



## ORDERING INFORMATION - CODE NUMBERING SYSTEM

Specify Complete Connector By Selecting An Option From Step 1 Through 8

STEP	1	2	3	4	5	6	7	8	9
EXAMPLE	SND	37	S	5	B3	0	T2	G	—

### STEP 1 - BASIC SERIES

SND series

### STEP 2 - CONNECTOR VARIANTS

9, 15, 25, 37, 50

### STEP 3 - CONNECTOR GENDER

- M - Male
- S - Female - PosiBand closed entry contacts, see page 1 for more information.

### STEP 4 - CONTACT TERMINATION TYPE

- 0 - Contacts ordered separately, see contact chart on page 11 for details.
- 1 - Crimp, 20 AWG - 24 AWG [0.5 mm<sup>2</sup> - 0.25 mm<sup>2</sup>].
- 12 - Crimp, 26 AWG - 30 AWG [0.12 mm<sup>2</sup> - 0.05 mm<sup>2</sup>].
- 2 - Fixed, solder cup.
- 3 - Solder, straight printed board mount with 0.170 [4.32] tail length.
- 32 - Solder, straight printed board mount with 0.375 [9.52] tail length.
- 36 - Solder, straight printed board mount with 0.236 [5.99] tail length.
- 42 - Solder, metric system right angle (90°) printed board mount with 0.370 [9.40] contact extension.
- 5 - Solder, right angle (90°) printed board mount with 0.283 [7.19] contact extension.

### \*1 STEP 5 - MOUNTING STYLE

- 0 - Mounting hole, 0.120[3.05] Ø.
- 02 - Mounting hole, 0.154[3.91] Ø.
- C5 - Swaged spacer, cul-de-sac style, 4-40 threads, 0.350 [8.89] length. For use with cable connectors only.
- C7 - Bracket, mounting, right angle (90°) metal, swaged to connector with cul-de-sac spacer and 4-40 threads with cross bar.
- F - Float mounts, universal.
- P - Threaded post, brass, length varies according to contact termination code. See page 89.
- R2 - Bracket, mounting, right angle (90°) metal, swaged to connector with 4-40 thread fixed female jackscrews with cross bar.
- R6 - Bracket, mounting, right angle (90°) metal, swaged to connector with 0.120 [3.05] Ø mounting hole with cross bar.
- R7 - Bracket, mounting, right angle (90°) metal, swaged to connector with 4-40 threads with cross bar.
- R8 - Bracket, mounting, right angle (90°) metal, swaged to connector with 4-40 locknut with cross bar.
- S - Swaged spacer, 4-40 threads, length varies according to contact termination code. See page 88.
- S2 - Swaged spacer, 4-40 threads, 0.125[3.18] length.
- S5 - Swaged locknut, 4-40 threads.
- S6 - Swaged spacer with push-on fastener, 4-40 threads, length varies according to contact termination code. See page 88.

### STEP 9 - SPECIAL OPTIONS

SEE APPENDIX ON PAGE 95.

### STEP 8 - CONNECTOR HOUSING (SHELLS) OPTIONS

- G - Gold over copper plate.
- D - Gold over copper plate and dimpled (male connectors only).

### \*1 STEP 7 - LOCKING AND POLARIZING SYSTEMS

- 0 - None.
- T - Fixed female jackscrews.
- T2 - Fixed female jackscrews.
- T6 - Fixed male and female polarized jackscrews.
- E - Rotating male jackscrews.
- E2 - Rotating male screw locks.
- E3 - Rotating male with internal hex for 3/32 hex drives.
- E6 - Rotating male and female polarized jackscrews.

### \*1 STEP 6 - CABLE ADAPTER (HOOD) AND PUSH-ON FASTENER

- 0 - None.
- H - Cable adapter, top opening, brass.
- AN - Cable adapter, lightweight aluminum, electroless nickel plate, see page 91 for details.
- N - Push-on fastener for right angle (90°) mounting brackets.

### NOTE:

\*1 For additional information on accessories listed in Step 5, 6, and 7, see the Accessories section, pages 86-94.

