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		10
EXAMPLE	CBD	17W2	F	55	R7	N	T2	X	/AA	—	-14

STEP 1 - BASIC SERIES

CBD – Professional/Industrial Quality, see Step 3.

CBM – Military conformance with "closed entry" female signal contacts plated 0.000050 [1.27µ] gold over nickel plate. Choose "S" or "M" in Step 3.

STEP 2 - CONNECTOR VARIANTS

Shell Size 1 - 2WK2, 5W1
Shell Size 2 - 3W3, 3WK3, 7W2, 11W1
Shell Size 3 - 5W5, 9W4, 13W3, 17W2, 21W1
Shell Size 4 - 8W8, 13W6, 17W5, 21WA4, 25W3, 27W2
Shell Size 5 - 24W7, 36W4, 43W2, 47W1
Shell Size 6 - 46W4

STEP 3 - CONNECTOR GENDER

F - Female - Professional Level - Open Entry Signal Contacts
M - Male
S - Female - Industrial / Military Level - PosiBand Closed Entry Signal Contacts

STEP 4 - CONTACT TERMINATION TYPE

0 – Connector ordered without size 8 power, shielded, air or high voltage removable contacts. See pages 60-88 for contact part numbers. Available on 2WK2, 3W3, 3WK3, 5W5 and 8W8.
2 – Fixed Solder Cup, Signal Contacts only.
3 – Solder, Straight Printed Board Mount with Signal Contacts, 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.
5 – Solder, Right Angle (90°) Printed Board Mount with Signal Contacts only, 0.283 [7.19] Signal Contact Extension.
55 – Solder, Right Angle (90°) Printed Board Mount with Signal and 0.078 [1.98] Ø Power Contacts, 0.283 [7.19] Signal Contact Extension.
57 – Solder, Right Angle (90°) Printed Board Mount with Signal and 0.125 [3.18] Ø Power Contacts, 0.283 [7.19] Signal Contact Extension.
65 – Solder, Straight Printed Board Mount with Signal and Shielded Contacts MDS/FDS 4201D footprint, 0.170 [4.32] Signal Contact Tail Length.
7 – Solder, Metric System Right Angle (90°) Printed Board Mount with Signal Contacts only, 0.370 [9.40] Signal Contact Extension.
75 – Solder, Metric System Right Angle (90°) Printed Board Mount with Signal and 0.078 [1.98] Ø Power Contacts, 0.370 [9.40] Signal Contact Extension.
77 – Solder, Metric System Right Angle (90°) Printed Board Mount with Signal and 0.125 [3.18] Ø Power Contacts, 0.370 [9.40] Signal Contact Extension.
*1 85 – Solder, Right Angle (90°) Printed Board Mount with Signal and Shielded Contacts MRT/FRT 4201D footprint, 0.283 [7.19] Signal Contact Extension.
93 – Size 20 Omega type compliant and Size 8 Bi-Spring type compliant, termination length 0.225 [5.72].

*2 STEP 5 - MOUNTING STYLE

0 – Mounting Hole, 0.120 [3.05] Ø
02 – Mounting Hole, 0.154 [3.91] Ø
*5 B3 – Bracket, Mounting, Right Angle (90°) Metal with Cross Bar
*5 B8 – Bracket, Mounting, Right Angle (90°) Plastic with Cross Bar
F – Float Mounts, Universal
P – Threaded Post, Brass, 0.250 [6.35] Length
P2 – Threaded Post, Nylon, 0.250 [6.35] Length
*5 R2 – Bracket, Mounting, Right Angle (90°) Metal, Swaged to Connector with 4-40 Thread Fixed Female Jackscrews with Cross Bar
*5 R6 – Bracket, Mounting, Right Angle (90°) Metal, Swaged to Connector with 0.120 [3.05] Ø Mounting Hole with Cross Bar
*5 R7 – Bracket, Mounting, Right Angle (90°) Metal, Swaged to Connector with 4-40 Threads with Cross Bar
*5 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, Spacer length changes to 0.265 [6.73] when used in conjunction with Code 93 contacts
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

*2 STEP 6 - HOODS AND PUSH-ON FASTENERS

0 – None
AN – Lightweight Aluminum Hood, nickel finish.
AC – Lightweight Aluminum Hood, no finish.
Z – Hood, Top or Side Opening, robust extended height, plastic and composite, with rotating male jackscrews, shell sizes 1 through 5
H – Hood, Top Opening, Metal, shell sizes 2 through 5
*3 G – Hood, EMI/RFI, Die Cast Zinc, shell sizes 1 through 6
N – Push-on Fastener, for Right Angle (90°) Mounting Brackets

*2 STEP 7 - LOCKING AND POLARIZING SYSTEMS

0 – None.
V3 – Lock Tab, connector front panel mounted.
V5 – Lock Tab, connector rear panel mounted.
VL – Lock Lever, used with Hoods only.
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 8 - SHELL OPTIONS

0 – Zinc Plated, with Chromate Seal.
*4 S – Stainless Steel, passivated.
X – Tin Plated.
Z – Tin Plated and Dimpled (male connectors only).

