Size 22 Signal and Thermocouple Contacts, Removable Crimp and **Printed Board Mount** 

PosiBand® Closed Entry

MIL-DTL-24308 and SAE AS 39029

**U.L.** Recognized File #E49351

CSA Recognized File #LR54219

**Telecommunication** U.L. File #14098

Densi-D series connectors are military quality, high density connectors designed for use in sheltered, mildly corrosive environments having a wide range of temperature, pressure and humidity changes. Applicable connectors are qualified to MIL-DTL-24308 and SAE AS 39029, see pages 84-94 for listing.

Densi-D series connectors utilize precision machined contacts with closed barrel crimp terminations, solder cup terminations, straight and right angle (90°) printed board mount. All female contacts utilize Positronic's unique PosiBand closed entry design, see page 1 for details.



Six standard contact variants are offered in arrangements of 15, 26, 44, 62, 78 and 104 contacts. Densi-D series connectors are mateable and compatible with other high density D-subminiature connectors conforming to MIL-DTL-24308.

A wide variety of unique accessories are available.



#### DENSI-D SERIES TECHNICAL CHARACTERISTICS

#### **MATERIALS AND FINISHES:**

Insulators: Glass filled polyester per MIL-M-24519, UL

94V-0, blue color.

Contacts: Precision machined copper alloy.

Military performance - 0.000050 inch [1.27 microns] gold over nickel plate. Industrial **Contact Plating:** 

performance - gold flash over nickel plate. Other finishes available upon request.

Shells: Steel or brass with tin plate; zinc plate with

chromate seal, stainless steel passivated. Other materials and finishes available

upon request.

**Mounting Spacers:** Nylon; copper alloy or steel with zinc plate and chromate seal or tin plate; phosphor bronze

with tin plate; stainless steel, passivated. Phosphor bronze or beryllium copper with tin

plate.

Vibration Lock Systems: Slide lock and lock tabs, steel with nickel

plate.

**Jackscrew Systems:** Brass or steel with zinc plate and chromate seal or clear zinc plate or tin plate; stainless steel, passivated.

Hoods: Composite and plastic, UL 94V-0; brass or steel with zinc plate and chromate seal; alu-

minum or aluminum with electroless nickel

plate; die cast zinc.

Non-magnetic versions are available, contact Technical Sales.

#### **MECHANICAL CHARACTERISTICS:**

**Removable Contacts:** Insert contact to rear face of insulator and release from rear face of insulator. Size 22

contacts, male - 0.030 inch [0.76mm] mating diameter. Female contacts - PosiBand closed entry design, see page 1 for details.

**Contact Retention** 

Push-On Fastener:

In Insulator: 9 lbs. [40 N]. **Contact Terminations:** 

Closed barrel crimp, wire sizes 22 AWG [0.3mm²] through 30 AWG [0.05mm²] per IEC

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Right Angle (90°) Printed Board Mount con-

tact terminations.

Male shells may be dimpled for EMI/ESD Shells:

ground paths.

Trapezoidally shaped shells and polarized Polarization:

iackscrews. Jackscrews and riveted fasteners with

Mounting To Angle Brackets: 0.120 inch [3.05mm] clearance hole, and threaded riveted fasteners with 4-40 threads

and nylon lock inserts.

Rapid installation push-on fasteners and

**Mounting To** Printed Board: mounting posts.

**Locking Systems:** Jackscrews and vibration locking systems. **Mechanical Operations:** 1000 operations minimum per IEC 60512-5.

#### **ELECTRICAL CHARACTERISTICS:**

10 amperes, tested per U.L. 1977, six contacts energized. See temperature rise curve on page 2 for details. **Contact Current Rating:** 

Initial Contact Resistance: 0.005 ohms maximum.

**Proof Voltage:** 1000 V rms **Insulator Resistance:** 5 G ohms.

Clearance and Creepage

Distance [minimum]: 0.042 inch [1.06mm].

Working Voltage: 300 V r.m.s.

