

# 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



Color-coded dot

Miniature connectors shown actual size.

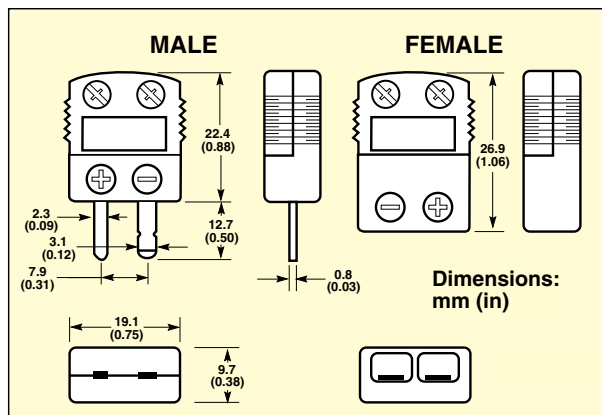


4.93 mm (0.19") wire access hole

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

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	SHX-K-(*)
<b>T</b>	Copper-Constantan	Copper	Constantan	Blue	SHX-T-(*)
<b>J</b>	Iron-Constantan	Iron	Constantan	Black	SHX-J-(*)
<b>E</b>	CHROMEALLOY-Constantan	CHROMEALLOY	Constantan	Purple	SHX-E-(*)
<b>R/S</b>	Pt/13%Rh-Pt	Copper	RNX/SNX	Green	SHX-R/S-(*)
<b>G</b>	W-W/26%Re	GPX	GNX	Red/Grn	SHX-G-(*)
<b>C</b>	W/5%Re-W/26%Re	CPX	CNX	Red	SHX-C-(*)
<b>D</b>	W/3%Re-W/25%Re	DPX	DNX	Red/Wht	SHX-D-(*)
<b>U</b>	Uncompensated	Copper	Copper	White	SHX-U-(*)
<b>N</b>	OMEGALLOY®	OMEGA-P®	OMEGA-N®	Orange	SHX-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, 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.

