

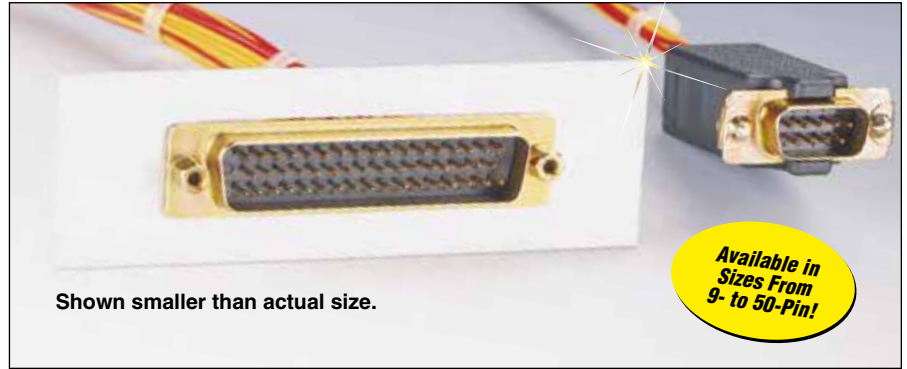
# Sub-D Type Connectors

## Low Cost Crimp-Style

### SM Series Pack of 5

#### Applications Include

- ✓ Test Labs
- ✓ Automotive Testing
- ✓ Quality Control Stations
- ✓ Profile Probes
- ✓ High Density Applications
- ✓ -55 to 105°C (-67 to 221°F)

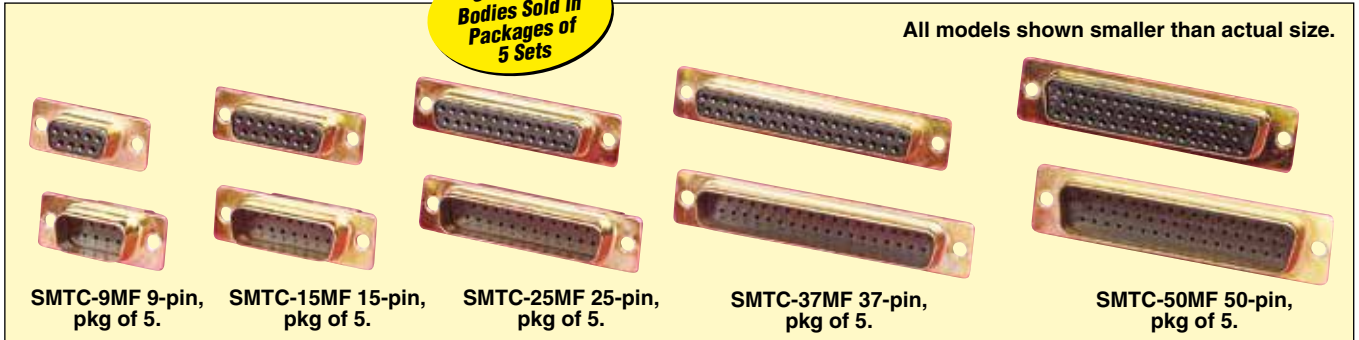


Shown smaller than actual size.

For connector dimensions, visit us online.

**Connector Bodies Sold in Packages of 5 Sets**

All models shown smaller than actual size.