#### **CLIMATIC CHARACTERISTICS:**

Temperature Range: -55°C to +125°C.

Damp Heat, Steady State: 21 days.

#### THERMOCOUPLE CONTACTS:

Size 22 crimp contacts are available, see page 56 for details.

PCB mount contacts are available, please contact Technical Sales for details.

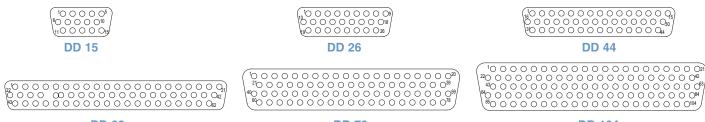
# **DD SERIES**

## MILITARY QUALITY FIXED AND REMOVABLE CONTACTS HIGH DENSITY D-SUBMINIATURE

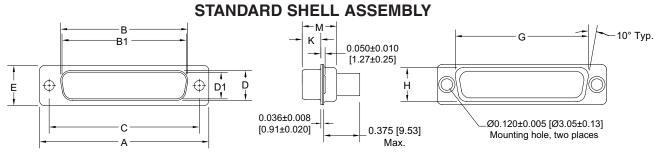


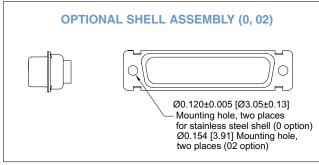
#### **CONTACT VARIANTS**

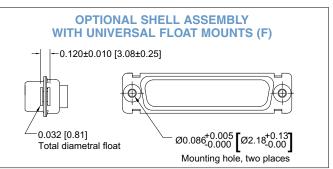
#### FACE VIEW OF MALE OR REAR VIEW OF FEMALE



