

# Ceramic Ultra High-Temperature Standard Size Connectors

High Purity Alumina Ceramic  
Rated -29 to 650°C (-20 to 1200°F)

**Hollow Pin Design**

**NHXH/UHXH**

6.35 mm (0.25") wire access hole

Type UHXH has an unglazed/removable color dot with no ink markings, for high vacuum furnaces where contamination could affect the process. Mating female connector is UHX-(\*)-F.

- ✓ One-Piece Body Design With Cover
- ✓ Color-Coded Dot
- ✓ Combination Phillips/Slot Screws

## High-Strength Ceramic Construction

Designed for long-term use where economy is a factor, NHXH economy connectors are ideal for high-temperature applications. NHXH connectors are permanently dot-coded to conform to ANSI standards. For applications such as high vacuum furnaces where contamination would adversely affect the process, UHXH connectors are shipped with a removable color-coded dot.

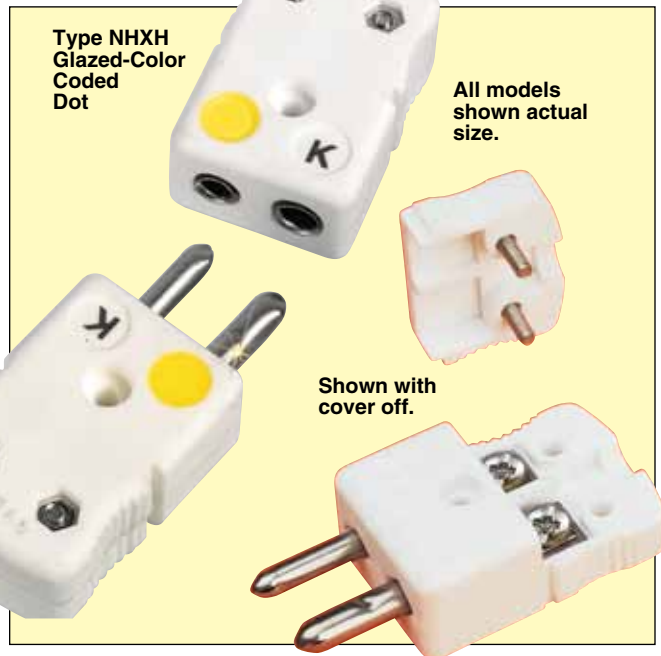
Temperature is limited only by the hardware. CHROME<sup>®</sup>GA<sup>®</sup>-ALOMEGA<sup>®</sup>, Iron-Constantan and CHROME<sup>®</sup>GA<sup>®</sup>-Constantan alloys can be used at temperatures up to 650°C (1200°F) and Copper-Constantan can be used accurately over its entire calibration range of 399°C (750°F). Noble metal calibrations are limited by the compensating alloys to ambient use of 260°C (500°F). No damage will be done by exposure to higher temperatures, but accuracies may exceed limits of error if a temperature gradient exists across the connector.

**High Purity Alumina!**

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



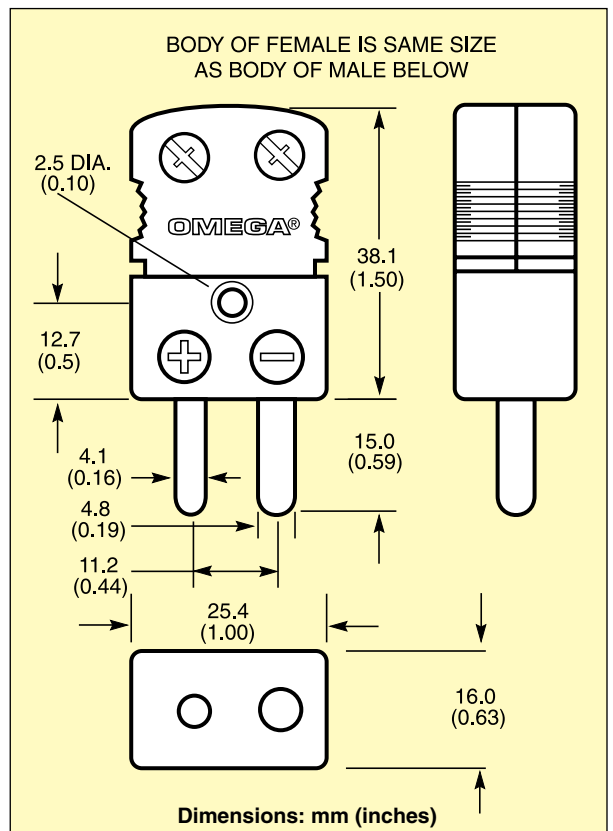
Economical hollow pin design.



Type NHXH Glazed-Color Coded Dot

All models shown actual size.

Shown with cover off.



# Ceramic Ultra High-Temperature Standard Size Connectors

High Purity Alumina Ceramic  
-29 to 650°C (-20 to 1200°F)

**Solid Pin Design**

- ✓ Extra Heavy Duty Ceramic Construction
  - ✓ One-Piece Body Design
  - ✓ Color-Coded Dot
  - ✓ Type UHX Has Removable Color Dot\*\*\* for Vacuum Furnace Applications
  - ✓ Combination Philips/Slot Screws
- NHX/UHX**



OMEGA® NHX Ceramic Connectors are permanently color-dot coded to conform to ANSI and OMEGA standards. The one-piece body construction minimizes loose hardware.

OMEGA® UHX Ceramic Connectors are identical to the NHX models, and are also constructed to eliminate any contaminants. The UHX connector is ideally suited for applications such as high vacuum furnaces where contamination could adversely affect the process. All UHX connectors are shipped with a removable color-coding 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 Codet	Compensating Alloy Used in Connector		ANSI Color Code	Hollow-Pin Model Number*	Solid-Pin Model Number*
	+	-			
<b>K</b>	CHROMECA®	ALOMEGA®	Yellow	NHXH-K-(* )	NHX-K-(* )
<b>T</b>	Copper	Constantan	Blue	NHXH-T-(* )	NHX-T-(* )
<b>J</b>	Iron	Constantan	Black	NHXH-J-(* )	NHX-J-(* )
<b>E</b>	CHROMECA®	Constantan	Purple	NHXH-E-(* )	NHX-E-(* )
<b>R/S</b>	Copper	RNX/SNX	Green	NHXH-R/S-(* )	NHX-R/S-(* )
<b>G</b>	GPX	GNX	Red/Gn	N/A	NHX-G-(* )
<b>C</b>	CPX	CNX	Red	N/A	NHX-C-(* )
<b>D</b>	DPX	DNX	Red/Wht	N/A	NHX-D-(* )
<b>U</b>	Copper	Copper	White	NHXH-U-(* )	NHX-U-(* )
<b>N</b>	OMEGA-P®	OMEGA-N®	Orange	NHXH-N-(* )	NHX-N-(* )

\* To order, specify "M" for male connector only, or "F" for female connector only.  
 \*\* The NHXH male mates with NHX female.  
 \*\*\* To order UHX connectors with removable color dot, change "NHX" to "UHX" in model number, same price.  
 To order UHXH connectors with removable color dot, change "NHXH" to "UHXH" in model number, same price.  
 † J, K, T, E, R, S and B are ANSI designations. OMEGALLOY®, Type N, is generically known as Nicrosil-Nisil. ANSI color coded models shown.  
**Note:** Type U (uncompensated) connectors are used with Type B thermocouples.

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