



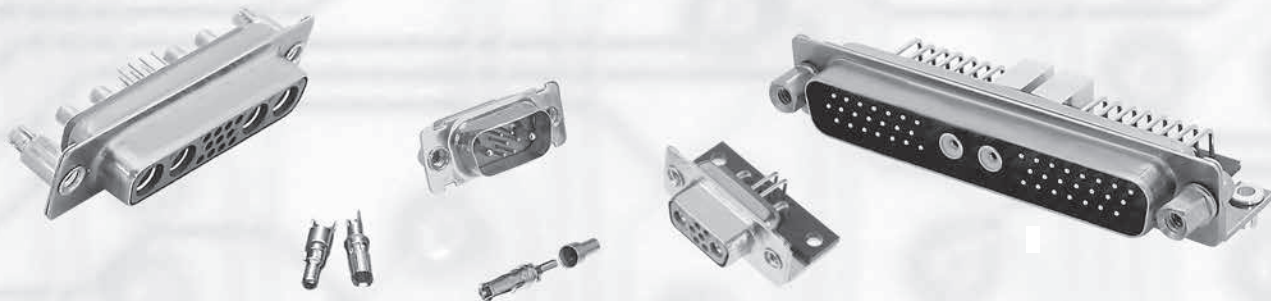
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SCBDD SERIES

MILITARY / SPACE FLIGHT QUALITY

HIGH DENSITY PCB MOUNT

High
Performance
D-sub



- High performance for use in harsh environments, including space flight.
- Size 22 **fixed** contacts, Size 16 **fixed** contacts and Size 8 **removable** contacts.
- All female closed entry signal contacts utilize the “PosiBand®” system. See page 1 for details. GSFC S-311-P-4/08 offers two contact engagement test options. Size 22 PosiBand contacts meet the higher 40 gram requirements per 4.2.2.b.
- Four connector variants with a mixture of signal, power, shielded and high voltage contacts.
- Terminations include cable or wire crimp and solder, straight and right angle PCB mount.
- Current ratings to 70 amperes. See temperature rise curves on page 3 & 4 for details.
- A wide variety of options and accessories.

Conforming To Applicable Material, Dimensional and Performance Requirements:

- GSFC S-311-P4 & GSFC S-311-P10
- DSCC Specification 85039

Conforming To Outgassing Requirements:

- ASTM E-595 & NASA-RP-1124

TECHNICAL CHARACTERISTICS

MATERIALS AND FINISHES:

Connector Insert:	Glass-filled polyester per ASTM-D-5927, UL 94V-0, ASTM E-595, NASA-RP-1124 blue color.
Contacts:	
Size 22:	Precision machined copper alloy. 0.000050 inch [1.27 microns] gold over copper plate. Other finishes are available; see page 95.
Size 16:	Precision machined high conductivity copper alloy. 0.000050 inch [1.27 microns] gold over copper plate. Other finishes are available; see page 95.
Size 8:	
Power:	Precision machined high conductivity copper alloy. 0.000050 inch [1.27 microns] gold over copper plate. Other finishes are available; see page 95.

Shielded:	<i>For material and finishes, see page 77.</i>
High Voltage:	<i>For material and finishes, see page 77.</i>
Connector Housing (Shells):	Brass with 0.000050 inch [1.27 microns] gold over copper plate.
Mounting Spacers and Brackets:	Brass with 0.000050 inch [1.27 microns] gold over copper plate.
Push-On Fasteners:	Phosphor bronze or beryllium copper with 0.000050 inch [1.27 microns] gold over copper plate.
Jackscrew Systems:	Brass with 0.000050 inch [1.27 microns] gold over copper plate.
Cable Adapter (Hood):	Brass with 0.000050 inch [1.27 microns] gold over copper plate; aluminum with electroless nickel plate. Other finishes available, contact Technical Sales.

continued on next page. . . .



TECHNICAL CHARACTERISTICS, *continued*

continued from previous page. . .

