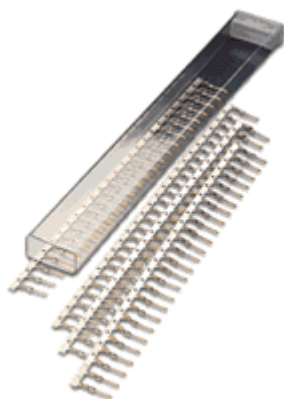
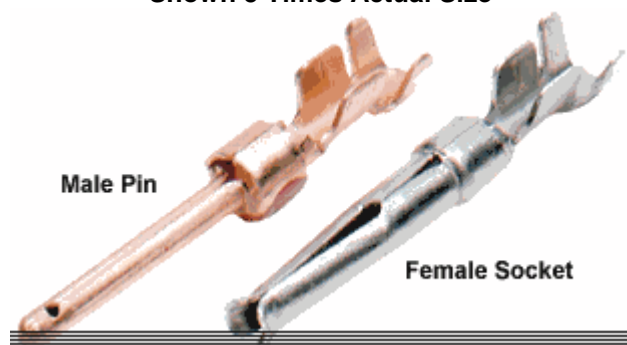


Low Cost Crimp-Style Thermocouple Multipins Type SMTC Series

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[®], ALOMEGA[®], 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[®] 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 [®] /ALOMEGA [®]	K	CHROME [®] /Constantan	E

Thermocouple Alloy Pins & Sockets

Alloy Type	Model No. Male Pins	Model No. Female Sockets
CHROME [®] (+)	SMTC-CH-P	SMTC-CH-S
ALOMEGA [®] (-)	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)

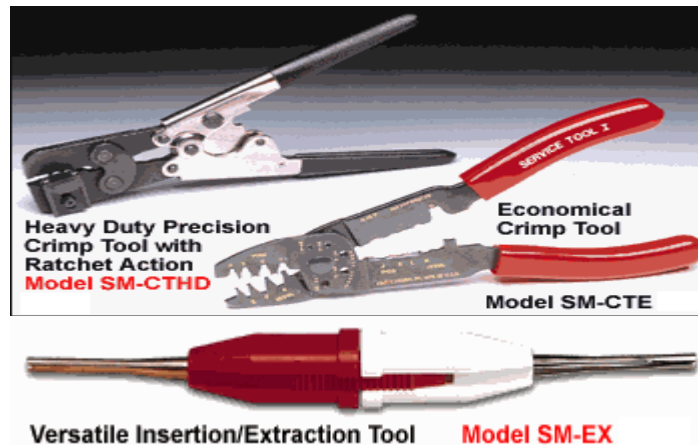
Model No.	Model No. Male Pins
SMTC-9MF	9-pin connector bodies (pkg. of 5 sets)
SMTC-15MF	15-pin connector bodies (pkg. of 5 sets)
SMTC-25MF	25-pin connector bodies (pkg. of 5 sets)
SMTC-37MF	37-pin connector bodies (pkg. of 5 sets)
SMTC-50MF	50-pin connector bodies (pkg. of 5 sets)

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 [®] male thermocouple pins
SMTC-AL-P	One package of 100 ALOMEGA [®] male thermocouple pins
SMTC-CO-P	One package of 100 Constantan [®] 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 [®] female thermocouple pins
SMTC-AL-S	One package of 100 ALOMEGA [®] female thermocouple pins
SMTC-CO-S	One package of 100 Constantan [®] 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