STEP 9 - ENVIRONMENTAL COMPLIANCE OPTIONS

/AA - RoHS Compliant

NOTE: If compliance to environmental legislation is not required, this step will not be used. Example: CBD17W2F55R7NT2X

*2 STEP 10 - SPECIAL OPTIONS

FOR SPECIAL OPTIONS, SEE SPECIAL OPTIONS APPENDIX ON PAGE 81.

CONTACT TECHNICAL SALES FOR ORDERING DETAILS OF THE FOLLOWING:
Other Special Requirements.
Straight / Right Angle Thermocouple PCB mount contacts.

NOTES

*1 Not available on shell size 6, CBD 46W4.
*2 For additional information on accessories listed in steps 5, 6, 7 and 10, see Accessory Catalog.
*3 When using G hood with CBD variants, use the extended height hood. See Accessories Catalog for extended G hood options.
*4 For stainless steel dimpled male versions, contact Technical Sales.
*5 Not available when using 2WK2, 3W3, 3WK3, 5W5, 8W8, instead use B, R, R3, R4, or R5.

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

REMOVABLE CONTACT TECHNICAL CHARACTERISTICS

SIZE 22 REMOVABLE CONTACT

MATERIALS AND FINISHES:

Precision machined copper alloy with gold flash over nickel. Other finishes are available, see pages 69 and 81 for optional finishes.

MECHANICAL CHARACTERISTICS:

Insert contact to rear face of insulator, release from rear face of insulator. Size 22 contacts, 0.030 inch [0.76 mm] mating diameter male contacts. Female PosiBand closed entry contact design. Terminations for 20, 22, 24, 26, 28, and 30 AWG. Closed barrel crimp.

ELECTRICAL CHARACTERISTICS:

Contact Current Rating: 5 amperes nominal.
Initial Contact Resistance: 0.010 ohms maximum.

THERMOCOUPLE CONTACTS:

Straight and right angle (90°) PCB mount contacts are available, contact Technical Sales for details.

Size 22 crimp contacts are available, see page 71 for details.

SIZE 20 REMOVABLE CONTACT

MATERIALS AND FINISHES:

Precision machined copper alloy with gold flash over nickel. Other finishes are available, see pages 69 and 81 for optional finishes.

MECHANICAL CHARACTERISTICS:

Insert contact to rear face of insulator, release from rear face of insulator. Size 20 contacts, 0.040 inch [1.02 mm] mating diameter male contacts. Female PosiBand closed entry or rugged open entry contact design.

ELECTRICAL CHARACTERISTICS:

Contact Current Rating: 7.5 amperes nominal.
Initial Contact Resistance: 0.008 ohms max. per IEC 60512-2, test 2b.

THERMOCOUPLE CONTACTS:

Straight and right angle (90°) PCB mount contacts are available, contact Technical Sales for details.

Size 20 crimp contacts are available, see page 74 for details.

SIZE 16 REMOVABLE CONTACT

MATERIALS AND FINISHES:

STANDARD: Precision machined copper alloy with gold flash over nickel. Other finishes are available, see pages 69 and 81 for optional finishes.

HIGH CONDUCTIVITY: High conductivity copper alloy, gold flash over nickel. Other finishes are available, see pages 69 and 81 for optional finishes.

MECHANICAL CHARACTERISTICS:

STANDARD AND HIGH CONDUCTIVITY: Insert contact to rear face of insulator, release from front face of insulator. Size 16 contacts, 0.0625 inch [1.588mm] mating diameter male contacts. Female PosiBand closed entry contact design. Terminations for 12, 14, 16, 18, 20, 22, 24, 26, and 28 AWG.

ELECTRICAL CHARACTERISTICS:

Contact Current Rating - Tested per UL 1977:
Standard Contact Material: 28 amperes.
High Conductivity Contact Material: 40 amperes.
See Temperature Rise Curves on page 2 for details.
Initial Contact Resistance:
Standard Contact Material: 0.0016 ohms max. Per IEC 60512-2, Test 2b.
High Conductivity Contact Material: 0.001 ohms max. Per IEC 60512-2, Test 2b.

SIZE 8 REMOVABLE CONTACT

MATERIALS AND FINISHES:

STANDARD: Precision machined copper alloy with gold flash over nickel. Other finishes are available, see pages 69 and 81 for optional finishes.

HIGH CONDUCTIVITY: High conductivity copper alloy, gold flash over nickel. Other finishes are available, see pages 69 and 81 for optional finishes.

HIGH VOLTAGE:
Insulator Material: PTFE teflon
Contacts: Precision machined copper alloy with 0.000030 inch [0.76µ] gold over nickel. Other finishes are available, see pages 69 and 81 for optional finishes.