MECHANICAL CHARACTERISTICS:

Size 22 Fixed:	Male – 0.030 inch [0.76 mm] mating diameter. Female contact - PosiBand closed entry design; <i>see page 1 for details.</i>
Size 16 Fixed:	Male – 0.062 inch [1.57 mm] mating diameter. Female contact - PosiBand closed entry design; <i>see page 1 for details.</i>
Size 8 Removable:	Male – 0.142 inch [3.61mm] mating diameter. Female contact features Large Surface Area (L.S.A.) closed entry contact design utilizing BeCu mechanical retention member.
Shielded:	<i>For mechanical characteristics, see page 77.</i>
High Voltage:	<i>For mechanical characteristics, see page 77.</i>
Contact Retention in Connector Insert:	
Size 22:	5 lbs. [21N] minimum.
Size 16 Power:	6 lbs. [26N] minimum.
Size 8 Power / Shielded:	22 lbs. [98N].
Resistance to Solder Iron Heat:	500°F [260°C] for 10 seconds duration per IEC 60512-6.
Contact Terminations:	
Size 22:	Solder cup - wire size 22 AWG [0.25 mm ²] maximum. Straight solder printed board mount - 0.020 inch [0.51 mm] termination diameter. Right angle (90°) printed board mount - 0.030 inch [0.76 mm] termination diameter.
Size 16:	Solder cup - wire size 22 AWG [0.25 mm ²] maximum. Straight solder printed board mount - 0.063 inch [1.60 mm] termination diameter. Right angle (90°) printed board mount - 0.062 inch [0.76 mm] termination diameter.
Size 8:	
Power:	Closed barrel crimp or solder cup - wire sizes 8 [10.0 mm ²], 10 [5.3 mm ²], 12 [4.0 mm ²], and 16 [1.5 mm ²] AWG. Straight solder printed board mount - 0.078 inch [1.98 mm], 0.094 inch [2.39 mm] and 0.125 inch [3.18 mm] termination diameters. Right angle (90°) printed board mount - 0.078 inch [1.98 mm] and 0.125 inch [3.18 mm] termination diameters.
Shielded:	<i>Refer to RF Cable in chart on page 84 for contact terminations.</i>

High Voltage:	Straight and right angle (90°) terminations 0.041 inch [1.04 mm] minimum hole diameter.
Connector Housing (Shells):	Male connector housings may be dimpled for EMI/ESD ground paths.
Polarization:	Trapezoidally-shaped connector housing and polarized jackscrews.
Mounting to Angle Brackets:	Jackscrews and riveted fasteners with 0.120 inch [3.05 mm] diameter hole, and threaded riveted fasteners with 4-40 threads and polyester inserts.
Mounting to Printed Board:	Rapid installation push-on fasteners and threaded posts.
Locking Systems:	Jackscrews.
Mechanical Operations:	1,000 operations per IEC 60512-5.

ELECTRICAL CHARACTERISTICS:

SIZE 22 CONTACTS

Contact Current Rating:	5 amperes, nominal
Initial Contact Resistance:	0.005 ohms maximum.
Proof Voltage:	1000 V r.m.s

SIZE 16 CONTACTS

Contact Current Rating, Tested per UL 1977:	28 amperes
<i>See temperature rise curves on page 4 for details.</i>	
Initial Contact Resistance:	0.0016 ohms maximum, per IEC 60512-2, Test 2b.
Proof Voltage:	1000 V r.m.s.

SIZE 8 CONTACTS

POWER CONTACTS

For electrical characteristics, see page 21.

SHIELDED CONTACTS

For electrical characteristics, see page 77.

HIGH VOLTAGE CONTACTS

For electrical characteristics, see page 77.

CONNECTOR

Insulation Resistance:	5 G ohms.
Clearance and Creepage Distance:	0.042 inch [1.06 mm], minimum.
Working Voltage:	300 V r.m.s.

CLIMATIC CHARACTERISTICS:

Temperature Range:	-55°C to +125°C.
Damp Heat, Steady State:	10 days.