DD 62 DD 78 DD 104







|                         |                       | i                       |                         |                         | ì                            | 1                       |                         | i                       |                              |                        |                         |
|-------------------------|-----------------------|-------------------------|-------------------------|-------------------------|------------------------------|-------------------------|-------------------------|-------------------------|------------------------------|------------------------|-------------------------|
| CONNECTOR VARIANT SIZES | A<br>±0.015<br>[0.38] | B<br>±0.005<br>[0.13]   | B1<br>±0.005<br>[0.13]  | C<br>±0.005<br>[0.13]   | D<br><u>±0.005</u><br>[0.13] | D1<br>±0.005<br>[0.13]  | E<br>±0.015<br>[0.38]   | G<br>±0.010<br>[0.25]   | H<br><u>±0.010</u><br>[0.25] | K<br>±0.005<br>[0.13]  | M<br>±0.010<br>[0.25]   |
| DD 15 M                 | 1.213<br>[30.81]      |                         | <u>0.666</u><br>[16.92] | <u>0.984</u><br>[24.99] |                              | <u>0.329</u><br>[8.36]  | <u>0.494</u><br>[12.55] | <u>0.759</u><br>[19.28] | <u>0.422</u><br>[10.72]      | <u>0.233</u><br>[5.92] | <u>0.422</u><br>[10.72] |
| DD 15 S                 | 1.213<br>[30.81]      | <u>0.643</u><br>[16.33] |                         | <u>0.984</u><br>[24.99] | <u>0.311</u><br>[7.90]       |                         | <u>0.494</u><br>[12.55] | <u>0.759</u><br>[19.28] | <u>0.422</u><br>[10.72]      | <u>0.243</u><br>[6.17] | <u>0.429</u><br>[10.90] |
| DD 26 M                 | 1.541<br>[39.14]      |                         | <u>0.994</u><br>[25.25] | 1.312<br>[33.32]        |                              | 0.329<br>[8.36]         | <u>0.494</u><br>[12.55] | 1.083<br>[27.51]        | <u>0.422</u><br>[10.72]      | <u>0.233</u><br>[5.92] | <u>0.422</u><br>[10.72] |
| DD 26 S                 | 1.541<br>[39.14]      | <u>0.971</u><br>[24.66] |                         | 1.312<br>[33.32]        | <u>0.311</u><br>[7.90]       |                         | <u>0.494</u><br>[12.55] | 1.083<br>[27.51]        | <u>0.422</u><br>[10.72]      | <u>0.243</u><br>[6.17] | <u>0.429</u><br>[10.90] |
| DD 44 M                 | 2.088<br>[53.04]      |                         | 1.534<br>[38.96]        | 1.852<br>[47.04]        |                              | 0.329<br>[8.36]         | <u>0.494</u><br>[12.55] | 1.625<br>[41.28]        | <u>0.422</u><br>[10.72]      | 0.230<br>[5.84]        | <u>0.426</u><br>[10.82] |
| DD 44 S                 | 2.088<br>[53.04]      | 1.511<br>[38.38]        |                         | 1.852<br>[47.04]        | <u>0.311</u><br>[7.90]       |                         | <u>0.494</u><br>[12.55] | 1.625<br>[41.28]        | <u>0.422</u><br>[10.72]      | 0.243<br>[6.17]        | <u>0.429</u><br>[10.90] |
| DD 62 M                 | 2.729<br>[69.32]      |                         | 2.182<br>[55.42]        | 2.500<br>[63.50]        |                              | 0.329<br>[8.36]         | <u>0.494</u><br>[12.55] | <u>2.272</u><br>[57.71] | <u>0.422</u><br>[10.72]      | 0.230<br>[5.84]        | <u>0.426</u><br>[10.82] |
| DD 62 S                 | 2.729<br>[69.32]      | 2.159<br>[54.84]        |                         | <u>2.500</u><br>[63.50] | <u>0.311</u><br>[7.90]       |                         | <u>0.494</u><br>[12.55] | <u>2.272</u><br>[57.71] | <u>0.422</u><br>[10.72]      | 0.243<br>[6.17]        | <u>0.429</u><br>[10.90] |
| DD 78 M                 | 2.635<br>[66.93]      |                         | 2.079<br>[52.81]        | <u>2.406</u><br>[61.11] |                              | <u>0.441</u><br>[11.20] | <u>0.605</u><br>[15.37] | 2.178<br>[55.32]        | <u>0.534</u><br>[13.56]      | <u>0.230</u><br>[5.84] | <u>0.426</u><br>[10.82] |
| DD 78 S                 | 2.635<br>[66.93]      | 2.064<br>[52.43]        |                         | <u>2.406</u><br>[61.11] | <u>0.423</u><br>[10.74]      |                         | <u>0.605</u><br>[15.37] | <u>2.178</u><br>[55.32] | <u>0.534</u><br>[13.56]      | <u>0.243</u><br>[6.17] | <u>0.429</u><br>[10.90] |
| DD 104 M                | 2.729<br>[69.32]      |                         | <u>2.212</u><br>[56.18] | <u>2.500</u><br>[63.50] |                              | <u>0.503</u><br>[12.78] | <u>0.668</u><br>[16.97] | <u>2.302</u><br>[58.47] | <u>0.596</u><br>[15.14]      | <u>0.230</u><br>[5.84] | <u>0.426</u><br>[10.82] |
| DD 104 S                | 2.729<br>[69.32]      | <u>2.189</u><br>[55.60] |                         | <u>2.500</u><br>[63.50] | <u>0.485</u><br>[12.32]      |                         | <u>0.668</u><br>[16.97] | <u>2.302</u><br>[58.47] | <u>0.596</u><br>[15.14]      | 0.243<br>[6.17]        | <u>0.429</u><br>[10.90] |

### REMOVABLE CRIMP CONTACT CODE 1

CONTACTS MAY BE SUPPLIED WITH CONNECTOR OR ORDERED SEPARATELY.

CLOSED CRIMP BARREL

Nate: Connectors of

### \*MILITARY SPECIFICATION CONTACTS

STANDARD FINISH: 0.000050 inch [1.27µ] gold over nickel.

