

# Temperature Sensing



## Quick Disconnect Plugs and Jacks

### Standard Quick Disconnect Plugs and Jacks

#### Design Features:

- \* Quick and easy wire connections up to 16AWG, without the need for making a loop
- \* Bodies are ANSI color coded, glass-filled, high quality thermoplastic
- \* Polarized pins made of material to match thermocouple calibrations
- \* Plugs available in hollow or solid pins
- \* Plugs and Jacks are interchangeable with other thermocouple connectors with standard 7/16-inch spacing
- \* Can be imprinted with customer's name (min. order & tooling charges apply)
- \* Single screw cover for effortless assembly
- \* Temperature rating of temperature rating of 392°F (200°C)



**Hollow Pin Plug**  
Type J



**Solid Pin Plug**  
Type J



**Jack**  
Type J

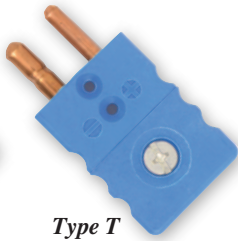
ANSI Calibration	Body Color	Part Number		
		Hollow Pin Plug	Solid Pin Plug	Jack
J	Black	TCA-101-101	TCA-101-111	TCA-102-101
K	Yellow	TCA-101-102	TCA-101-112	TCA-102-102
T	Blue	TCA-101-103	TCA-101-113	TCA-102-103
E	Purple	TCA-101-107	TCA-101-114	TCA-102-107
N	Orange	TCA-101-108	TCA-101-115	TCA-102-108
R/S	Green	TCA-101-109	TCA-101-116	TCA-102-109
U*	White	TCA-101-110	TCA-101-117	TCA-102-110

\* "U" is designated for RTDs and type B thermocouples

### ANSI Calibration and Body Colors for Standard Plugs and Jacks (2-Prong, Hollow Pin Plugs shown)



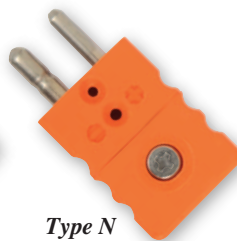
Type K



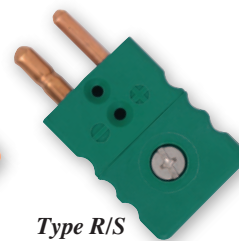
Type T



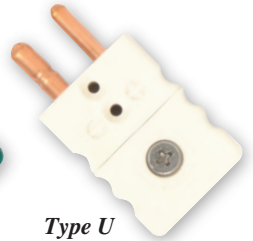
Type E



Type N



Type R/S



Type U

### High Temperature Standard Quick Disconnect Plugs and Jacks

- \* All of the same features as the standard Plugs and Jacks except body color comes in "Brown" only
- \* Temperature rating of 662°F (350°C) maximum
- \* Calibration type painted on the body



**Hollow Pin Plug**



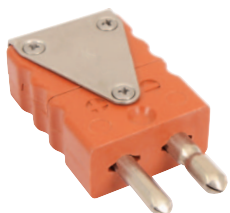
**Jack**

ANSI Calibration	Body Color	Part Number		
		Hollow Pin Plug	Solid Pin Plug	Jack
J	Brown	TCA-101-118	TCA-101-125	TCA-102-111
K	Brown	TCA-101-119	TCA-101-126	TCA-102-112
T	Brown	TCA-101-120	TCA-101-127	TCA-102-113
E	Brown	TCA-101-121	TCA-101-128	TCA-102-114
N	Brown	TCA-101-122	TCA-101-129	TCA-102-115
R/S	Brown	TCA-101-123	TCA-101-130	TCA-102-116
U*	Brown	TCA-101-124	TCA-101-131	TCA-102-117

\* "U" is designated for RTDs and type B thermocouples

### Ultra-High Temperature Quick Disconnect Plugs and Jacks

- \* All of the same features as the standard Plugs and Jacks except body color comes in "Reddish-Brown" only
- \* Temperature rating of 800°F (425°C) continuous and 1000°F (540°C) intermittent
- \* Includes stainless steel bracket for support, stamped with calibration type



**Hollow Pin Plug**



**Jack**

ANSI Calibration	Body Color	Part Number		
		Hollow Pin Plug	Solid Pin Plug	Jack
J	Reddish-Brown	TCA-101-161	TCA-101-160	TCA-102-187
K	Reddish-Brown	TCA-101-163	TCA-101-159	TCA-102-189

Other calibrations available upon request.