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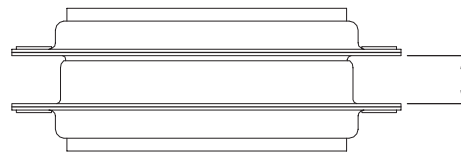
STANDARD CONNECTOR HOUSING (SHELLS) ASSEMBLY



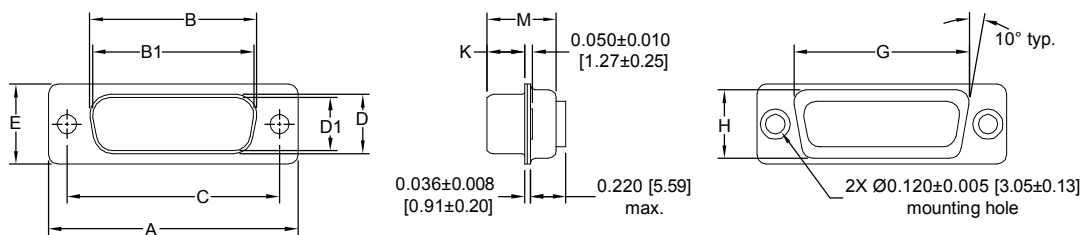
SCBDD8W2M3S00G

SCBDD45W2M3000G

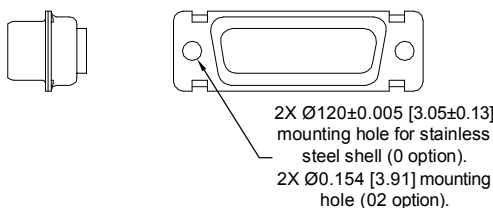
RECOMMENDED MATING DIMENSIONS



Shell Sizes 1 & 2 = 0.265±0.015 [6.73±0.38]
Shell Sizes 3, 4, 5 & 6 = 0.256±0.015 [6.50±0.38]

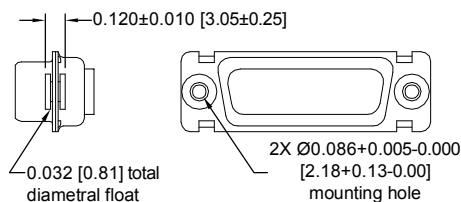


OPTIONAL CONNECTOR HOUSING ASSEMBLY (0, 02)



2X Ø120±0.005 [3.05±0.13]
mounting hole for stainless
steel shell (0 option).
2X Ø0.154 [3.91] mounting
hole (02 option).

OPTIONAL CONNECTOR HOUSING ASSEMBLY WITH UNIVERSAL FLOAT MOUNTS (F)



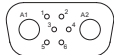
SHELL SIZES	VARIANT	A ±0.015 [0.38]	B ±0.005 [0.13]	B1 ±0.005 [0.13]	C ±0.005 [0.13]	D ±0.005 [0.13]	D1 ±0.005 [0.13]	E ±0.015 [0.38]	G ±0.010 [0.25]	H ±0.010 [0.25]	K ±0.005 [0.13]	M ±0.010 [0.25]
1	8W2M	1.213 [30.81]		0.666 [16.92]	0.984 [24.99]		0.329 [8.36]	0.494 [12.55]	0.759 [19.28]	0.422 [10.72]	0.233 [5.92]	0.422 [10.72]
	8W2S	1.213 [30.81]	0.643 [16.33]		0.984 [24.99]	0.311 [7.90]		0.494 [12.55]	0.759 [19.28]	0.422 [10.72]	0.243 [6.17]	0.429 [10.90]
2	19W1M	1.541 [39.14]		0.994 [25.25]	1.312 [33.32]		0.329 [8.36]	0.494 [12.55]	1.083 [27.51]	0.422 [10.72]	0.233 [5.92]	0.422 [10.72]
	19W1S	1.541 [39.14]	0.971 [24.66]		1.312 [33.32]	0.311 [7.90]		0.494 [12.55]	1.083 [27.51]	0.422 [10.72]	0.243 [6.17]	0.429 [10.90]
3	15W4M	2.088 [53.04]		1.534 [38.96]	1.852 [47.04]		0.329 [8.36]	0.494 [12.55]	1.625 [41.28]	0.422 [10.72]	0.230 [5.84]	0.426 [10.82]
	15W4S	2.088 [53.04]	1.511 [38.38]		1.852 [47.04]	0.311 [7.90]		0.494 [12.55]	1.625 [41.28]	0.422 [10.72]	0.243 [6.17]	0.429 [10.90]
4	45W2M	2.729 [69.32]		2.182 [55.42]	2.500 [63.50]		0.329 [8.36]	0.494 [12.55]	2.272 [57.71]	0.422 [10.72]	0.230 [5.84]	0.426 [10.82]

DIMENSIONS ARE IN INCHES [MILLIMETERS].
ALL DIMENSIONS ARE SUBJECT TO CHANGE.