COLOR CODE:

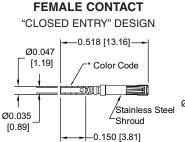
MALE CONTACT:

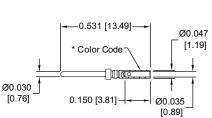
ORANGE/BLUE/WHITE

FEMALE CONTACT:

ORANGE/BLUE/GRAY

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





MALE CONTACT

| FEMALE         | WIRE SIZE                                 |  |  |
|----------------|---|--|--|
| PART NUMBER    | AWG/[mm²]                                 |  |  |
| *M39029/57-354 | 22 / 24 / 26 / 28<br>[0.3/0.25/0.12/0.08] |  |  |

| MALE           | WIRE SIZE                                 |  |  |
|----------------|---|--|--|
| PART NUMBER    | AWG/[mm²]                                 |  |  |
| *M39029/58-360 | 22 / 24 / 26 / 28<br>[0.3/0.25/0.12/0.08] |  |  |

### REMOVABLE CRIMP CONTACT CODE 1

CONTACTS MAY BE SUPPLIED WITH CONNECTOR OR ORDERED SEPARATELY.

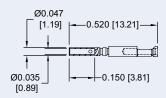


#### **CLOSED CRIMP BARREL**

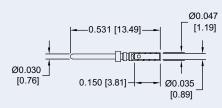
Note: Connectors can be kitted with all applicable crimp contacts, contact Technical Sales for connector part number.

#### **FEMALE CONTACT**

"CLOSED ENTRY" DESIGN



#### MALE CONTACT



| FEMALE      | WIRE SIZE   |  |  |
|-------------|---|--|--|
| PART NUMBER | AWG/[mm²]   |  |  |
| FC8022D2    | 22 / 24 / 26 / 28 / 30<br>[0.3/0.25/0.12/0.08/0.05] |  |  |

| MALE        | WIRE SIZE   |
|-------------|---|
| PART NUMBER | AWG/[mm²]   |
| MC8022D     | 22 / 24 / 26 / 28 / 30<br>[0.3/0.25/0.12/0.08/0.05] |

#### PLATING:

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

OPTIONAL FINISHES: 0.000030 [0.76] gold over nickel by adding "-14" suffix onto part number. Example: FC8022D2-14

0.000050 inch [1.27] gold over nickel by adding "-15" suffix onto part number. Example: MC8022D-15

For information regarding crimp tool and crimping tool techniques, see Application Tools section, pages 78-83.



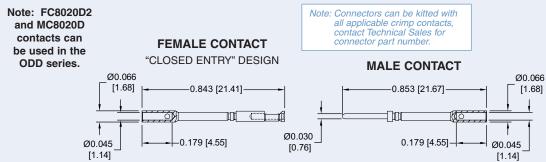


#### REMOVABLE CRIMP CONTACT **20 AWG CONTACTS**

20 AWG [0.5 mm<sup>2</sup>]

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

#### CONTACTS MAY BE SUPPLIED WITH CONNECTOR OR ORDERED SEPARATELY.



Crimp area extends above connector molding.

| FEMALE      | WIRE SIZE    |  |  |
|-------------|--------------|--|--|
| PART NUMBER | AWG/[mm²]    |  |  |
| FC8020D2    | 20 [0.5] max |  |  |

| MALE        | WIRE SIZE    |  |  |
|-------------|--------------|--|--|
| PART NUMBER | AWG/[mm²]    |  |  |
| MC8020D     | 20 [0.5] max |  |  |

#### **PLATING:**

STANDARD FINISH: Gold flash over nickel plate.

OPTIONAL FINISHES: 0.000030 [0.76] gold over nickel by adding "-14" suffix onto part number. Example: FC8020D2-14 0.000050 inch [1.27] gold over nickel by adding "-15" suffix onto part number. Example: MC8020D-15

#### REMOVABLE THERMOCOUPLE CRIMP CONTACT

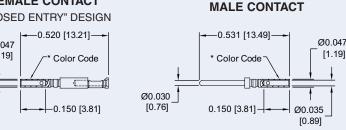
CONTACTS MAY BE SUPPLIED WITH CONNECTOR OR ORDERED SEPARATELY.

