



ORDERING INFORMATION - CODE NUMBERING SYSTEM

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

FOR CONNECTORS
NOT INCLUDING SIZE 8 CONTACTS

STEP	1	2	3	4	5	6	7	8	9
EXAMPLE	SCBDD	8W2	S	3	S6	0	T2	G	—

STEP 1 - BASIC SERIES

SCBDD Series

STEP 2 - CONNECTOR VARIANTS

Shell Size 1 - 8W2

See page 56 for ordering information for other shell size options.

STEP 3 - CONNECTOR GENDER

M - Male

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

STEP 4 - CONTACT TERMINATION TYPE

*1 21 - Fixed, solder cup.

*1 3 - Solder, straight printed board mount, 0.170 [4.32] tail length.

*1 4 - Solder, right angle (90°) printed board mount, 0.314 [7.98] signal contact extension.

***2 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, 0.250 [6.35] length

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, 0.250 [6.35] length

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, 0.250 [6.35] length

STEP 9 - SPECIAL OPTIONS

SEE APPENDIX ON PAGE 95.

STEP 8 - CONNECTOR HOUSING (SHELLS) OPTION

G - Gold over copper plate.

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

***2 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.

***2 STEP 6 - CABLE ADAPTER (HOOD) AND PUSH-ON FASTENER**

0 - None

AN - Cable adapter, lightweight aluminum, electroless nickel plate, see page 91 for details.

H - Cable adapter, top opening, brass

N - Push-on fastener, for right angle (90°) mounting brackets

NOTES

*1 Size 16 power contacts are included when used on 8W2 variant in Step 2.

*2 For additional information of options listed in steps 5, 6, and 7, see Accessories Section on pages 86-94.

Do you need 2-D drawings or 3-D models?

See page 18 for more information!



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SCBDD SERIES

MILITARY / SPACE FLIGHT QUALITY
HIGH DENSITY PCB MOUNT

High
Performance
D-sub

REMOVABLE CONTACT ORDERING ASSISTANCE CHART



SCBDD SERIES CRIMP AND SOLDER CUP TERMINATION CONTACTS

TYPE	PAGE NUMBER REFERENCE IN CATALOG	CONTACT SIZE	FEMALE PART NUMBER	MALE PART NUMBER	WIRE SIZE AWG [mm ²]
CRIMP	see page 81 for additional information	8	FC4008M	MC4008M	8 [10.0]
			FC4010M	MC4010M	10 [5.3]
			FC4012M	MC4012M	12 [4.0]
			FC4016M	MC4016M	16 [1.5]
SOLDER CUP	see page 82 for additional information	8	FS4008M	MS4008M	8 [10.0]
			FS4012M	MS4012M	12 [4.0]
			FS4016M	MS4016M	16 [1.5]
HIGH VOLTAGE <i>Straight Solder Wire</i>	see page 83 for additional information	8	FS4820M	MS4820M	20 [0.5]
HIGH VOLTAGE <i>Right Angle (90°) Solder Wire</i>		8	FS4920M	MS4920M	20 [0.5]
SHIELDED	see page 84 for additional information	SOLDER / CRIMP	FC4101M	MC4101M	RG 178 B/U, 196 B/U
			FC4102M	MC4102M	RG 179 BU/, 316 B/U
			FC4103M	MC4103M	RG 180 B/U
			FC4104M	MC4104M	RG 58 B/U
		SOLDER / SOLDER	FS4101M	MS4101M	RG 178 B/U, 196 B/U
			FS4102M	MS4102M	RG 179 B/U, 316 B/U
			FS4103M	MS4103M	RG 180 B/U
			FS4104M	MS4104M	RG 58 B/U
		CRIMP / CRIMP	FCC4101M	MCC4101M	RG 178 B/U, 196 B/U
			FCC4102M	MCC4102M	RG 179 BU/, 316 B/U
			FCC4103M	MCC4103M	RG 180 B/U
			FCC4104M	MCC4104M	RG 58 B/U

NOTE: For ordering crimp contacts on reels, add "R" to part number, *see page 77 for details*. Examples: FC4008MR or MC4008MR

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.



ORDERING INFORMATION - CODE NUMBERING SYSTEM

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

FOR CONNECTORS INCLUDING SIZE 8 CONTACTS

STEP	1	2	3	4	5	6	7	8	9
EXAMPLE	SCBDD	19W1	M	47	R7	0	T2	G	—
STEP 1 - BASIC SERIES SCBDD Series									STEP 9 - SPECIAL OPTIONS <i>SEE APPENDIX ON PAGE 95.</i>
STEP 2 - CONNECTOR VARIANTS Shell Size 2 - 19W1 Shell Size 3 - 15W4 *1 Shell Size 4 - 45W2 <i>See page 54 for ordering information for shell size 1 - 8W2 options.</i>									STEP 8 - CONNECTOR HOUSING (SHELLS) OPTION G - Gold over copper plate. D - Gold over copper plate and dimpled (male connectors only).
STEP 3 - CONNECTOR GENDER M - Male S - Female - PosiBand closed entry contacts, see page 1 for more information.									*2 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.
STEP 4 - CONTACT TERMINATION TYPE 21 - Fixed, solder cup, signal contact only. 3 - Solder, straight printed board mount with signal contacts only 0.170 [4.32] tail length. 35 - Solder, straight printed board mount with signal and 0.078 [1.98] Ø power contacts, 0.170 [4.32] tail length. 36 - Solder, straight printed board mount with signal and 0.094 [2.39] Ø power contacts, 0.170 [4.32] tail length. 37 - Solder, straight printed board mount with signal and 0.125 [3.18] Ø power contacts, 0.170 [4.32] tail length. 4 - Solder, right angle (90°) printed board mount with signal contacts only, 0.314 [7.98] signal contact extension. 45 - Solder, right angle (90°) printed board mount with signal and 0.078 [1.98] Ø power contacts, 0.314 [7.98] signal contact extension. 47 - Solder, right angle (90°) printed board mount with signal and 0.125 [3.18] Ø power contacts, 0.314 [7.98] signal contact extension. 65 - Solder, straight printed board mount with signal and shielded contacts MDS/FDS4201D footprint, 0.170 [4.32] signal contact tail length. 84 - Solder, right angle (90°) printed board mount with signal and shielded contacts MRT/FDS4201D footprint, 0.314 [7.98] signal contact extension.									*2 STEP 6 - CABLE ADAPTER (HOOD) AND PUSH-ON FASTENER 0 - None AN - Cable adapter, lightweight aluminum, electroless nickel plate, see page 91 for details. H - Cable adapter, top opening, brass N - Push-on fastener, for right angle (90°) mounting brackets
NOTES *1 45W2 variant currently available in male only. *2 For additional information of options listed in steps 5, 6, and 7, see Accessories Section on pages 86-94.									*2 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, 0.250 [6.35] length 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, 0.250 [6.35] length 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, 0.250 [6.35] length

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

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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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