

# Ceramic Ultra High Temperature Miniature Connectors

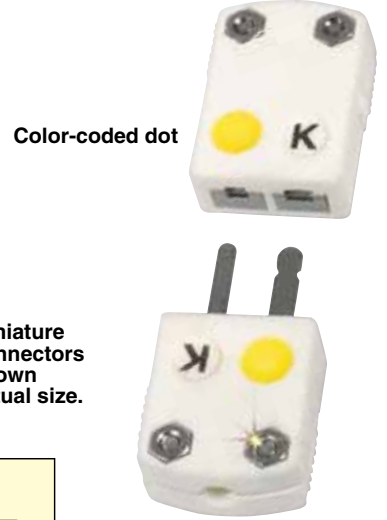
OMEGA's Exclusive High Purity Alumina Body Type SHX and USHX Rated From -29 to 650°C (-20 to 1200°F)

- ✓ Extra Heavy Duty Ceramic Construction
- ✓ One-Piece Body with Removable Cap Design
- ✓ Oversized Terminal Screws for Easy Wiring
- ✓ Accepts Stranded or Solid Wire up to Size 20 AWG
- ✓ Combination Phillips/Slot Screws

SHX subminiature connectors are ideal for use with fine gage thermocouple wires in applications where high temperatures are required. The SHX connector is permanently dot-coded to conform to ANSI and OMEGA standards; for applications such as high vacuum furnaces where contamination would adversely affect the process, USHX connectors are shipped with a removable color-coding dot. Two-piece ceramic construction assures long life, while the oversized terminal screws allow for easy wiring.



SHX Series Basic Male Connector



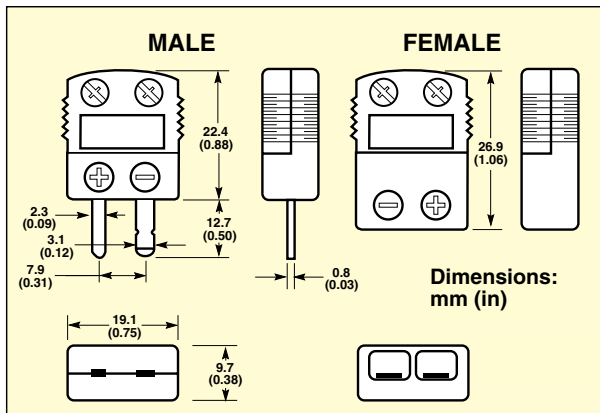
Miniature connectors shown actual size.

4.93 mm (0.19") wire access hpole

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

**Available with:**

- Type SHX Glazed Color-Coded Dot
- Type USHX Unglazed Removable Color Dot



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

To Order					
Alloy Code†	Type of Thermocouple Used With Connector	Compensating Used in Connector		Alloy Color Code	ANSI Model Number
		+	-		
<b>K</b>	ALOMEGA®	CHROMEALLOY®	ALOMEGA	Yellow	<b>SHX-K-(*)</b>
<b>T</b>	Copper-Constantan	Copper	Constantan	Blue	<b>SHX-T-(*)</b>
<b>J</b>	Iron-Constantan	Iron	Constantan	Black	<b>SHX-J-(*)</b>
<b>E</b>	CHROMEALLOY-Constantan	CHROMEALLOY	Constantan	Purple	<b>SHX-E-(*)</b>
<b>R/S</b>	Pt/13%Rh-Pt	Copper	RNX/SNX	Green	<b>SHX-R/S-(*)</b>
<b>G</b>	W-W/26%Re	GPX	GNX	Red/Grn	<b>SHX-G-(*)</b>
<b>C</b>	W/5%Re-W/26%Re	CPX	CNX	Red	<b>SHX-C-(*)</b>
<b>D</b>	W/3%Re-W/25%Re	DPX	DNX	Red/Wht	<b>SHX-D-(*)</b>
<b>U</b>	Uncompensated	Copper	Copper	White	<b>SHX-U-(*)</b>
<b>N</b>	OMEGALLOY®	OMEGA-P®	OMEGA-N®	Orange	<b>SHX-N-(*)</b>

\*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, Type N, is generically known as Nicrosil-Nisil.

**Note:** Type U uncompensated (model SHX-U) connectors are used with Type B thermocouples (Pt/6%Rh-Pt/30%Rh)  
**Note:** To order unglazed connectors (type USHX), add prefix "U" to model number; no additional cost.  
**Ordering Examples:** SHX-K-M, glazed connector, male.  
 USHX-K-F, unglazed connector, female.  
 BB-SMP-CR062-100, pkg of 100 crimp style brass bushing for 0.062 Dia. probe. Visit us online for additional information.