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



#### "CLOSED ENTRY" DESIGN 0.520 [13.21] Ø0.047 [1.19] Color Code **€**----

FEMALE CONTACT



| TYPE | MATERIAL       | FEMALE<br>PART NUMBER | MALE<br>PART NUMBER | COLOR<br>CODE* | WIRE SIZE<br>AWG [mm²]               |
|------|----------------|-----------------------|---------------------|----------------|--------------------------------------|
| ĸ    | CHROMEL (+)    | FC8022D2CH            | MC8022DCH           | WHITE          | 22 / 24 / 26<br>[ 0.3 / 0.25 / 0.12] |
|      | ALUMEL (-)     | FC8022D2AL            | MC8022DAL           | GREEN          | 22 / 24 / 26<br>[ 0.3 / 0.25 / 0.12] |
| т    | COPPER (+)     | FC8022D2CU            | MC8022DCU           | RED            | 22 / 24 / 26<br>[ 0.3 / 0.25 / 0.12] |
| '    | CONSTANTAN (-) | FC8022D2CO            | MC8022DCO           | YELLOW         | 22 / 24 / 26<br>[ 0.3 / 0.25 / 0.12] |
| E    | CHROMEL (+)    | FC8022D2CH            | MC8022DCH           | WHITE          | 22 / 24 / 26<br>[ 0.3 / 0.25 / 0.12] |
| -    | CONSTANTAN (-) | FC8022D2CO            | MC8022DCO           | YELLOW         | 22 / 24 / 26<br>[ 0.3 / 0.25 / 0.12] |

Ø0 035

[0.89]

For more information on the availability of Type J thermocouple contacts, please contact Technical Sales.

[1.19]

For more information about thermocouple contacts with PCB solder termination, please contact Technical Sales..

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For information regarding crimp tool and crimping tool techniques, see Application Tools section, pages 78-83.

### REMOVABLE SOLDER CUP CONTACTS CODE 2

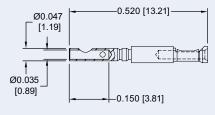
CONTACTS MAY BE SUPPLIED WITH CONNECTOR OR ORDERED SEPARATELY.



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

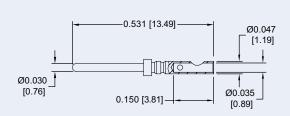
#### **FEMALE CONTACT**

"CLOSED ENTRY" DESIGN



| FEMALE      | WIRE SIZE    |  |  |
|-------------|--------------|--|--|
| PART NUMBER | AWG/[mm²]    |  |  |
| FS8022D2    | 20 [0.5] max |  |  |

#### **MALE CONTACT**



| MALE        | WIRE SIZE    |  |  |
|-------------|--------------|--|--|
| PART NUMBER | AWG/[mm²]    |  |  |
| MS8022D     | 20 [0.5] max |  |  |

#### **PLATING:**

STANDARD FINISH: Gold flash over nickel plate.

**OPTIONAL FINISHES:** 0.000030 [0.76] gold over nickel by adding "-14" suffix onto part number. Example: FS8022D2-14 0.000050 inch [1.27] gold over nickel by adding "-15" suffix onto part number. Example: MS8022D-15

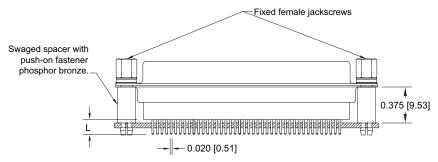
For information regarding crimp tool and crimping tool techniques, see Application Tools section, pages 78-83.