***1 CONTACT VARIANTS**

FACE VIEW OF MALE OR REAR VIEW OF FEMALE

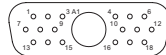
— SHELL SIZE 1 —



8W2

Six (6) Size 22 Signal Contacts and
Two (2) Size 16 Power Contacts

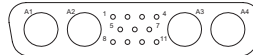
— SHELL SIZE 2 —



19W1

Eighteen (18) Size 22 Signal Contacts
and One (1) Size 8 Power Contact

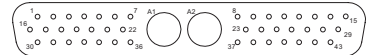
— SHELL SIZE 3 —



15W4

Eleven (11) Size 22 Signal Contacts
and Four (4) Size 8 Power Contacts

— SHELL SIZE 4 —



***2 45W2**

Forty-three (43) Size 22 Signal Contacts
and Two (2) Size 8 Power Contacts

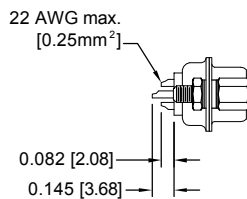
NOTES:

*1 Additional contact variants may be tooled at customer request.

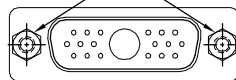
*2 45W2 variant currently available in male only. Contact Technical
Sales for availability of female connector.

**OTHER VARIANTS WILL BE ADDED, CONSULT OUR WEBSITE
OR CONTACT TECHNICAL SALES FOR UPDATED INFORMATION.**

SOLDER CUP TERMINATION
CODE 21

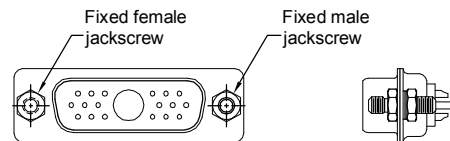


Fixed female jackscrews



For solder cup contacts,
specify code 21 in step 4 of
ordering information.

TYPICAL PART NUMBER:
SCBDD19W1M2100T2G



Fixed male and female polarized jackscrews available.
Specify code T6 in step 7 of ordering information.

TYPICAL PART NUMBER:
SCBDD19W1M2100T6G



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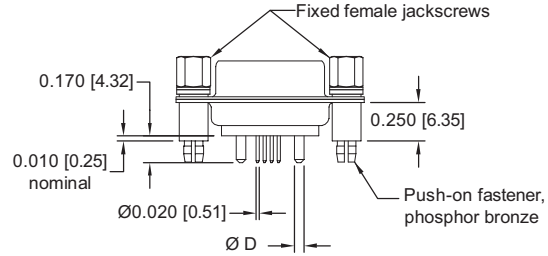
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STRAIGHT SOLDER PRINTED BOARD MOUNT TERMINATION CODE 3, 35, 36, AND 37

FOR VARIANTS INCLUDING SIZE 16 CONTACTS	
*1 CONTACT NUMBER	D Ø
3	0.063 [1.60]

NOTE:

*1 Contact termination code as specified in Step 4 of ordering information.

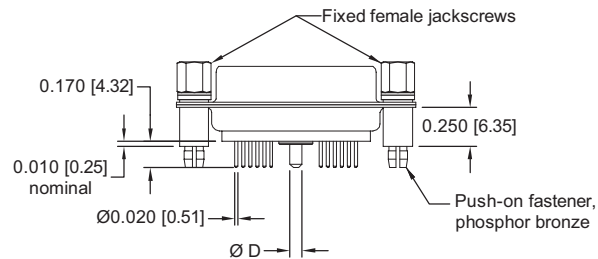


Typical Part Number: **SCBDD8W2S3S60T2G**

FOR VARIANTS WITH SIZE 8 CAVITY	
*1 CONTACT NUMBER	D Ø
3	Size 8 contacts not supplied
35	0.078 [1.98]
36	0.094 [2.39]
37	0.125 [3.18]

NOTE:

