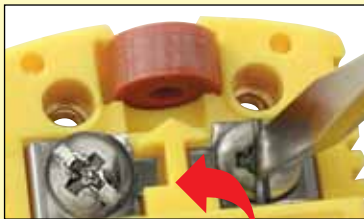
Solid Pin Connectors Available

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

Quick connect contact washers. additional washers available, order CW-OST-20, pkg of 20, or CW-OST-100, pkg of 100.



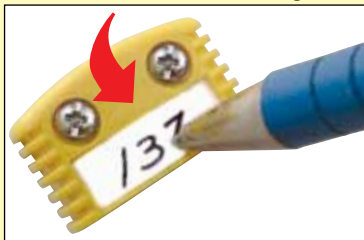
Silicon strain relief grommet at no extra charge.



Internal wire divider

Silicon strain relief grommet at no extra charge. Additional grommets, order SR-OST-10, pk of 10, SR-OST-100, pk of 100

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



Additional write-on windows available, order WCP-L, pkg of 5.

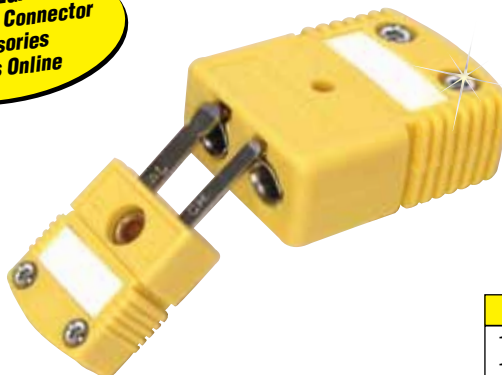
The OSTW and High-Temperature HSTW Feature OMEGA's Universal Female Connector Design Which Accepts Both Standard and Miniature Sized Male Pins—An OMEGA Manufactured Innovation

Captive cover screws at no extra charge.



Universal Female Mates with Standard or Miniature Thermocouple Connectors

For OMEGA's Selection of Connector Accessories Visit Us Online



Discount Schedule

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

To Order

Alloy Code†	Compensating Alloy Used in Connector		ANSI Color Code	Glass-Filled Nylon Model Number		Liquid Crystal Polymer Model Number	
	+	—		Male	Uni-Female	Male*	Uni-Female
	-29 to 180°C (-20 to 356°F)						-29 to 260°C (-20 to 500°F)
K	CHROMECA®	ALOMEGA®	Yellow	OSTW-K-M	OSTW-K-F	HSTW-K-M-S	HSTW-K-F
T	Copper	Constantan	Blue	OSTW-T-M	OSTW-T-F	HSTW-T-M-S	HSTW-T-F
J	Iron	Constantan	Black	OSTW-J-M	OSTW-J-F	HSTW-J-M-S	HSTW-J-F
E	CHROMECA®	Constantan	Purple	OSTW-E-M	OSTW-E-F	HSTW-E-M-S	HSTW-E-F
R/S	Copper	RNX/SNX	Green	OSTW-R/S-M	OSTW-R/S-F	HSTW-R/S-M-S	HSTW-R/S-F
C	CPX	CNX	Red	OSTW-C-M-S*	—	HSTW-C-M-S	—
U	Copper	Copper	White	OSTW-U-M	OSTW-U-F	HSTW-U-M-S	HSTW-U-F
N	OMEGA-P®	OMEGA-N®	Orange	OSTW-N-M	OSTW-N-F	HSTW-N-M-S	HSTW-N-F

To order solid pin male connectors add suffix “-S” to the model number for additional cost. * Solid pin only.
 † J, K, T, E, R, S and B are ANSI designations. OMEGALLOY® (OMEGA-P® & OMEGA-N®) is generically known as Nicrosil-Nisil.
 ANSI color coded models shown.
 Note: Type U (uncompensated) connectors are used with Type B thermocouples (Pt/6%Rh-Pt/30%Rh).