*Do you need 2-D drawings  
or 3-D models?  
See page 18 for more information!*

For information regarding CRIMP TOOLS & CRIMPING TOOL TECHNIQUES, see page 96.



Positronic Industries  
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# SND SERIES

## MILITARY / SPACE FLIGHT QUALITY

### STANDARD DENSITY FIXED OR REMOVABLE CONTACTS

High  
Performance  
D-sub

## REMOVABLE CONTACT ORDERING ASSISTANCE CHART



### SND SERIES CRIMP AND SOLDER CONTACT TERMINATIONS

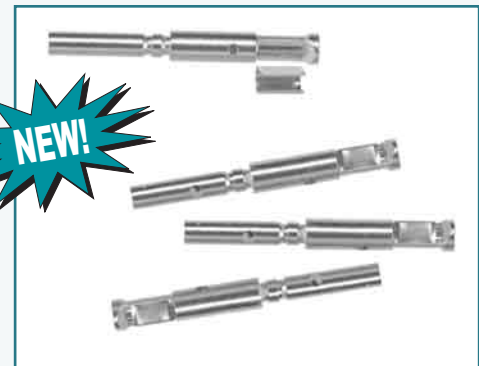
TYPE	PAGE NUMBER REFERENCE IN CATALOG	CONTACT SIZE	FEMALE PART NUMBER	MALE PART NUMBER	WIRE SIZE AWG [mm <sup>2</sup> ]
CRIMP	see page 79 for additional information	20	FC6020M2	MC6020M	20 / 22 / 24 [0.5 / 0.3 / 0.25]
			FC6026M2	MC6026M	26 / 28 / 30 [0.12 / 0.08 / 0.05]
	see page 80 for additional information		FC6018M2	MC6018M	18 [1.0] max.
SOLDER	see page 80 for additional information	20	FS6020M2	MS6020M	20 [0.5] max.

**NOTE:** For ordering crimp contacts on reels, add "R" to part number, see page 77 for details.  
Examples: FC6020M2R or MC6020MR

## The PosiBand® contact system has many advantages over the legacy split tine design.



- X** **PosiBand** is more robust than split tine, which can be pried open in harsh environments, resulting in reduced normal force and degradation of electrical performance.
- X** **PosiBand** has greater surface area at the male and female contact interface, resulting in more consistent electrical performance.
- X** **PosiBand** has lower average insertion forces, resulting in greater ease in mating, especially in larger high density connectors. The average lower insertion force is accomplished while meeting or exceeding performance requirements.
- X** The **PosiBand's** main contact body does not require annealing of the crimp barrels, as does the split tine design. This eliminates concern of unintentionally heat-treating the mating end of the contact, which can cause electrical failure.
- X** **PosiBand** is qualified under **SAE AS39029** specification. **PosiBand** is also qualified under **GSFC S-311-P4** to the higher 40 gram contact engagement test requirement.



FC8022M2. Deconstructed contact shown for reference only.

**For more information on PosiBand closed entry contacts, see page 1 & 2.**

For information regarding **REMOVABLE CONTACTS**, see contact illustration drawings and charts on pages 77-85.

For information regarding **CRIMP TOOLS & CRIMPING TOOL TECHNIQUES**, see page 96.

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**POSITRONIC INDUSTRIES, INC.**

423 N Campbell Avenue • PO Box 8247 • Springfield, MO 65801  
Tel (417) 866-2322 • Fax (417) 866-4115 • Toll Free (800) 641-4054  
info@connectpositronic.com

**POSITRONIC INDUSTRIES, S.A.S.**

Zone Industrielle d'Engachies • 46 Route d'Engachies  
France 32020 Auch Cedex 9  
Telephone 33 5 62 63 44 91 • Fax 33 5 62 63 51 17  
contact@connectpositronic.com

**POSITRONIC ASIA PTE LTD.**

3014A Ubi Road 1 #07-01 • Singapore 408703  
Telephone (65) 6842 1419 • Fax (65) 6842 1421  
singapore@connectpositronic.com



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