SHIELDED:
Dielectric Material: PTFE teflon
Inner Contacts: Precision machined copper alloy with 0.000030 inch [0.76µ] gold over nickel. Other finishes are available, see pages 69 and 81 for optional finishes.
Outer Contacts: Precision machined copper alloy with gold flash over nickel. Other finishes are available, see pages 69 and 81 for optional finishes.

AIR LINE COUPLER: Stainless steel, see page 80.

MECHANICAL CHARACTERISTICS:

STANDARD AND HIGH CONDUCTIVITY: Insert contact to rear face of insulator, release from front face of insulator. Size 8 contacts, 0.142 inch [3.61 mm] mating diameter male contacts, closed entry female contacts.

HIGH VOLTAGE: Insert contact to rear face of insulator, release from front face of insulator. Size 8 contacts. Straight and right angle (90°) terminations. 0.041 inch [1.04 mm] minimum hole diameter.
Durability: 500 cycles minimum.
Vibration: 20g from 10 Hz to 500 Hz.
Shock: 30g-11ms.

. . . continued on next page

For information regarding crimp tool and crimping tool techniques, see Application Tools section, page 82.

REMOVABLE CONTACT TECHNICAL CHARACTERISTICS

continued from previous page . . .

MECHANICAL CHARACTERISTICS, continued:

SHIELDED: Insert contact to rear face of insulator, release from front face of insulator. Size 8 contacts. See page 78 table of cable sizes for contact termination dimensions.

Durability: 500 cycles minimum.
Vibration: 20g from 10 Hz to 500 Hz.
Shock: 30g-11ms.

AIR LINE COUPLER: Insert contact to rear face of insulator, release from front face of insulator.

ELECTRICAL CHARACTERISTICS:

POWER CONTACTS:

For electrical characteristics, see page 4.

HIGH VOLTAGE:

Flash over Voltage:	3600 V r.m.s.
Proof Voltage:	2700 V r.m.s.
Initial Contact Resistance:	0.008 ohms maximum.

SHIELDED:

Initial Contact Resistance:	0.008 ohms maximum.
Nominal Impedance:	50 ohms.
Insertion Loss:	-0.46 dB at 1 GHz
	-1.5 dB at 2 GHz
VSWR:	1.15 average at 1 GHz
	1.56 average at 2 GHz

Above values measured using frequency domain techniques.

Proof Voltage: 1000 V r.m.s.

OPTIONAL PLATING FINISHES

-14 0.000030 [0.76 µ] gold over nickel by adding "-14" suffix onto part number. Example: FC120N4-14.

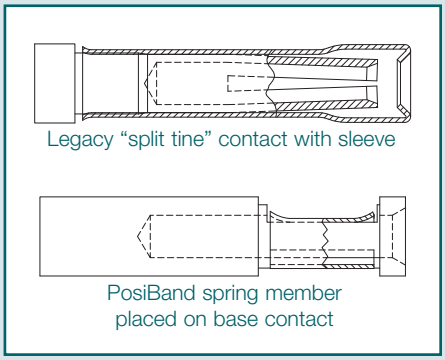
-15 0.000050 inch [1.27µ] gold over nickel by adding "-15". Example: FC120N4-15.

RoHS OPTIONS:

/AA Environmental Compliance Option: RoHS compliant can be achieved by adding "/AA" suffix onto part number. Examples: FC120N4/AA or for optional finishes use FC120N4/AA-14.

What makes Positronic's PosiBand® contact interface significant?

Authentic Positronic® PosiBand®
These contacts utilize authentic Positronic PosiBand® technology.
Protected by U.S. Patent 7,115,002



- ✔ Higher reliability in harsh environments and repeated mating cycles.
- ✔ PosiBand crimp contacts do not need to be annealed. Split tine D-subminiature contacts are commonly annealed at the crimp barrel, with the possibility of reliability problems at the contact interface if the annealing is performed incorrectly.
- ✔ Electrical and mechanical function of the contact interface are separated since the PosiBand contact is a two-piece design. Contact normal force is provided by the "Posiband spring member", which allows higher mechanical reliability. The electrical continuity path is supported through the base contact, which allows a greater number of electrical paths on a "micro" level when compared to split tine contact design.
- ✔ Higher reliability at prices comparable to the "split tine" design.
- ✔ PosiBand is protected by US Patent 7,115,002.

For a detailed white paper visit: www.connectpositronic.com/posiband

For information regarding crimp tool and crimping tool techniques, see Application Tools section, page 82.