#### STRAIGHT PRINTED BOARD MOUNT CONNECTORS

**CODE 3, 32 AND 33** 

|   | CODE<br>NUMBER | L                       |
|---|----------------|-------------------------|
|   | 3              | <u>0.150</u><br>[3.81]  |
|   | 32             | <u>0.300</u><br>[7.62]  |
| × | 33             | <u>0.500</u><br>(12.70] |

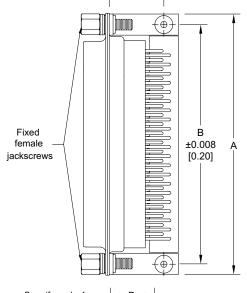
For straight printed board mount contacts specify code no. in step 4 of ordering information.



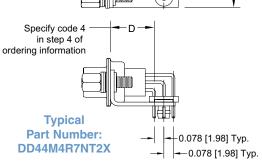
Typical Part Number: DD62S3S60T2X

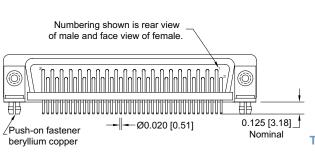


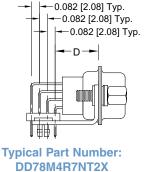
#### RIGHT ANGLE (90°) PRINTED BOARD MOUNT CONNECTOR **CODE 4, 0.450 [11.43] CONTACT EXTENSION**



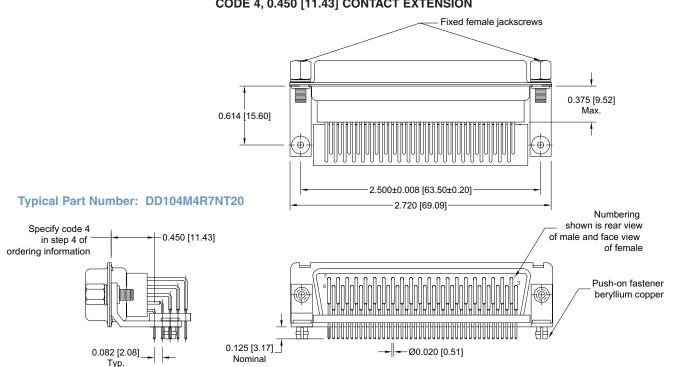
| DD**4R7*** 0.450 [11.43] CONTACT EXTENSION |              |              |              |              |  |  |
|--|--------------|--------------|--------------|--------------|--|--|
| PART NUMBER                                | Α            | В            | С            | D            |  |  |
| DD15*4R7***                                | 1.204        | <u>0.984</u> | <u>0.528</u> | <u>0.450</u> |  |  |
|  | [30.58]      | [24.99]      | [13.41]      | [11.43]      |  |  |
| DD26*4R7***                                | 1.532        | 1.312        | <u>0.528</u> | <u>0.450</u> |  |  |
|  | [38.91]      | [33.32]      | [13.41]      | [11.43]      |  |  |
| DD44*4R7***                                | 2.072        | 1.852        | <u>0.528</u> | <u>0.450</u> |  |  |
|  | [52.63]      | [47.04]      | [13.41]      | [11.43]      |  |  |
| DD62*4R7***                                | <u>2.720</u> | 2.500        | <u>0.528</u> | <u>0.450</u> |  |  |
|  | [69.09]      | [63.50]      | [13.41]      | [11.43]      |  |  |
| DD78*4R7***                                | <u>2.626</u> | <u>2.406</u> | <u>0.573</u> | <u>0.450</u> |  |  |
|  | [66.70]      | [61.11]      | [14.55]      | [11.43]      |  |  |