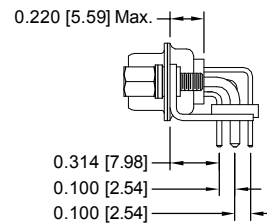
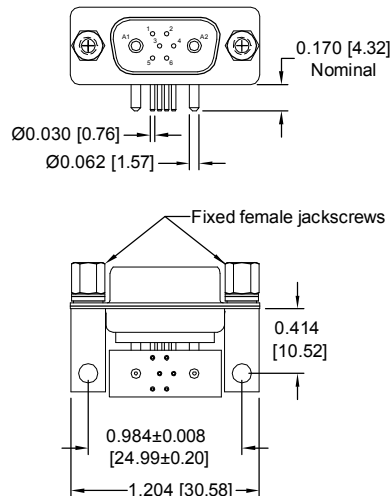
*1 Contact termination code as specified in Step 4 of ordering information.



TYPICAL PART NUMBER:
SCBDD19W1S35S60T2G

RIGHT ANGLE (90°) PRINTED BOARD MOUNT TERMINATION SIZE 16 POWER CONTACTS WITH 0.062 [1.57] Ø TERMINATIONS CODE 4, 0.314 [7.98] CONTACT EXTENSION

See temperature rise curves on pages 3 and 4

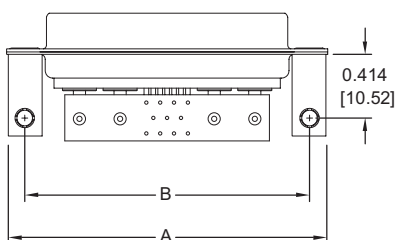
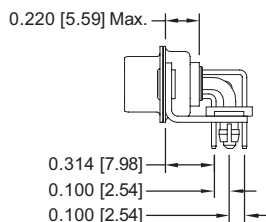
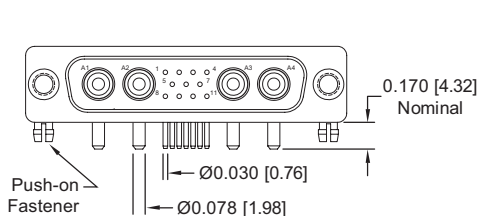


TYPICAL PART NUMBER:
SCBDD8W2M4R70T2G

DIMENSIONS ARE IN INCHES [MILLIMETERS].
ALL DIMENSIONS ARE SUBJECT TO CHANGE.

RIGHT ANGLE (90°) PRINTED BOARD MOUNT TERMINATION
SIZE 8 POWER CONTACTS WITH 0.078 [1.98] Ø TERMINATIONS
CODE 4 AND 45, 0.314 [7.98] CONTACT EXTENSION

See temperature rise curves on pages 3 and 4

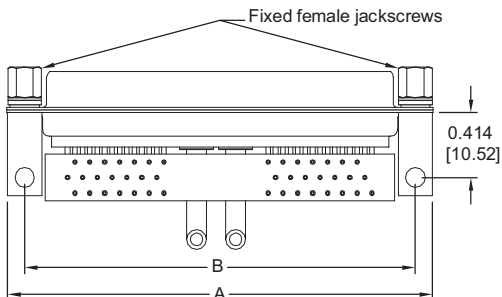
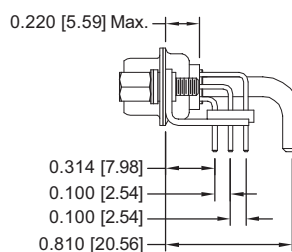
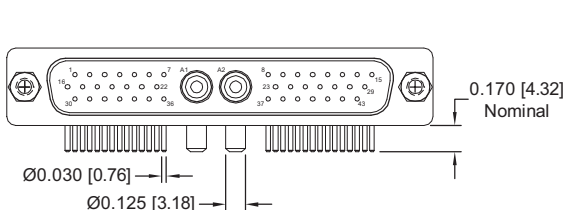


TYPICAL PART NUMBER:
SCBDD15W4M45R7N0G

SCBDD*** (4 or 45)*** 0.314 [7.98] CONTACT EXTENSION		
SHELL SIZE	A	B
SHELL SIZE 2	1.532 [38.91]	1.312 [33.32]
SHELL SIZE 3	2.072 [52.63]	1.852 [47.04]
SHELL SIZE 4	2.720 [69.09]	2.500 [63.50]