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

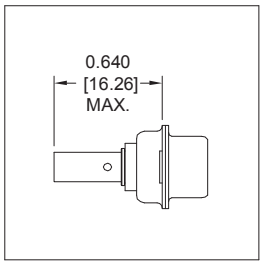
REMOVABLE CRIMP POWER CONTACT

FOR USE WITH CBD, CBC, CBCD AND CBDD SERIES CONNECTORS

SIZE 8

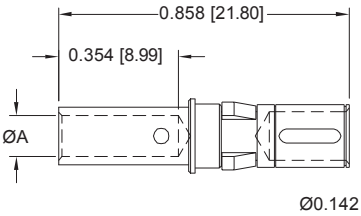
Note: Connectors can be kitted with all applicable removable contacts, contact Technical Sales for connector part number.

For contact current rating, see page 4.

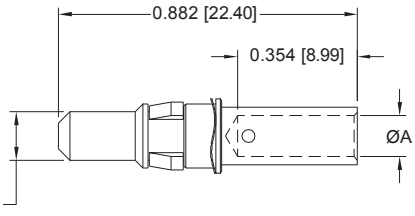


***1 FEMALE CONTACT**

"CLOSED ENTRY" DESIGN, L.S.A.



MALE CONTACT



FEMALE PART NUMBER	WIRE SIZE AWG [mm²]	Ø A
FC4008DS	8 [10.0]	0.181 [4.60]
FC4008D	8 [10.0]	0.181 [4.60]
FC4010D	10 [5.3]	0.122 [3.10]
FC4012D	12 [4.0]	0.101 [2.57]
FC4016D	16 [1.5]	0.067 [1.70]

"S" in part number indicates high conductivity copper alloy material.

MALE PART NUMBER	WIRE SIZE AWG [mm²]	Ø A
MC4008DS	8 [10.0]	0.181 [4.60]
MC4008D	8 [10.0]	0.181 [4.60]
MC4010D	10 [5.3]	0.122 [3.10]
MC4012D	12 [4.0]	0.101 [2.57]
MC4016D	16 [1.5]	0.067 [1.70]

***1 NOTE:** Female contacts feature Large Surface Area (L.S.A.) closed entry contact design which provides maximum mating surfaces between male and female contact and reduced contact resistance during operation.

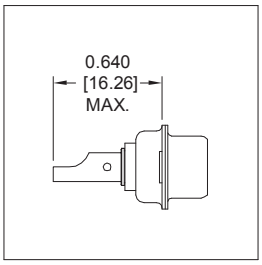
REMOVABLE SOLDER CUP POWER CONTACT

FOR USE WITH CBD, CBC, CBCD AND CBDD SERIES CONNECTORS

SIZE 8

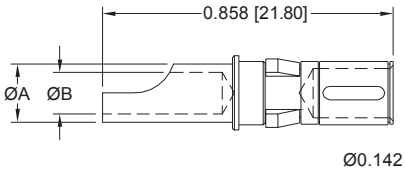
Note: Connectors can be kitted with all applicable removable contacts, contact Technical Sales for connector part number.

For contact current rating, see page 4.

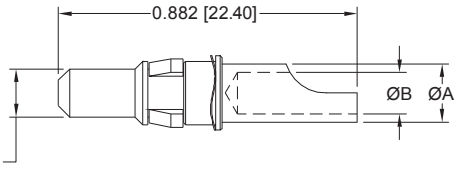


***1 FEMALE CONTACT**

"CLOSED ENTRY" DESIGN, L.S.A.



MALE CONTACT



FEMALE PART NUMBER	WIRE SIZE AWG [mm²]	Ø A	Ø B
FS4008D	8 [10.0]	0.219 [5.56]	0.188 [4.78]
FS4012D	12 [4.0]	0.143 [3.63]	0.112 [2.84]
FS4016D	16 [1.5]	0.100 [2.54]	0.069 [1.75]

MALE PART NUMBER	WIRE SIZE AWG [mm²]	Ø A	Ø B
MS4008D	8 [10.0]	0.219 [5.56]	0.188 [4.78]
MS4012D	12 [4.0]	0.143 [3.63]	0.112 [2.84]
MS4016D	16 [1.5]	0.100 [2.54]	0.069 [1.75]

*1 NOTE: Female contacts feature Large Surface Area (L.S.A.) closed entry contact design which provides maximum mating surfaces between male and female contact and reduced contact resistance during operation.

For information regarding crimp tool and crimping tool techniques, see Application Tools section, page 82.

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

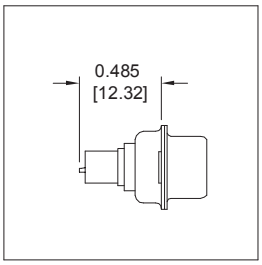
REMOVABLE HIGH VOLTAGE POWER CONTACT

FOR USE WITH CBD, CBC, CBCD AND CBDD SERIES CONNECTORS

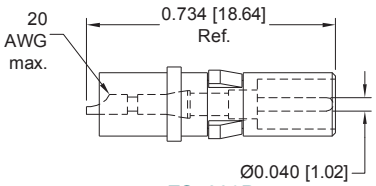
SIZE 8

Note: Connectors can be kitted with all applicable removable contacts, contact Technical Sales for connector part number.

