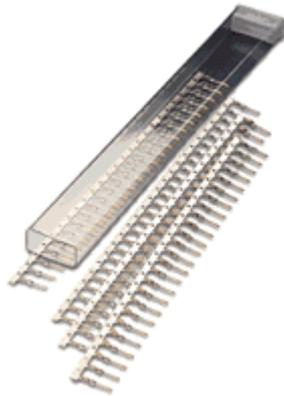
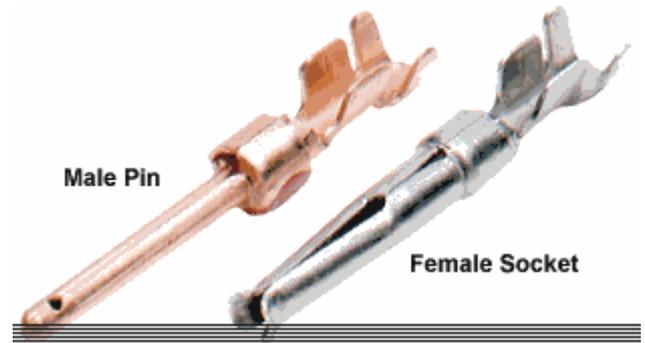


## Low Cost Crimp-Style Thermocouple Multipins Type SMTC Series

NEWPORT's exclusive low cost, crimp-style thermocouple alloy pins and sockets set a new industry standard for low cost and high performance. These contacts are available in a number of thermocouple alloys including CHROME<sup>®</sup>, ALOMEGA<sup>®</sup>, gold-plated 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).



Shown 5 Times Actual Size



All pins and sockets can be easily wired using NEWPORT<sup>®</sup> thermocouple wire in either solid or 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.

Material	Thermocouple Type (ANSI Symbol)	Material	Thermocouple Type (ANSI Symbol)
Iron/Constantan	J	Copper/Constantan	T
CHROME <sup>®</sup> /ALOMEGA <sup>®</sup>	K	CHROME <sup>®</sup> /Constantan	E

### Thermocouple Alloy Pins & Sockets

Alloy Type	Model No. Male Pins	Model No. Female Sockets
CHROME <sup>®</sup> (+)	SMTC-CH-P	SMTC-CH-S
ALOMEGA <sup>®</sup> (-)	SMTC-AL-P	SMTC-AL-S
Constantan (-)5	SMTC-CO-P	SMTC-CO-S
Copper (+)	SMTC-CU-P	SMTC-CU-S
Iron* (+)	SMTC-IR-P	SMTC-IR-S

\* Gold-plated

### Connecting Hardware (Not Shown)

Model No.	Description
SMFR	Female screwlock set, 5 sets/pkg.
SMMR	Male screw retainer set, 20 sets/pkg.

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

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

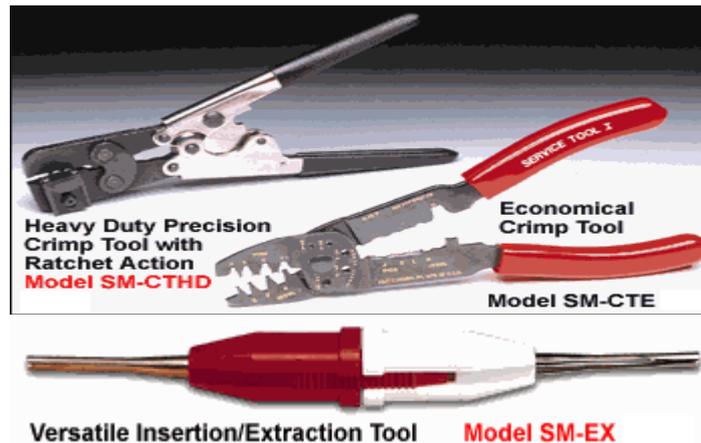
Model No.	Model No. Male Pins
SMTC-9MF	9-pin connector bodies (pkg. of 5 sets)
SMTC-15MF	15-pin connector bodies (pkg. of 5 sets)
SMTC-25MF	25-pin connector bodies (pkg. of 5 sets)
SMTC-37MF	37-pin connector bodies (pkg. of 5 sets)
SMTC-50MF	50-pin connector bodies (pkg. of 5 sets)

