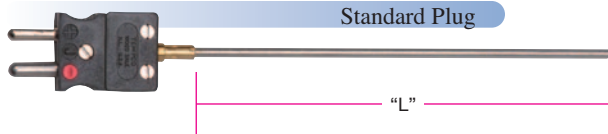
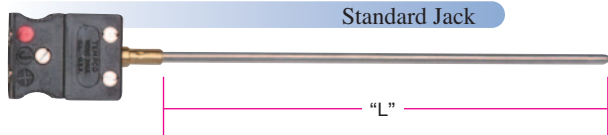


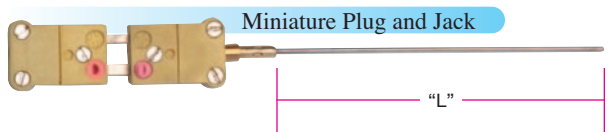
Style MTA2 Plug or Jack Termination (Custom Manufactured)



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.

(800) 323-6859 • Email: sales@tempco.com