STRAIGHT SOLDER WIRE TERMINATION

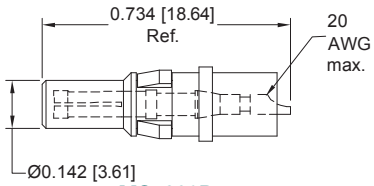


FEMALE CONTACT



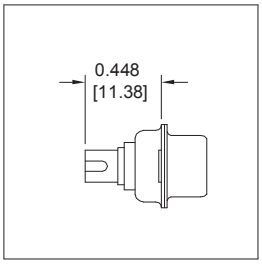
FS4820D

MALE CONTACT

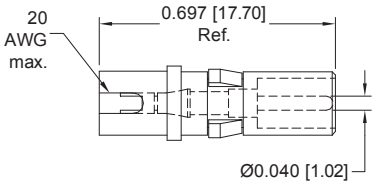


MS4820D

RIGHT ANGLE (90°) SOLDER WIRE TERMINATION

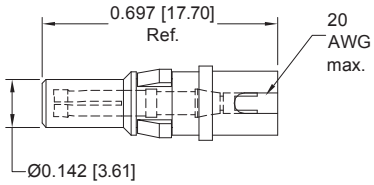


FEMALE CONTACT



FS4920D

MALE CONTACT



MS4920D

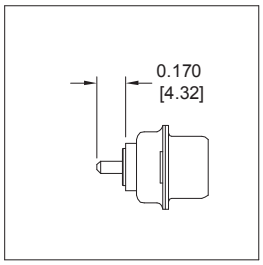
STRAIGHT PRINTED BOARD MOUNT POWER CONTACT

FOR USE WITH CBD AND CBDD SERIES CONNECTORS

SIZE 8

Positronic **recommends** printed circuit board termination **contacts be supplied installed** in the connector. **Contact technical sales** for part number information.

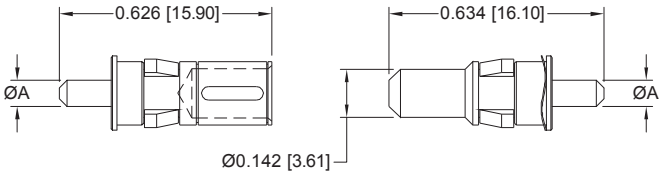
For contact current rating, see page 4.



***1 FEMALE CONTACT**

"CLOSED ENTRY" DESIGN, L.S.A.

MALE CONTACT



FEMALE PART NUMBER	Ø A	CONTACT CODE
FDS4314D	0.078 [1.98]	35
FDS4312D	0.094 [2.39]	36
FDS4310D	0.125 [3.18]	37

MALE PART NUMBER	Ø A	CONTACT CODE
MDS4314D	0.078 [1.98]	35
MDS4312D	0.094 [2.39]	36
MDS4310D	0.125 [3.18]	37

***1 NOTE:** Female contacts feature Large Surface Area (L.S.A.) closed entry contact design which provides maximum mating surfaces between male and female contact and reduced contact resistance during operation.

For information regarding crimp tool and crimping tool techniques, see Application Tools section, page 82.

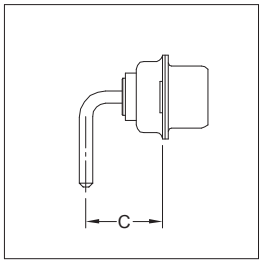
RIGHT ANGLE (90°) PRINTED BOARD MOUNT POWER CONTACT

FOR USE WITH CBD AND CBDD SERIES CONNECTORS

SIZE 8

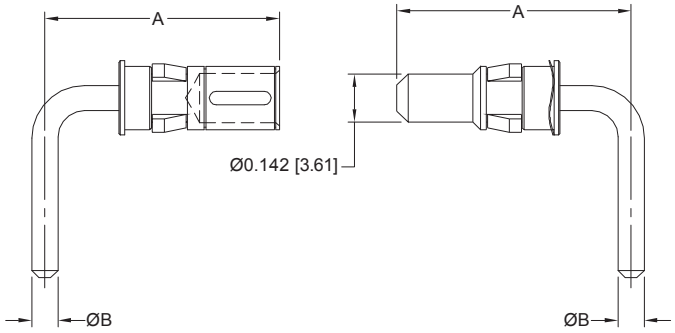
Positronic **recommends** printed circuit board termination **contacts be supplied installed** in the connector. **Contact technical sales** for part number information.

For contact current rating, see page 4.



***1 FEMALE CONTACT**

"CLOSED ENTRY" DESIGN, L.S.A.