RIGHT ANGLE (90°) PRINTED BOARD MOUNT TERMINATION
SIZE 8 POWER CONTACTS WITH 0.125 [3.18] Ø TERMINATIONS
CODE 4 AND 47, 0.314 [7.98] CONTACT EXTENSION

See temperature rise curves on pages 3 and 4



TYPICAL PART NUMBER:
SCBDD45W2M47R70T2G

SCBDD*** (4 or 47)*** 0.314 [7.98] CONTACT EXTENSION		
SHELL SIZE	A	B
SHELL SIZE 2	1.532 [38.91]	1.312 [33.32]
SHELL SIZE 3	2.072 [52.63]	1.852 [47.04]
SHELL SIZE 4	2.720 [69.09]	2.500 [63.50]



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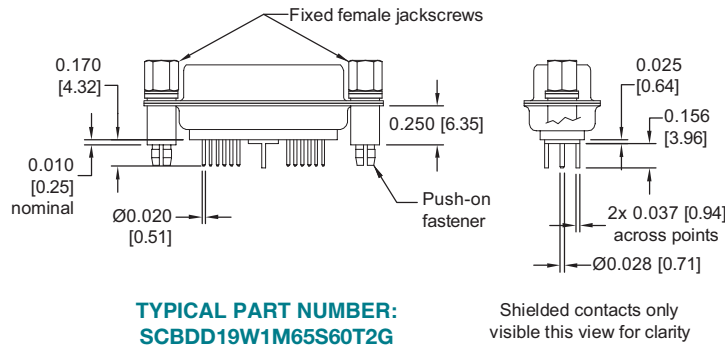
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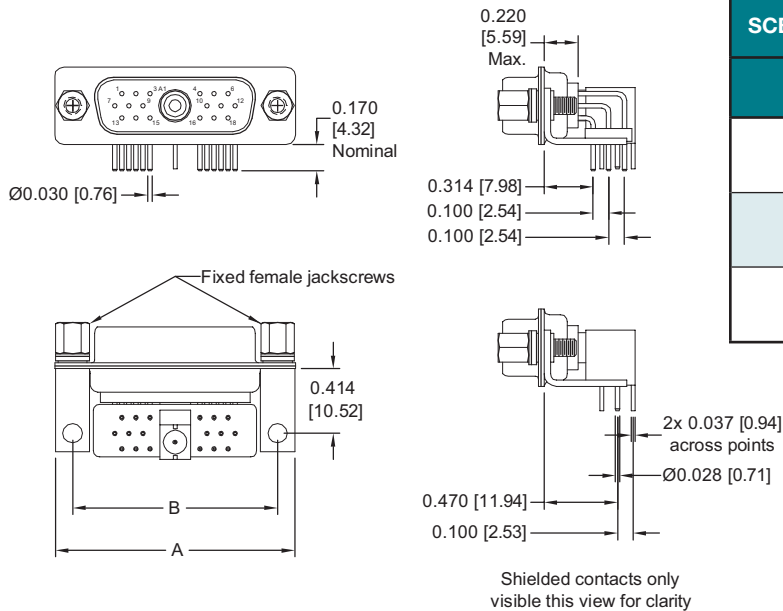
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STRAIGHT SOLDER PRINTED BOARD MOUNT TERMINATION WITH FDS4201M OR MDS4201M SHIELDED CONTACTS CODE 65



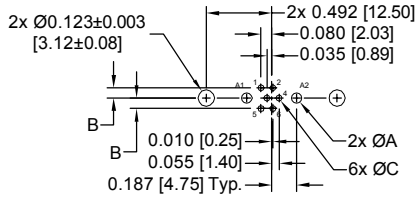
RIGHT ANGLE (90°) PRINTED BOARD MOUNT TERMINATION WITH FRT4201M OR MRT4201M SHIELDED CONTACTS CODE 84



SCBDD***84**** 0.314 [7.98] CONTACT EXTENSION		
SHELL SIZE	A	B
SHELL SIZE 2	1.532 [38.91]	1.312 [33.32]
SHELL SIZE 3	2.072 [52.63]	1.852 [47.04]
SHELL SIZE 4	2.720 [69.09]	2.500 [63.50]

PRINTED BOARD MOUNT CONTACT HOLE PATTERN

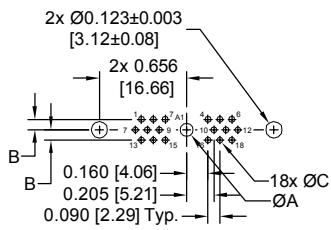
HOLE IDENTIFICATION SHOWN FOR MALE CONNECTOR; USE MIRROR IMAGE FOR FEMALE CONNECTOR.
MOUNT RIGHT ANGLE (90°) CONNECTOR WITH MATING FACE POSITIONED TO FOLLOW DIRECTION OF ARROWS.