### Uncompensated Pins & Sockets

Model No. Male Pins	Model No. Female Sockets
SMTC-BR-P Gold-Plated Brass	SMTC-PBRZ-S Gold-Plated Phosphorus Bronze

### Accessory Tools

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



**To Order** (Specify Model Number, see variations below in partnumber builder table)

Part Number	Description
SM4-9	Low cost crimp-style, 45° straight Sub-D backshell with 9 contacts
SM4-15	Low cost crimp-style, 45° straight Sub-D backshell with 15 contacts
SM4-25	Low cost crimp-style, 45° straight Sub-D backshell with 25 contacts
SM4-37	Low cost crimp-style, 45° straight Sub-D backshell with 37 contacts
SM4-50	Low cost crimp-style, 45° straight Sub-D backshell with 50 contacts
SM9-9	Low cost crimp-style, 90° straight Sub-D backshell with 9 contacts
SM9-15	Low cost crimp-style, 90° straight Sub-D backshell with 15 contacts
SM9-25	Low cost crimp-style, 90° straight Sub-D backshell with 25 contacts
SM9-37	Low cost crimp-style, 90° straight Sub-D backshell with 37 contacts
SM9-50	Low cost crimp-style, 90° straight Sub-D backshell with 50 contacts
SMT-15	Low cost crimp-style, 90° straight tie open Sub-D backshell with 15 contacts
SMT-25S	Low cost crimp-style, 90° straight tie open Sub-D backshell with 25 contacts with max. cable dia. 11.68 mm (0.460")
SMT-25L	Low cost crimp-style, 90° straight tie open Sub-D backshell

SMT-37	with 25 contacts with max. cable dia. 11.68 mm (0.460") Low cost crimp-style, 90° straight tie open Sub-D backshell with 37 contacts
SMT-50	Low cost crimp-style, 90° straight tie open Sub-D backshell with 50 contacts
SMTC-CH-P	One package of 100 CHROME <sup>®</sup> male thermocouple pins
SMTC-AL-P	One package of 100 ALOMEGA <sup>®</sup> male thermocouple pins
SMTC-CO-P	One package of 100 Constantan <sup>®</sup> male thermocouple pins
SMTC-CU-P	One package of 100 Copper male thermocouple pins
SMTC-IR-P	One package of 100 Iron male thermocouple pins
SMTC-CH-S	One package of 100 CHROME <sup>®</sup> female thermocouple pins
SMTC-AL-S	One package of 100 ALOMEGA <sup>®</sup> female thermocouple pins
SMTC-CO-S	One package of 100 Constantan <sup>®</sup> female thermocouple pins
SMTC-CU-S	One package of 100 Copper female thermocouple pins
SMTC-IR-S	One package of 100 Iron female thermocouple pins
SMFR	Female screwlock set, 5 sets/pkg.
SMMR	Male screw retainer set, 20 sets/pkg.
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)
SMTC-BR-P	One package of 100 gold-plated brass male uncompensated pins and sockets
SMTC-PBRZ-S	One package of 100 gold-plated phosphorus bronze female uncompensated pins and sockets
SM-CTHD	Heavy duty crimping tool
SM-CTE	Economical crimping tool
SM-EX	Insertion/extraction tool

### Part Number Builder

Number of Contact

(1)

(2)

-

Get Price

#### Option Descriptions

##### (1) Connector Type

Select

**SM4** for 45°/straight Sub-D backshell

**SM9** for 90°/straight Sub-D backshell

**SMT** for 90°/straight tie open Sub-D backshell

##### (2) Number of Contact

Select

**9** for 9 contacts in the SM4 or SM9 connectors

**15** for 15 contacts

**15S** for 15 contacts in the tie open connector using 8.51 mm (.335 in) max cable dia

**15L** for 15 contacts in the tie open connector using 11.68 mm (.460 in) max cable dia

**25** for 25 contacts

**37** for 37 contacts

**50** for 50 contacts

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