MALE CONTACT

FEMALE PART NUMBER	A REF.	Ø B	C	SHELL SIZE	CONTACT CODE
FRT4314D	0.580 [14.73]	0.078 [1.98]	0.339 [8.61]	1, 2, 3 & 4	55
FRT4414D	0.692 [17.58]	0.078 [1.98]	0.451 [11.46]	5	55
FRT4714D	0.661 [16.79]	0.078 [1.98]	0.420 [10.67]	1, 2, 3 & 4	75
FRT4814D	0.773 [19.63]	0.078 [1.98]	0.520 [13.21]	5	75
FRT4310D	1.051 [26.70]	0.125 [3.18]	0.810 [20.57]	1, 2, 3 & 4	57
FRT4410D	1.051 [26.70]	0.125 [3.18]	0.810 [20.57]	5	57

MALE PART NUMBER	A REF.	Ø B	C	SHELL SIZE	CONTACT CODE
MRT4314D	0.580 [14.73]	0.078 [1.98]	0.339 [8.61]	1, 2, 3 & 4	55
MRT4414D	0.692 [17.58]	0.078 [1.98]	0.451 [11.46]	5	55
MRT4714D	0.661 [16.79]	0.078 [1.98]	0.420 [10.67]	1, 2, 3 & 4	75
MRT4814D	0.773 [19.63]	0.078 [1.98]	0.520 [13.21]	5	75
MRT4310D	1.051 [26.70]	0.125 [3.18]	0.810 [20.57]	1, 2, 3 & 4	57
MRT4410D	1.051 [26.70]	0.125 [3.18]	0.810 [20.57]	5	57

***1 NOTE:** Female contacts feature Large Surface Area (L.S.A.) closed entry contact design which provides maximum mating surfaces between male and female contact and reduced contact resistance during operation.

For information regarding crimp tool and crimping tool techniques, see Application Tools section, page 82.

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

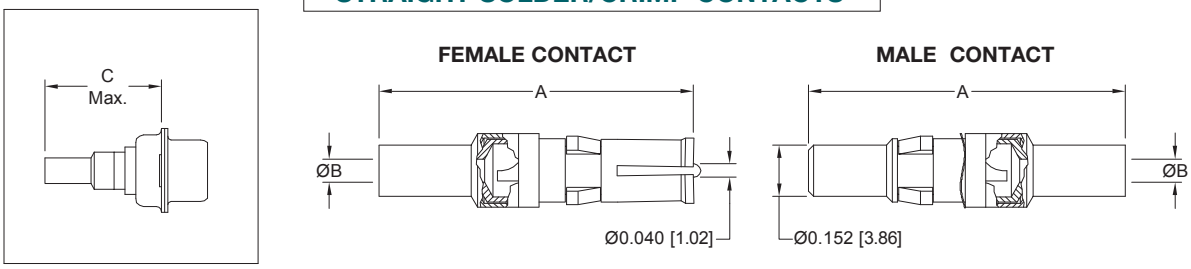
REMOVABLE SHIELDED CONTACT

FOR USE WITH CBD, CBC, CBCD AND CBDD SERIES CONNECTORS

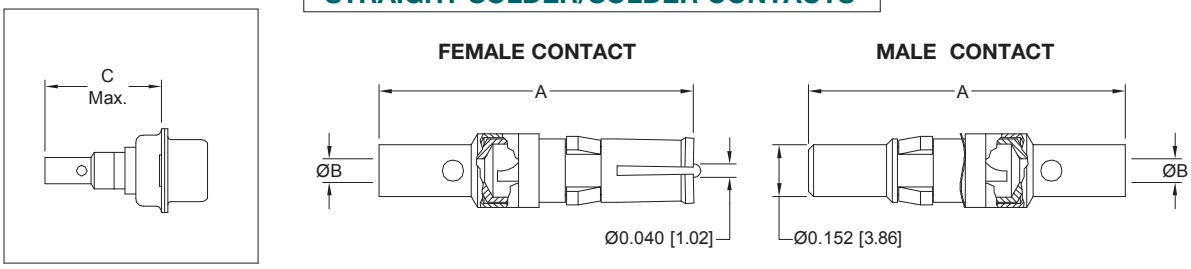
SIZE 8

Note: Connectors can be kitted with all applicable removable contacts, contact Technical Sales for connector part number.

