

Sub-D Type Connectors

Low Cost Crimp-Style

SM Series Pack of 5

Applications Include

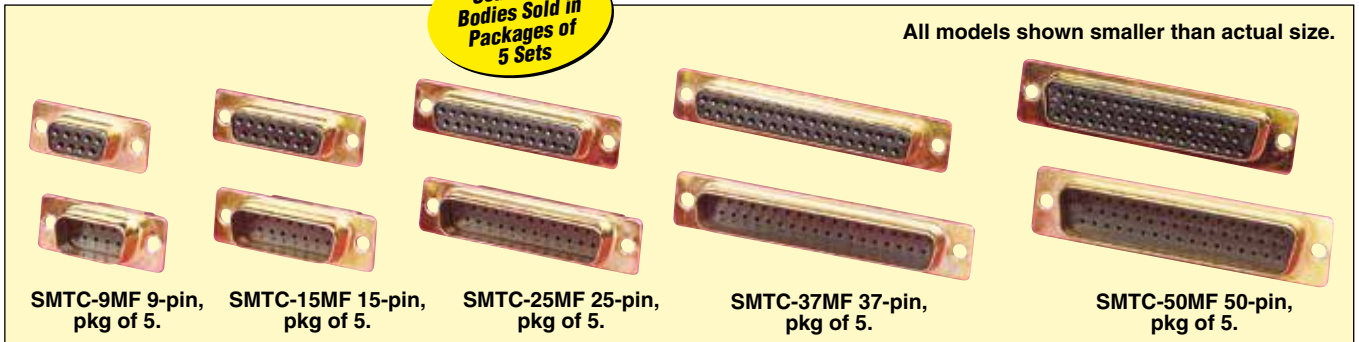
- ✓ Test Labs
- ✓ Automotive Testing
- ✓ Quality Control Stations
- ✓ Profile Probes
- ✓ High Density Applications
- ✓ -55 to 105°C (-67 to 221°F)



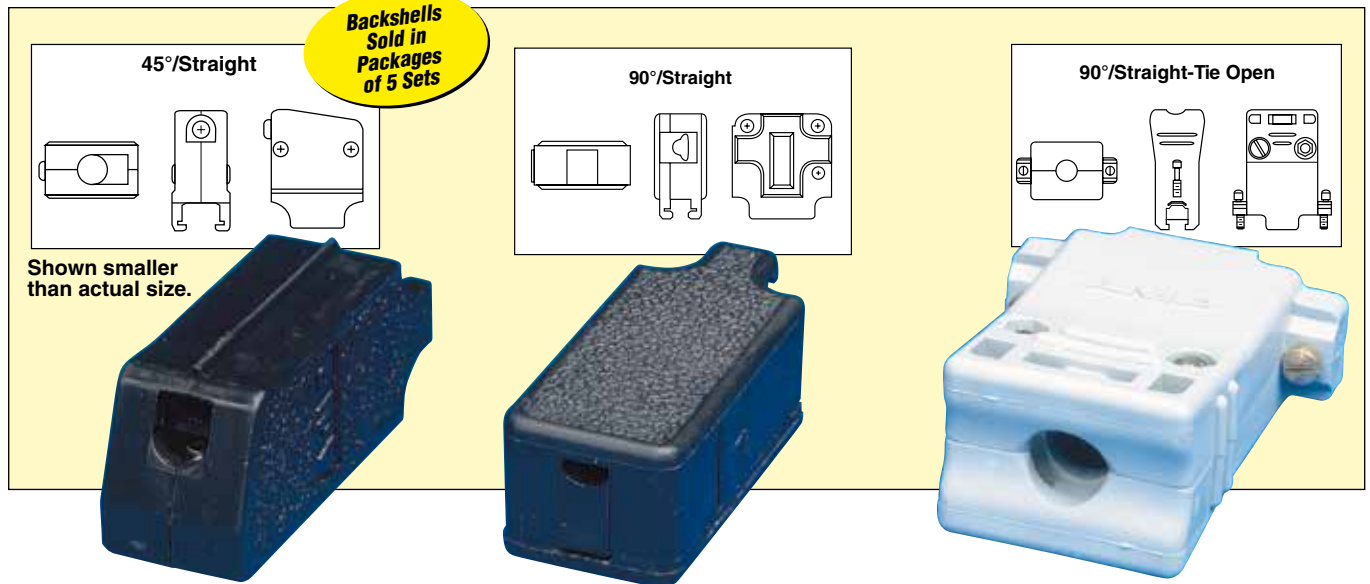
For connector dimensions, visit us online.

Connector Bodies Sold in Packages of 5 Sets

All models shown smaller than actual size.



Backshells Sold in Packages of 5 Sets



| 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 |

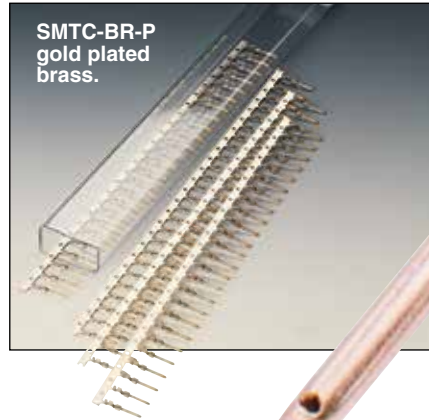
* Max cable Dia. 8.51 mm (0.335")
† Max cable Dia. 11.68 mm (0.460")

Thermocouple Multipins

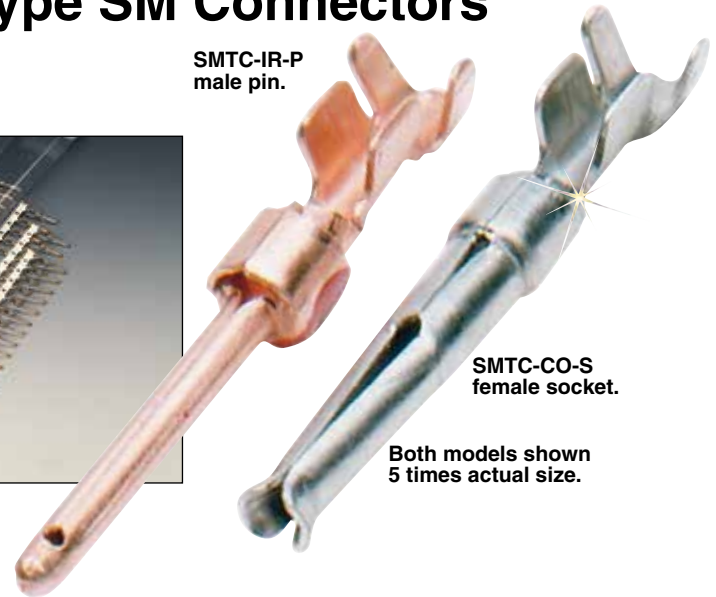
Low Cost Crimp-Style For Type SM Connectors

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^{GA}™, ALOME^{GA}™, 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 ^{GA} /ALOME ^{GA} | K |
| Copper/Constantan | T |
| CHROME ^{GA} /Constantan | E |
| OMEGA-P/OMEGA-N | N |

| Contact Color Code | Contact Alloy | ANSI Wire Color Code |
|--------------------|-------------------------|----------------------|
| White | CHROME ^L (+) | 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 ^{GA} (+) | SMTC-CH-P | SMTC-CH-S |
| ALOME ^{GA} (-) | 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^{GA} male thermocouple pins and SMTC-CH-S, one package of 100 CHROME^{GA} 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 |