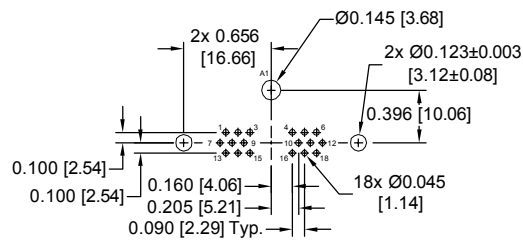
SCBDD8W2M3
SCBDD8W2M4

SUGGESTED PRINTED BOARD HOLE SIZES:

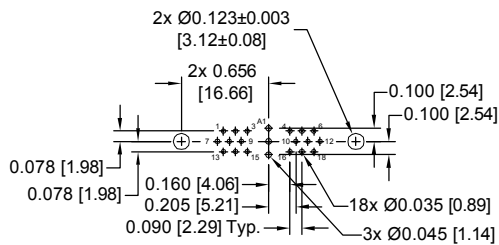
See Suggested Printed Board Hole Size chart on page 53.



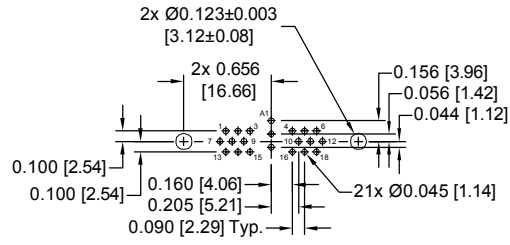
SCBDD19W1M3, 35, 36, 37
SCBDD19W1M4, 45



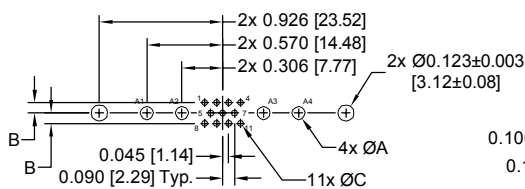
SCBDD19W1M47



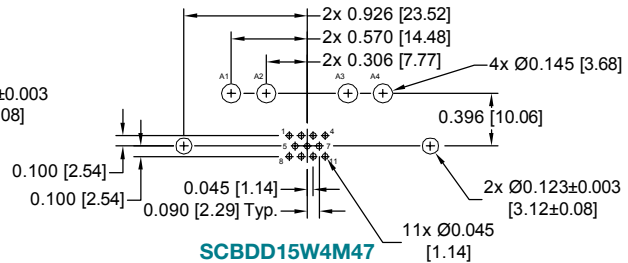
SCBDD19W1M65



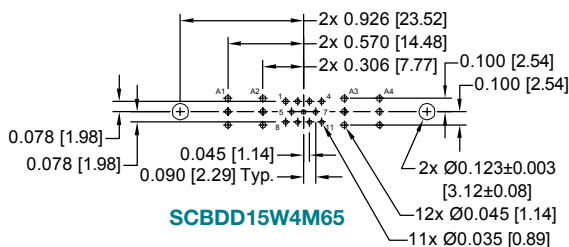
SCBDD19W1M84



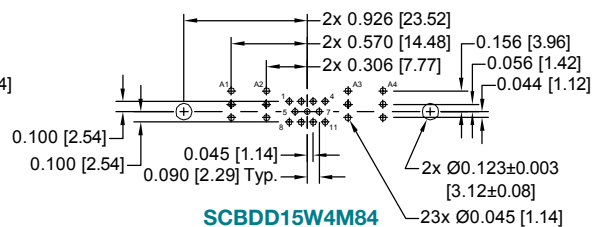
SCBDD15W4M3, 35, 36, 37
SCBDD15W4M4, 45



SCBDD15W4M47



SCBDD15W4M65



SCBDD15W4M84

continued on next page. . .