**View Product Inventory @ [www.tempco.com](http://www.tempco.com)**

### Standard 3-Pin Quick Disconnect Plugs and Jacks

#### Design Features:

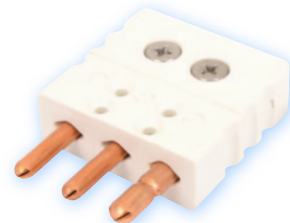
- \* Standard 3-Pin Plugs and Jacks accept all accessories of the standard 2-pin plug and jack
- \* 3-Pin Plugs available in hollow or solid pins
- \* Has all the same features as the standard 2-Pin Plug and Jack including color coding (see Standard Quick Disconnect Plugs and Jacks on page 14-90)

ANSI Calibration	Body Color	Part Number		
		Hollow Pin Plug	Solid Pin Plug	Jack
J	Black	TCA-101-137	TCA-101-143	TCA-102-125
K	Yellow	TCA-101-138	TCA-101-144	TCA-102-126
T	Blue	TCA-101-139	TCA-101-145	TCA-102-127
E	Purple	TCA-101-140	TCA-101-146	TCA-102-128
R/S	Green	TCA-101-141	TCA-101-147	TCA-102-129
U*	White	TCA-101-142	TCA-101-148	TCA-102-130

\* "U" is designated for RTDs and type B thermocouples



Jack—Female  
Type U



Plug—Male  
Type U

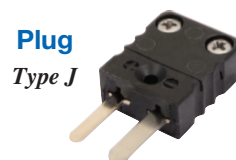
### Miniature Quick Disconnect Plugs and Jacks

#### Design Features:

- \* Designed to be lightweight and to be space-saving.
- \* Bodies are ANSI color coded, glass filled nylon with a temperature rating of 392°F (200°C)
- \* Pins are solid flat with 5/16" spacing, made from matching thermocouple material except R and S, which are compensated.
- \* Plugs and jacks are interchangeable with other miniature connectors.
- \* Will accept wire up to 20AWG

ANSI Calibration	Body Color	Part Number	
		Plug	Jack
J	Black	TCA-101-105	TCA-102-118
K	Yellow	TCA-101-104	TCA-102-119
T	Blue	TCA-101-132	TCA-102-120
E	Purple	TCA-101-133	TCA-102-121
N	Orange	TCA-101-134	TCA-102-122
R/S	Green	TCA-101-135	TCA-102-123
U*	White	TCA-101-136	TCA-102-124

\* "U" is designated for RTDs and type B thermocouples

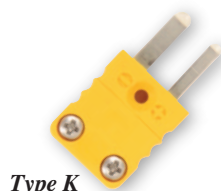


Plug  
Type J

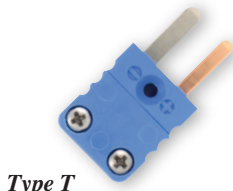


Jack  
Type J

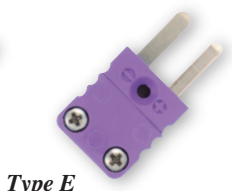
#### ANSI Calibration and Body Colors for Miniature Plugs and Jacks (2-Prong, Hollow Pin Plugs shown)



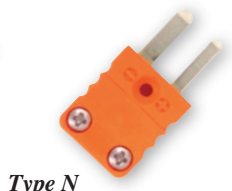
Type K



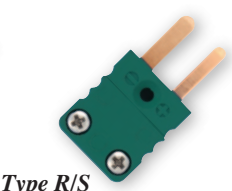
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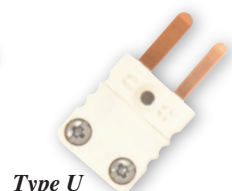
Type E



Type N



Type R/S



Type U

### Miniature 3-Pin Quick Disconnect Plugs and Jacks

#### Design Features:

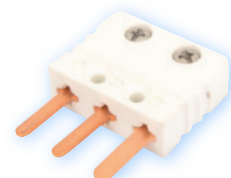
- \* Has all the same standard features as the 2-Pin miniature Plug and Jack.
- \* The miniature 3-pin plugs and jacks will accept all accessories of the 2-Pin Plugs and Jacks.

ANSI Calibration	Body Color	Part Number	
		Plug	Jack
J	Black	TCA-101-149	TCA-102-131
K	Yellow	TCA-101-150	TCA-102-132
T	Blue	TCA-101-151	TCA-102-133
E	Purple	TCA-101-152	TCA-102-134
R/S	Green	TCA-101-153	TCA-102-135
U*	White	TCA-101-154	TCA-102-136

\* "U" is designated for RTDs and type B thermocouples



Jack—Female  
Type U



Plug—Male  
Type U