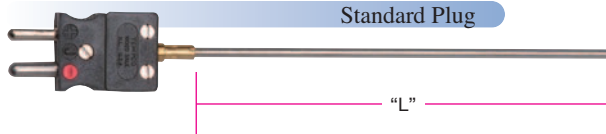
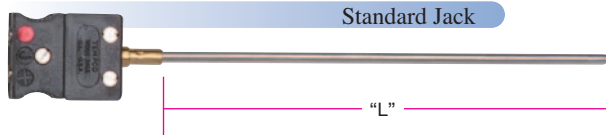


### Style MTA2 Plug or Jack Termination (Custom Manufactured)



Standard Plug



Standard Jack



Miniature Plug and Jack



Optional Installation  
Compression Fitting  
See Box 12

#### Design Features

- \* Pins are made with matching thermocouple alloys.
- \* Standard plugs come with hollow pins as standard and solid pins as an option.
- \* Standard size and miniature plugs and jacks have a 350°F (177°C) continuous and 400°F (204°C) intermittent temperature rating.
- \* High temperature plugs and jacks are rated for 500°F (260°C) continuous operation and 550°F (288°C) intermittent (brown only).
- \* Ultra high temperature plugs and jacks are rated for 800°F (427°C) continuous operation and 1000°F (538°C) intermittent (all are reddish-brown in color).
- \* Dual element available for sheath O.D. of 0.063" to 0.375".
- \* 0.020" to 0.250" use crimp insert—0.313" and 0.375" use tube adapters.
- \* Miniature plugs have solid flat pins.

#### Ordering Information

Thermocouples are offered with the options listed in the worksheet below. Create an ordering code by filling in the boxes with the appropriate number and/or letter designation for your requirements, and a part number will be assigned.

#### Ordering Code:

MTA2 -  1  2  3  4  5  6  7  8  9  10  11  12  13

#### Calibration Code BOX 1

ANSI Standard Tolerances **J K E T N R S B**  
Special Tolerances **3 4 5 6 7**

#### Number of Conductors BOX 2

2 = Single (Standard)  
4 = Duplex

#### Connector Type BOX 9

**Standard Plugs and Jacks**  
P = Standard Plug  
J = Standard Jack  
K = Standard Plug w/Mating Jack  
**Miniature Plugs and Jacks** (.188" max O.D.)  
D = Miniature Plug  
E = Miniature Jack  
F = Miniature Plug w/Mating Jack

#### Insulation BOX 3

M = 96% min. MgO (Standard)  
H = 99.4% min. MgO

#### Sheath Material BOX 4

A = Alloy 600 B = 304 SS C = 316 SS

#### Sheath O.D. BOX 5

A = .020" ±.001 G = .188" ±.002 P = 2.0mm ±.03  
B = .032" ±.001 H = .250" +.003/- .002 Q = 3.0mm ±.03  
C = .040" ±.001 J = .313" +.003/- .002 R = 4.5mm ±.05  
D = .063" ±.001 K = .375" +.003/- .002 S = 6.0mm +.07/- .05  
E = .092" ±.001 L = 1.0mm ±.03 T = 8.0mm +.07/- .05  
F = .125" ±.002 N = 1.5mm ±.03 V = 9.0mm +.07/- .05

#### Connector Temp Rating BOX 10

S = Standard 350°F (177°C)  
H = High Temperature 500°F (260°C)  
U = Ultra-High Temperature 800°F (427°C)  
(Miniature not available)

#### Sheath Length "L" BOX 6

Whole inches  
01 to 99  
For lengths over 99 in. consult TEMPCO.

#### Sheath Length "L" BOX 7

Fractional inches  
0 = 0" 3 = 3/8" 6 = 3/4"  
1 = 1/8" 4 = 1/2" 7 = 7/8"  
2 = 1/4" 5 = 5/8"

#### Pin Option BOX 11

H = Hollow pins—std. S = Solid pins O = For Jack Termination

#### Junction BOX 8

|                | Grounded | Ungrounded | Exposed |
|----------------|----------|------------|---------|
| Single         | G        | U          | E       |
| Dual, common   | 4        | 5          | 6       |
| Dual, isolated | —        | 7          | 8       |

#### Optional Compression Fitting BOX 12

1 = 1/8" NPT SS 4 = 1/8" NPT Brass  
2 = 1/4" NPT SS 5 = 1/4" NPT Brass  
3 = 1/2" NPT SS 6 = 1/2" NPT Brass  
0 = None Required

#### Special Requirements BOX 13

X = Specify  
0 = None

**WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

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