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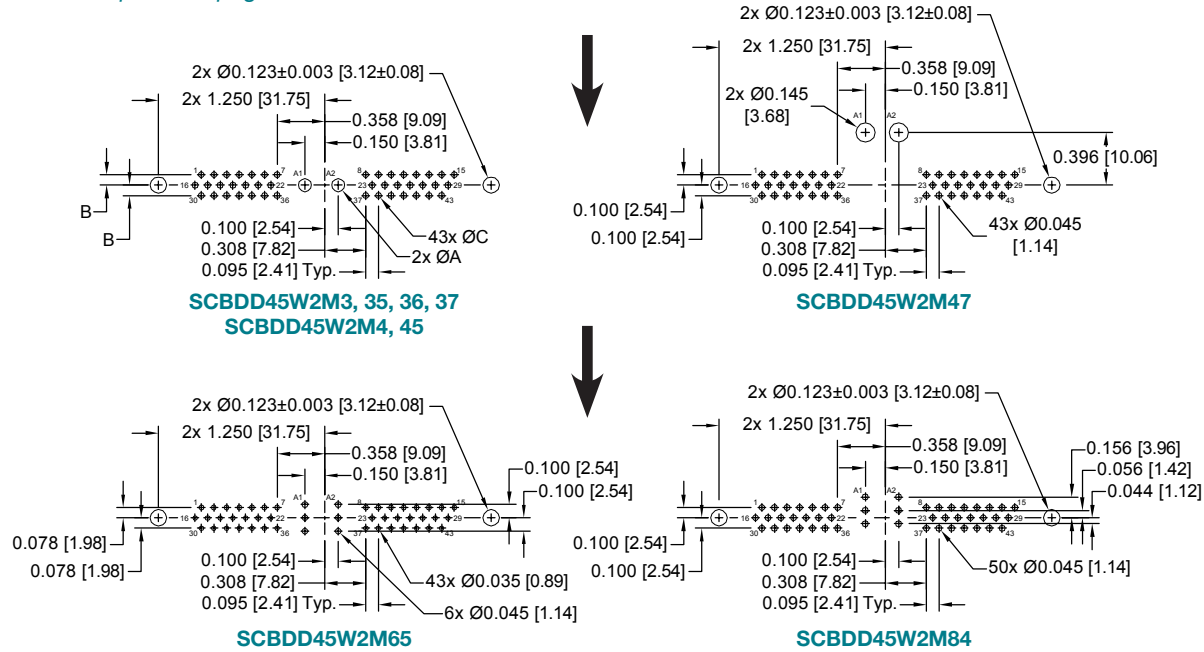
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PRINTED BOARD MOUNT CONTACT HOLE PATTERN

HOLE IDENTIFICATION SHOWN FOR MALE CONNECTOR; USE MIRROR IMAGE FOR FEMALE CONNECTOR.
MOUNT RIGHT ANGLE (90°) CONNECTOR WITH MATING FACE POSITIONED TO FOLLOW DIRECTION OF ARROWS.

continued from previous page. . .



SUGGESTED PRINTED BOARD HOLE SIZES

VARIANT	CODE	ØA	B	ØC
8W2	3	0.080 [2.03]	0.078 [1.98]	0.035 [0.89]
	4	0.080 [2.03]	0.100 [2.54]	0.045 [1.14]
19W1 15W4 45W2	3, 35	0.098 [2.49]	0.078 [1.98]	0.035 [0.89]
	36	0.114 [2.90]		
	37	0.145 [3.68]		
	4	N/A	0.100 [2.54]	0.045 [1.14]
	45	0.098 [2.49]	0.100 [2.54]	0.045 [1.14]
	47	N/A	N/A	N/A
	65	N/A	N/A	N/A
	84	N/A	N/A	N/A



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.



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 2 - CONNECTOR VARIANTS

Shell Size 2 - 19W1

Shell Size 3 - 15W4

*1 Shell Size 4 - 45W2

See page 54 for ordering information for shell size 1 - 8W2 options.

STEP 3 - CONNECTOR GENDER

M - Male

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

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.

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.

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

*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