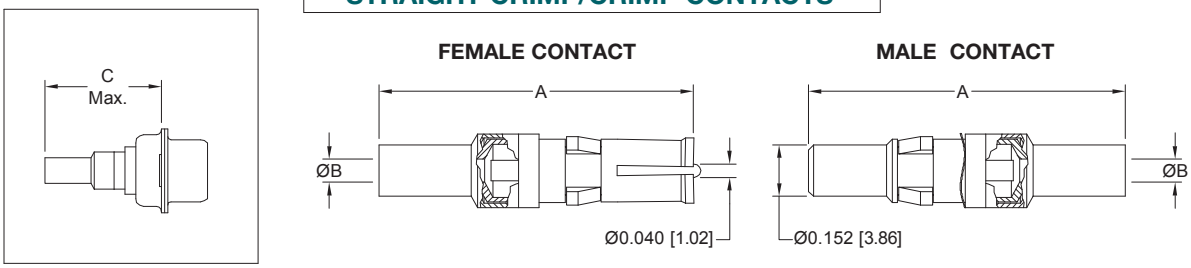
STRAIGHT SOLDER/CRIMP CONTACTS



STRAIGHT SOLDER/SOLDER CONTACTS



STRAIGHT CRIMP/CRIMP CONTACTS



TYPE OF CONTACT	FEMALE PART NUMBER	MALE PART NUMBER	A	Ø B	C MAX.	RG CABLE NUMBER
SOLDER/CRIMP	**FC4101D**	**MC4101D**	0.929 [23.60]	0.040 [1.02]	0.739 [18.77]	178 B/U 196 B/U
SOLDER/CRIMP	**FC4102D**	**MC4102D**	0.929 [23.60]	0.067 [1.70]	0.739 [18.77]	179 B/U 316 /U
SOLDER/CRIMP	**FC4103D**	**MC4103D**	1.037 [26.34]	0.108 [2.74]	0.847 [21.51]	180 B/U
SOLDER/CRIMP	**FC4104D**	**MC4104D**	1.037 [26.34]	0.120 [3.05]	0.847 [21.51]	58 B/U
SOLDER/SOLDER	**FS4101D**	**MS4101D**	0.929 [23.60]	0.040 [1.02]	0.739 [18.77]	178 B/U 196 B/U
SOLDER/SOLDER	**FS4102D**	**MS4102D**	0.929 [23.60]	0.067 [1.70]	0.739 [18.77]	179 B/U 316 /U
SOLDER/SOLDER	**FS4103D**	**MS4103D**	1.037 [26.34]	0.108 [2.74]	0.847 [21.51]	180 B/U
SOLDER/SOLDER	**FS4104D**	**MS4104D**	1.037 [26.34]	0.120 [3.05]	0.847 [21.51]	58 B/U
CRIMP/CRIMP	**FCC4101D**	**MCC4101D**	0.929 [23.60]	0.040 [1.02]	0.739 [18.77]	178 B/U 196 B/U
CRIMP/CRIMP	**FCC4102D**	**MCC4102D**	0.929 [23.60]	0.067 [1.70]	0.739 [18.77]	179 B/U 316 /U
CRIMP/CRIMP	**FCC4103D**	**MCC4103D**	1.037 [26.34]	0.108 [2.74]	0.847 [21.51]	180 B/U
CRIMP/CRIMP	**FCC4104D**	**MCC4104D**	1.037 [26.34]	0.120 [3.05]	0.847 [21.51]	58 B/U

SHIELDED CONTACTS

Two-step crimping action for signal and shielding conductors.

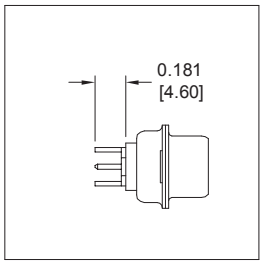
For information regarding crimp tool and crimping tool techniques, see Application Tools section, page 82.

STRAIGHT PRINTED BOARD MOUNTED SHIELDED CONTACT

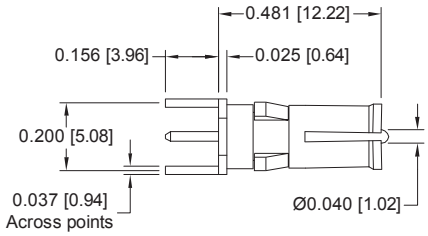
FOR USE WITH CBD AND CBDD SERIES CONNECTORS

SIZE 8

Positronic **recommends** printed circuit board termination **contacts be supplied installed** in the connector. **Contact technical sales** for part number information.

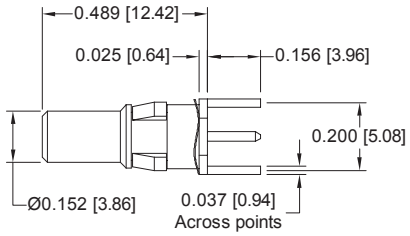


FEMALE CONTACT

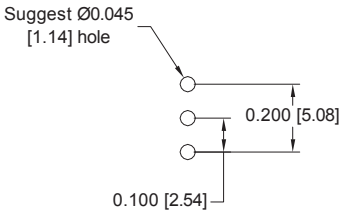


FDS4201D

MALE CONTACT



MDS4201D



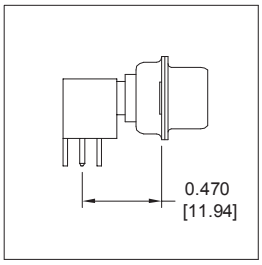
CONTACT HOLE PATTERN

RIGHT ANGLE (90°) PRINTED BOARD MOUNT SHIELDED CONTACT

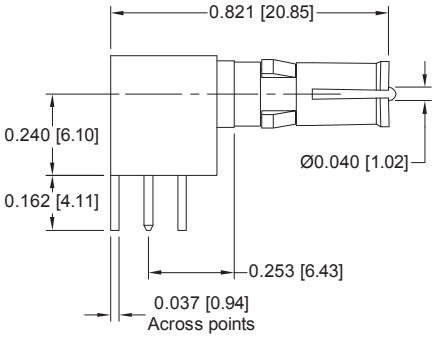
FOR USE WITH CBD AND CBDD SERIES CONNECTORS

SIZE 8

Positronic **recommends** printed circuit board termination **contacts be supplied installed** in the connector. **Contact technical sales** for part number information.

