



## 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	SD	15	F	0	0	0	0	X	/AA	-14
<b>STEP 1 - BASIC SERIES</b> SD series.										
<b>STEP 2 - CONNECTOR VARIANTS</b> 9, 15, 25, 37, 50										
<b>STEP 3 - CONNECTOR GENDER</b> M - Male F - Female										
<b>STEP 4 - CONTACT TERMINATION TYPE</b> 0 - Contacts ordered separately, see page 23. 1 - Crimp, 20 AWG-24 AWG [0.5mm <sup>2</sup> -0.25mm <sup>2</sup> ]. 12 - Crimp, 26 AWG-30 AWG [0.12mm <sup>2</sup> -0.05mm <sup>2</sup> ]. 3 - Solder, Straight Printed Board Mount with 0.125 [3.18] Tail Length. 32 - Solder, Straight Printed Board Mount with 0.188 [4.78] Tail Length.										
<b>*1 STEP 5 - MOUNTING STYLE</b> 0 - Mounting Hole, 0.120 [3.05] Ø. 02 - Mounting Hole, 0.154 [3.91] Ø. F - Float Mounts, Universal. P - Threaded Post, Brass, 0.437 [11.10] Length. P2 - Threaded Post, Nylon, 0.437 [11.10] Length. S - Swaged Spacer, 4-40 Threads, 0.437 [11.10] 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, 0.437 [11.10] Length.										
<b>*1 STEP 6 - HOODS</b> 0 - None. J - Hood, Top Opening, Plastic. L - Hood, Side Opening, Plastic. Y - Hood, Top Opening, Plastic with Rotating Male Jackscrews. Available in size 50 only. Y6 - Hood, Top Opening, Plastic with Rotating Male and Female Polarized Jackscrews. Available in size 50 only. Z - Hood, Top or Side Opening, Robust and Extended Height, Composite and Plastic with Rotating Male Jackscrews. H - Hood, Top Opening, Metal. Available in size 15, 25, 37, and 50 only. G - Hood, EMI/RFI, Die Cast Zinc. AN - Lightweight Aluminum Hood, nickel finish. AC - Lightweight Aluminum Hood, no finish. W - Hood, Top or Side Opening, Plastic. Available in size 9,15, and 25 only.										
<b>STEP 7 - LOCKING AND POLARIZING SYSTEMS</b> 0 - None. *2 V3- Lock Tab, connector front panel mounted. *2 V5- Lock Tab, connector rear panel mounted. *2 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.										
<b>STEP 8 - Shell Options</b> 0 - Zinc Plated, with Chromate Seal. *3 S - Stainless steel, passivated. X - Tin Plated. Z - Tin Plated and Dimpled (male connectors only).										
<b>STEP 9 - ENVIRONMENTAL COMPLIANCE OPTIONS</b> /AA - Compliant per EU Directive 2002/95/EC (RoHS) <b>NOTE:</b> If compliance to environmental legislation is not required, this step will not be used. Example: SD15F0000X										
<b>STEP 10 - SPECIAL OPTIONS</b> -14 - 0.000030 [0.76µ] gold over nickel. -15 - 0.000050 [1.27µ] gold over nickel. <b>CONTACT TECHNICAL SALES FOR SPECIAL OPTIONS</b>										



\*1 For additional information on accessories listed in steps 5, 6 and 7, see Accessory Catalog.  
\*2 VL, V3 and V5 locking systems are not available for connector variants 37 and 50. Jackscrews are highly recommended to minimize damage to contacts on variants with high mating forces.  
\*3 For stainless steel dimpled male versions contact Technical Sales.

**NOTE:** Once you have made a connector selection, contact Technical Sales if you would like to receive a drawing in DXF, PDF format or a 3-dimensional IGES, STEP, or SOLIDWORKS file.

2-D Drawing

3-D Model

For information regarding **CRIMP TOOLS & CRIMPING TOOL TECHNIQUES**, see page 78.

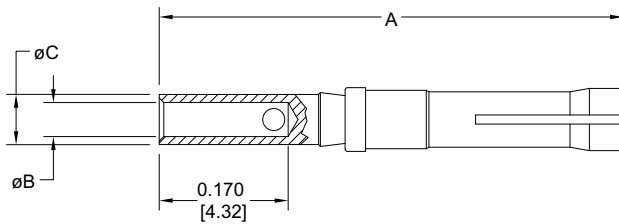


Note: Connectors can be kitted with all applicable crimp contacts, contact Technical Sales for connector part number.

