

Ceramic Ultra High Temperature Miniature Connectors

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 NEWPORT 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.

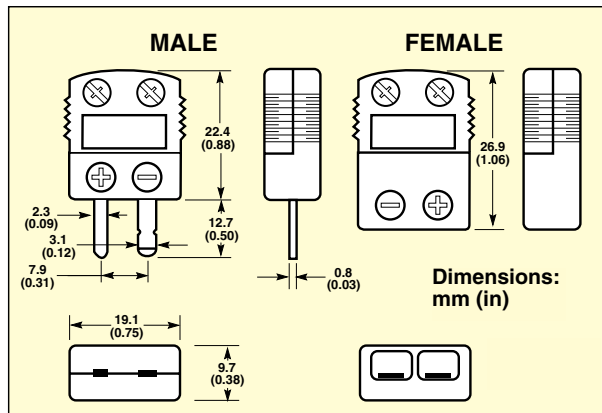


4.93 mm (0.19") wire access hole

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

*To order, specify "MF" for 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®, 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 newportUS.com for additional information.