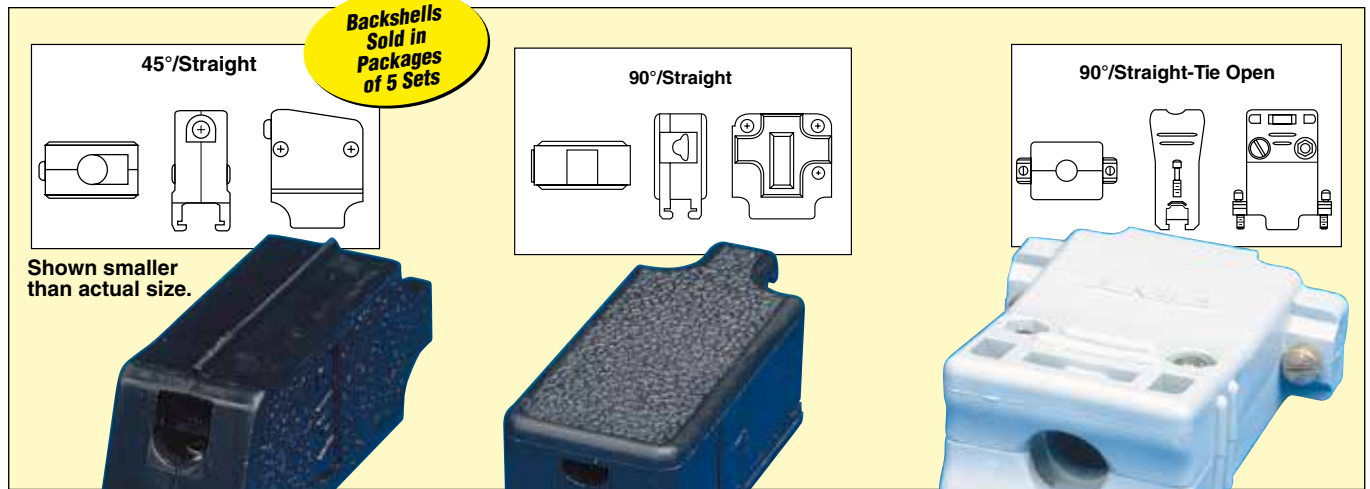
SMTC-9MF 9-pin, pkg of 5.

SMTC-15MF 15-pin, pkg of 5.

SMTC-25MF 25-pin, pkg of 5.

SMTC-37MF 37-pin, pkg of 5.

SMTC-50MF 50-pin, pkg of 5.



45°/Straight

90°/Straight

90°/Straight-Tie Open

Shown smaller than actual size.

45°/Straight		
Model No.	Description	No. of Contacts
SM4-9	45°/straight sub-D backshell	9
SM4-15		15
SM4-25		25
SM4-37		37
SM4-50		50

Ordering Example: SM4-15, 45°/straight sub-D backshell.

90°/Straight		
Model No.	Description	No. of Contacts
SM9-9	90°/straight sub-D backshell	9
SM9-15		15
SM9-25		25
SM9-37		37
SM9-50		50

Ordering Example: SM9-9, 90°/straight sub-D backshell.

90°/Straight-Tie Open		
Model No.	Description	No. of Contacts
SMT-15	90°/straight tie open sub-D backshell	15
SMT-25S*		25
SMT-25Lt		25
SMT-37		37
SMT-50		50

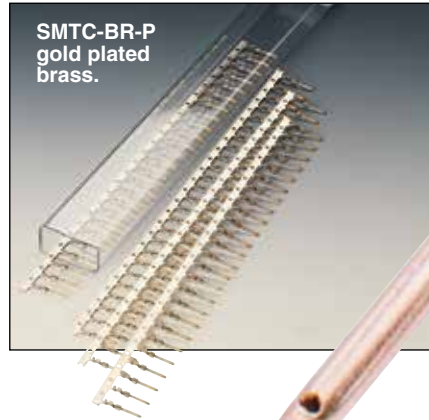
\* Max cable Dia. 8.51 mm (0.335")  
† Max cable Dia. 11.68 mm (0.460")

# Thermocouple Multipins

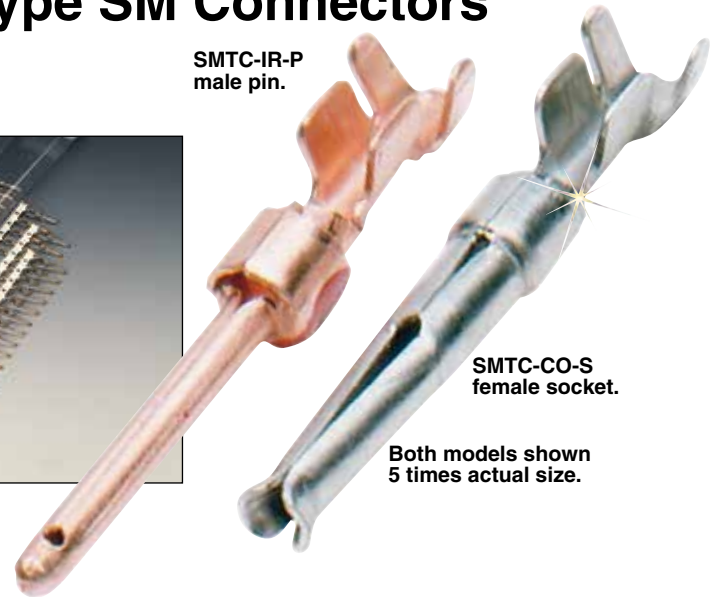
## Low Cost Crimp-Style For Type SM Connectors