3-Prong Standard Heavy Duty Connectors

OTP Series

- Supplied with Shielded Wire Copper Connection Pin
- High-Impact Construction
- Color-Coded for ANSI or IEC
- Accepts Stranded or Solid Wire up to Size 14 AWG
- Combination Phillips/Slot Screws
- Recommended for Most Applications Requiring 3-Wire Circuits, Including Shielded Thermocouples, Thermistors, and RTDs
- Glass-Filled Nylon, Rated from -29 to 180°C (-20 to 356°F)

OTP-T-M Male (plug)

Both shown slightly larger than actual size.

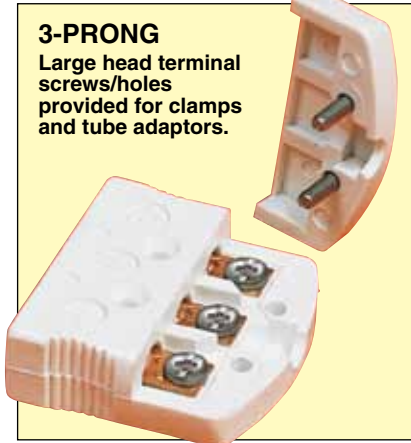
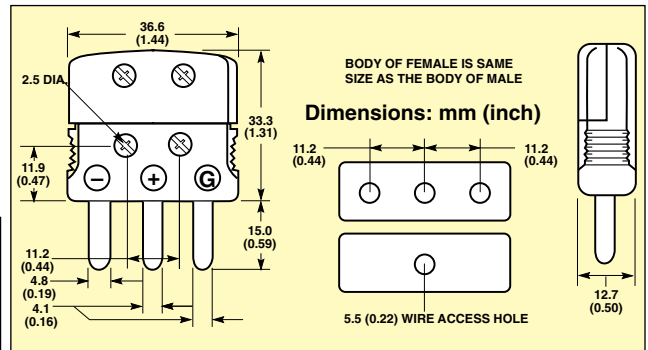


OTP-T-F female (jack) shown with optional PCLM cable clamp.

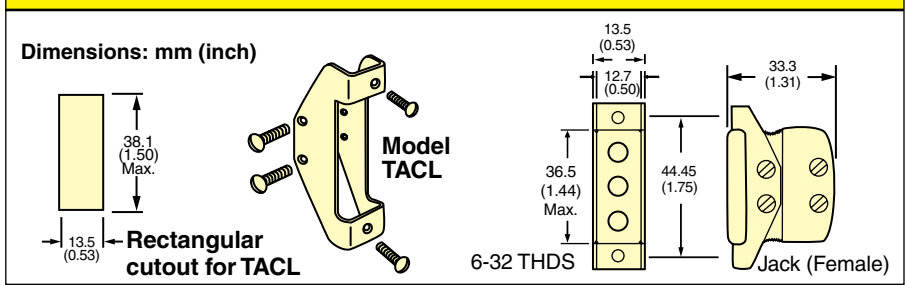
Note: Minor discoloration of connector may occur between 150°C (302°F) and 180°C (356°F). Electrical properties are not affected.

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

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



Panel Adaptor Clips for Mounting 3-Pin Plugs and Sockets



To Order

Alloy Code†	Type of Thermocouple Used With Connector	Compensating Alloy Used in Connector		Shell Color	Model Number
		+	-		
K	CHROMEALLOY®-ALOMEALLOY®	CHROMEALLOY®	ALOMEALLOY®	Yellow	OTP-K-*
T	Copper-Constantan	Copper	Constantan	Blue	OTP-T-*
J	Iron-Constantan	Iron	Constantan	Black	OTP-J-*
E	CHROMEALLOY®-Constantan	CHROMEALLOY®	Constantan	Purple	OTP-E-*
U	Uncompensated	Copper	Copper	White	OTP-U-*
N	OMEGALLOY®	OMEGA-P®	OMEGA-N®	Orange	OTP-N-*

OMEGALLOY® is generically known as Nicrosil-Nisil.
 * To order, specify "M" for male connector only, or "F" for female connector only.
 † J, K, T, and E are ANSI designations.

Note: Type U (uncompensated) connectors are used with Type B thermocouples (Platinum/6% Rhodium-Platinum 30%Rhodium)
Ordering Example: OTP-U-M, uncompensated, 3-prong, heavy duty male connector.