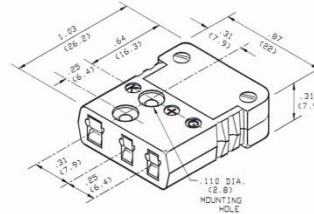
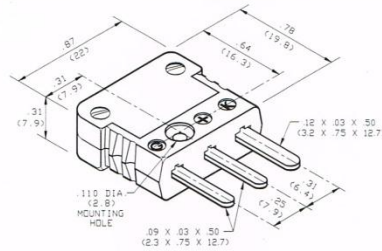


Marlin – Thermocouple Connectors – Mini 3-Pole Plugs and Jacks

THERMOCOUPLE CONNECTORS MINI 3-POLE PLUGS AND JACKS



Specifications (Patent Pending):

- Mini 3-Pole Thermocouple Connector plugs and jacks provide rapid, dependable connections between small diameter sheathed thermocouples and extension wires with shield terminals an integral part of the system. In its all-copper version the 3-pole mini is ideal for 3-wire RTD applications.
- The thermocouple alloys of the prongs and inserts match ANSI standards to maintain thermocouple integrity. The thermocouple alloy-type letter code, polarity and shield terminal are identified by symbols that are molded into the connector body.

T/C Type Code	Connector Positive (+) T/C Alloy	Connector Negative (-) T/C Alloy	Shield Terminal Alloy	Body Color Code
T	Copper	Constantan	Copper	Blue
J	Iron	Constantan	Copper	Black
E	Chromel	Constantan	Copper	Violet
K	Chromel	Alumel	Copper	Yellow
N	Nicrosil	Nisil	Copper	Orange
R	Copper	# 11 Alloy	Copper	Green
S	Copper	# 11 Alloy	Copper	Green
U	Copper	Copper	Copper	White
C	#405 Alloy	#426 Alloy	Copper	Brown
1,2,3	Copper	Copper	Copper	White
ALL HI-TEMP CONNECTORS				Red

- Polarized pins are virtually impossible to mismatch.
- Large double-wipe jack inserts assure tight grip and low signal loss. With an isolated screw design, contact is all thermocouple alloy from wire entrance to wire exit.

- Jab-In® terminals require only 1/4" of insulation to be removed. Wire is sandwiched between contacts of thermocouple alloy without damage.
- For use in corrosive environments, gold or nickel plated prongs and inserts are available. Caution — system errors can result from use of plated contacts if significant thermal gradients exist at the connector.
- Connector bodies are molded from glass-filled thermoset compounds (will not melt) for high strength and dependability. The color coded connector bodies will withstand ambient temperatures to 400°F (205°C) continuous duty and 500°F (260°C) intermittent use.
- High temperature connector bodies (All high temperature connector bodies are color coded RED) are made of a highly stable and inert silicone-based thermoset compound that will withstand ambient temperatures to 800°F (425°C) continuous duty and 1000°F (540°C) intermittent use. These units have proven durable in the presence of radiation, and their low-outgassing properties also make them highly satisfactory for use under vacuum.
- Surface mounting and stacking, if required, can be made by use of molded-in clearance holes.
- Shield terminals provide isolated connections of the shield circuit via the built-in sheath-to-shield link.