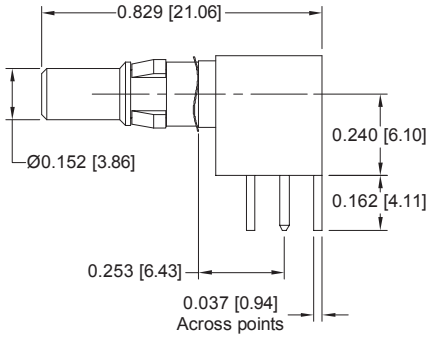


FEMALE CONTACT

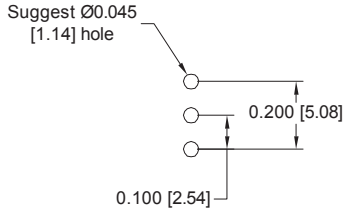


FRT4201D

MALE CONTACT



MRT4201D



CONTACT HOLE PATTERN

For information regarding crimp tool and crimping tool techniques, see Application Tools section, page 82.

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

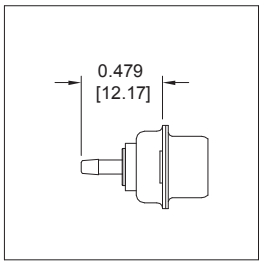
REMOVABLE AIR LINE COUPLERS

FOR USE WITH CBD, CBC, CBCD AND CBDD SERIES CONNECTORS

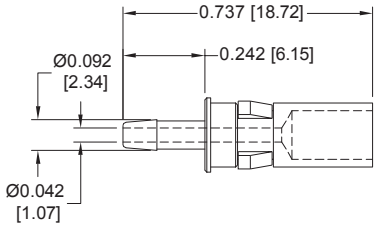
SIZE 8

Note: Connectors can be kitted with all applicable removable contacts, contact Technical Sales for connector part number.

AIR LINE COUPLER CONTACTS REQUIRE JACKSCREWS TO COUPLE MATING CONNECTORS

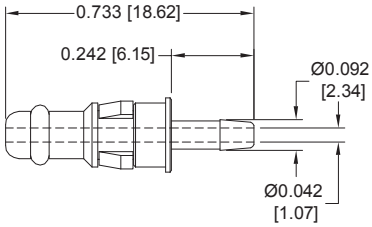


FEMALE CONTACT

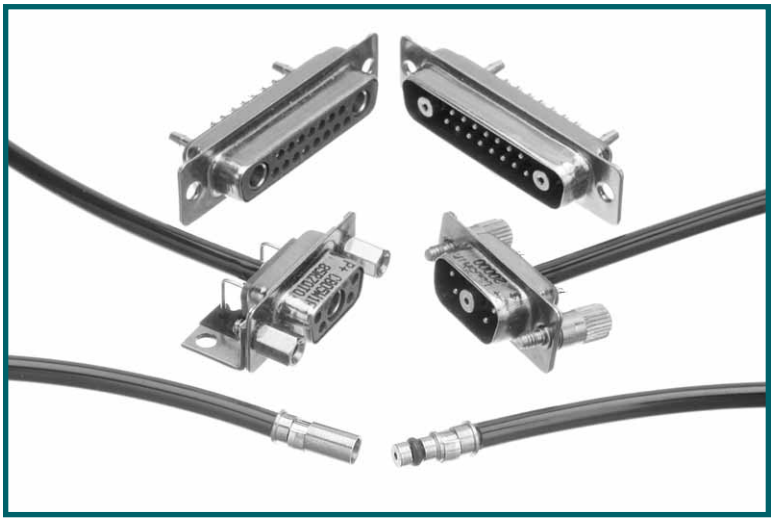


FA4063S

MALE CONTACT



MA4063S



TECHNICAL CHARACTERISTICS

MATERIALS AND FINISHES:

Contacts: Stainless steel

CLIMATIC CHARACTERISTICS:

Temperature Range: -55°C to +125°C.

MECHANICAL CHARACTERISTICS:

Size 8 Removable Contacts: Rear insertion, front release.

CONTACT TECHNICAL SALES FOR MORE INFORMATION!

For information regarding crimp tool and crimping tool techniques, see Application Tools section, page 82.