**REMOVABLE CRIMP CONTACTS**  
**CODE 1 AND 12**

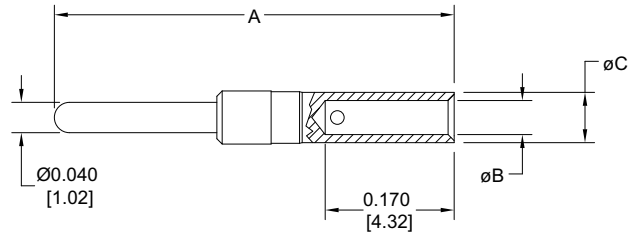
CONTACTS MAY BE SUPPLIED WITH CONNECTOR OR ORDERED SEPARATELY.

**FEMALE CONTACT**



PART NUMBER	WIRE SIZE AWG/[mm <sup>2</sup> ]	A	øB	øC
<b>FC7520D</b>	20 / 22 / 24 [0.5/0.3/0.25]	0.612 [15.54]	0.045 [1.14]	0.066 [1.68]
<b>FC7526D</b>	26 / 28 / 30 [0.12/0.08/0.05]	0.612 [15.54]	0.026 [0.66]	0.066 [1.68]

**MALE CONTACT**



PART NUMBER	WIRE SIZE AWG/[mm <sup>2</sup> ]	A	øB	øC
<b>MC7520D</b>	20 / 22 / 24 [0.5/0.3/0.25]	0.618 [15.70]	0.045 [1.14]	0.066 [1.68]
<b>MC7526D</b>	26 / 28 / 30 [0.12/0.08/0.05]	0.618 [15.70]	0.026 [0.66]	0.066 [1.68]

Note: \*C75\*D contacts can not be used in the RD series.

**PLATING:**

**STANDARD FINISH:** Gold flash over nickel plate.

**OPTIONAL FINISHES:** 0.000030 [0.76 μ] gold over nickel by adding "-14" suffix onto part number. Example: FC7520D-14  
0.000050 inch [1.27μ] gold over nickel by adding "-15" suffix onto part number. Example: MC7526D-15

The crimp area of this contact is not protected when fully seated in the connector molding. These contacts require shrink tubing after installation. Wire cannot be removed from molding after insertion. Not suitable for fully loaded connector.

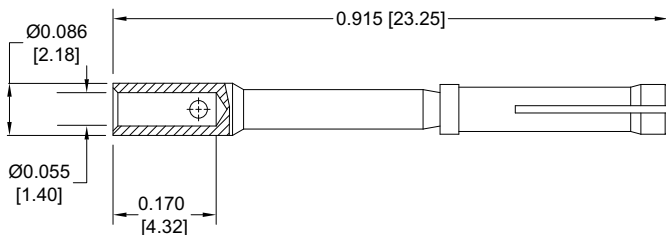
Note: Connectors can be kitted with all applicable crimp contacts, contact Technical Sales for connector part number.

**REMOVABLE CRIMP CONTACTS**  
**18 AWG CRIMP CONTACTS**

18 AWG [1.0mm<sup>2</sup>]

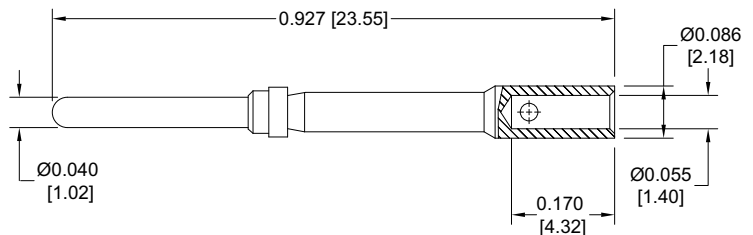
CONTACTS MAY BE SUPPLIED WITH CONNECTOR OR ORDERED SEPARATELY.

**FEMALE CONTACT**



**FC7518D**

**MALE CONTACT**



**MC7518D**

**PLATING:**

**STANDARD FINISH:** Gold flash over nickel plate.

**OPTIONAL FINISHES:** 0.000030 [0.76 μ] gold over nickel by adding "-14" suffix onto part number. Example: FC7518D-14  
0.000050 inch [1.27μ] gold over nickel by adding "-15" suffix onto part number. Example: MC7518D-15

For information regarding **CRIMP TOOLS & CRIMPING TOOL TECHNIQUES**, see page 78.

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