

# 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 Basic Pair

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.

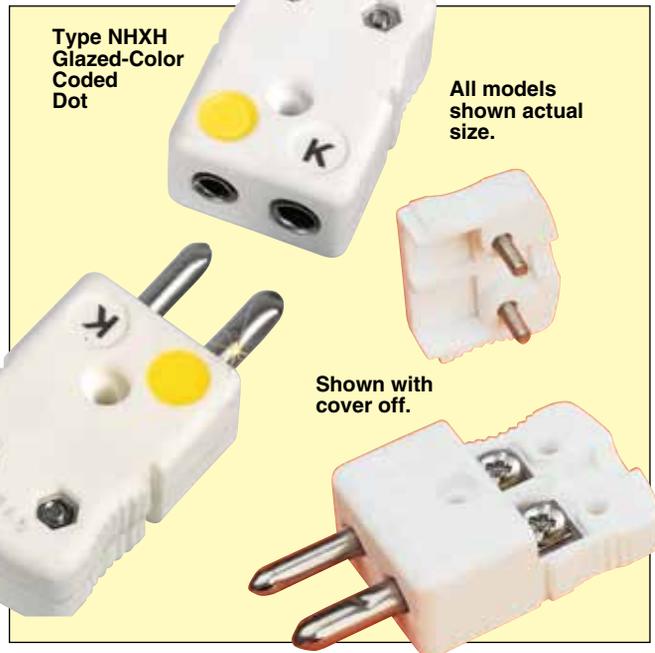
Temperature is limited only by the hardware. CHROME<sup>®</sup>GA<sup>®</sup>-ALOMEGA<sup>®</sup>, Iron-Constantan and CHROME<sup>®</sup>GA<sup>®</sup>-Constantan alloys can be used at temperatures up to 650°C (1200°F) and Copper-Constantan can be used accurately over its entire calibration range of 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.



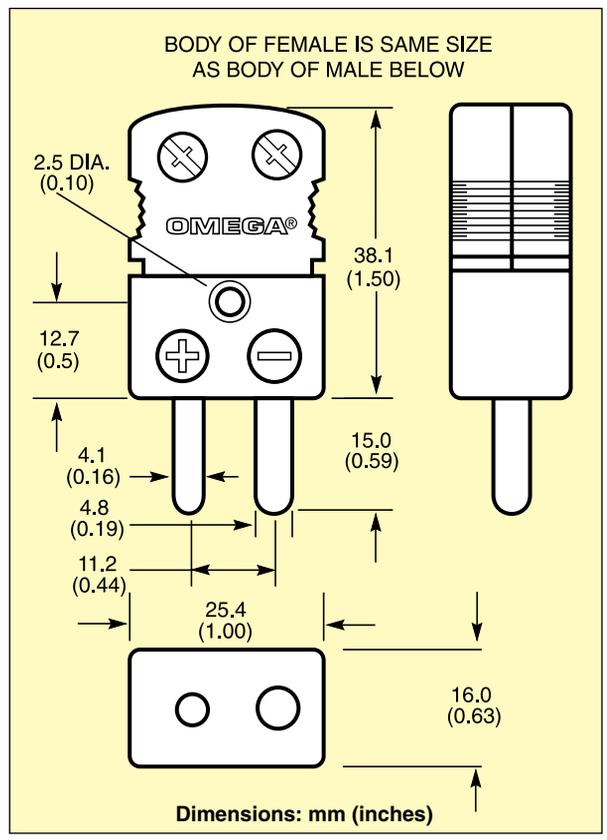
Economical hollow pin design.



Type NHXH Glazed-Color Coded Dot

All models shown actual size.

Shown with cover off.



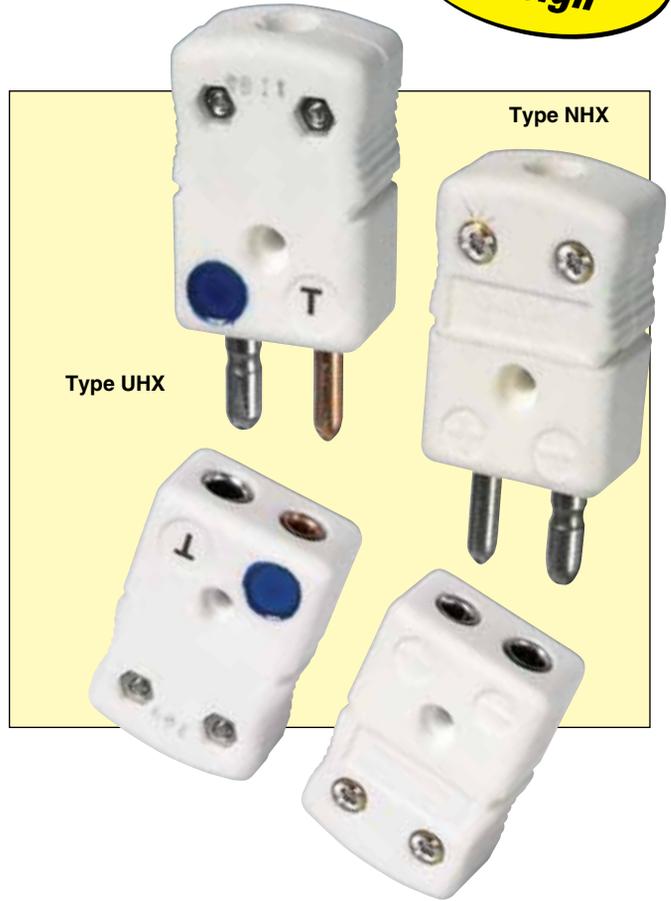
# Ceramic Ultra High-Temperature Standard Size Connectors

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 Basic Pair**



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

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

**To Order Visit [newportUS.com/NHXH\\_U](http://newportUS.com/NHXH_U) for Pricing and Details**

| 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 "MF" for connector pair, "M" for male connector only, or "F" for female connector only.  
 \*\* The NHXH male mates with NHX female. NHXH-MF pair includes one NHXH male and one NHX female connector.  
 \*\*\* 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.  
**Ordering Examples:** NHX-K-MF, CHROMECA®-ALOMEGA®, solid-pin connector pair.  
 UHX-K-MF, CHROMECA®-ALOMEGA®, solid-pin connector pair with removable color dot.

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