**SMTC Series**  
**Pkg. of**  
**100 Pins or Sockets**

OMEGA's exclusive low cost, crimp-style thermocouple alloy pins and sockets set a industry standard for low cost and high performance. These contacts are available in a number of thermocouple alloys including CHROME<sup>GA</sup>™, ALOMEGA™, gold-plated in the contact area, and nickel plated in the crimp area Iron, Constantan and Copper. In addition, uncompensated pins and sockets are available from stock. All thermocouple contacts are color-coded for easy identification, and are sold in convenient packages of 100 (four strips of 25). All pins and sockets can be easily wired using OMEGA™ thermocouple wire in stranded construction, 20 or 24 gage. Stranded wire is recommended so that electrical connections will have higher reliability. These precision Sub-D connectors are sold in sets of five, each package consisting of 5 male connector bodies and 5 female connector bodies. Sets are available in 9, 15, 25, 37 and 50-pin configurations.



SMTC-IR-P  
male pin.



Material	Thermocouple Type (ANSI Symbol)
Iron/Constantan	J
CHROME <sup>GA</sup> /ALOMEGA	K
Copper/Constantan	T
CHROME <sup>GA</sup> /Constantan	E
OMEGA-P/OMEGA-N	N

Contact Color Code	Contact Alloy	ANSI Wire Color Code
White	CHROME <sup>L</sup> (+)	Yellow or Purple
Black	Iron*(+)	White
Red	Copper(+)	Blue
Green	ALUMEL(-)	Red
Yellow	Constantan(-)	Red
None	Uncompensated	No Standard
Blue	OMEGA-P™ (+)	Orange
Orange	OMEGA-N™ (-)	Orange

\* Gold-plated

### Thermocouple Alloy Pins and Sockets

To Order		
Alloy Type	Male Pins Model No.	Female Sockets Model No.
CHROME <sup>GA</sup> (+)	SMTC-CH-P	SMTC-CH-S
ALOMEGA (-)	SMTC-AL-P	SMTC-AL-S
Constantan (-)	SMTC-CO-P	SMTC-CO-S
Copper (+)	SMTC-CU-P	SMTC-CU-S
Iron* (+)	SMTC-IR-P	SMTC-IR-S
OMEGA-P™ (+)	SMTC-OP-P	SMTC-OP-S
OMEGA-N™ (-)	SMTC-ON-P	SMTC-ON-S

\* Gold-plated

**Ordering Examples:** SMTC-CH-P, one package of 100 CHROME<sup>GA</sup> male thermocouple pins and SMTC-CH-S, one package of 100 CHROME<sup>GA</sup> female thermocouple sockets.

SMTC-50MF, 50 pin connector bodies.

### Connecting Hardware (Not Shown)

Model No.	Description
SMFR	Female screwlock set, 5 sets/pkg.
SMMR	Male screw retainer set, 5 sets/pkg.

**To Order:** Specify contacts (pins and sockets), connector bodies, backshells, connecting hardware and accessories.

### Sub-D Connector Bodies (Male and Female)

Model No.	Description
SMTC-9MF	9-pin connector bodies (pkg. of 5 sets)
SMTC-15MF	15-pin connector bodies (pkg. of 5 sets)
SMTC-25MF	25-pin connector bodies (pkg. of 5 sets)
SMTC-37MF	37-pin connector bodies (pkg. of 5 sets)
SMTC-50MF	50-pin connector bodies (pkg. of 5 sets)

### Uncompensated Pins and Sockets

Male Pins Model No.	Female Sockets Model No.
SMTC-BR-P Gold-plated contact, nickel plated crimp, brass	SMTC-PBRZ-S Gold-plated contact, nickel plated crimp, phosphorus bronze

### Accessory Tools

Model No.	Description
SM-CTHD	Heavy-duty crimping tool
SM-CTE	Economical crimping tool
SM-EX	Insertion/extraction tool