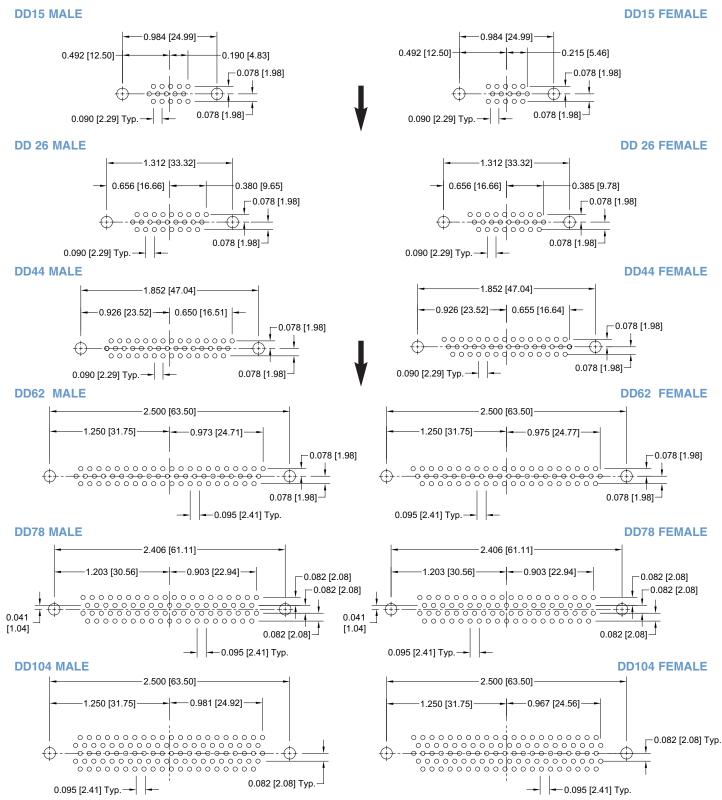
#### RIGHT ANGLE (90°) PRINTED BOARD MOUNT CONNECTOR, SIZE 104 **CODE 4, 0.450 [11.43] CONTACT EXTENSION**



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#### RIGHT ANGLE (90°) AND STRAIGHT PRINTED BOARD CONTACT HOLE PATTERN

MOUNT CONNECTOR WITH MATING FACE POSITIONED TO FOLLOW DIRECTION OF ARROWS.





#### 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  | DD | 62 | S | 4 | R7 | N      | T6  | S   | /AA              | -50  |  |
| STEP 1 - BASIC SERIES DD series  |    |    |   |   |    |        |   |   |                  | STEP 10 - SPECIAL OPTIONS -14 - 0.000030 [0.76µ] gold over nickel.   |  |
| <b>STEP 2 - CONNECTOR VARIANTS</b> 15, 26, 44, 62, 78, 104   |    |    |   |   |    |        |   |   |                  | -15 - 0.000050 [1.27μ] gold over<br>nickel.<br>-50 - 0.000050 [1.27μ] gold over<br>copper.   |  |
| M - Male S - Female - PosiBand closed entry contacts  STEP 4 - CONTACT TERMINATION TYPE  |    |    |   |   |    |        | CONTACT TECHNICAL SALES FOR ORDERING DETAILS OF THE FOLLOWING: Other Special Requirements. Straight and Right Angle (90°) Thermocouple PCB mount con  |   |                  |  |  |
| <ol> <li>Ordered without contacts.</li> <li>Crimp, 22 AWG-30 AWG [0.3mm²-0.05mm²].</li> <li>Solder cup, 22 AWG-30 AWG [0.3mm²-0.05mm²].</li> <li>Solder, Straight Printed Board Mount with 0.150 [3.81] Tail Length.</li> <li>Solder, Straight Printed Board Mount with 0.300 [7.62] Tail Length.</li> <li>Solder, Straight Printed Board Mount with 0.500 [12.70] Tail Length.</li> <li>Solder, Right Angle (90°) Printed Board Mount with 0.450 [11.43] Contact Extension.</li> </ol>  |    |    |   |   |    |        |   | So Co   | legisla<br>be us | STEP 9 - ENVIRONMENTAL COMPLIANCE OPTIONS  /AA - Compliant per EU Directive 2002/95/EC (RoHS)  E: If compliance to environmental ation is not required, this step will not ed. Example: DD62S4R7NT6S  LL OPTIONS |  |
| **1 STEP 5 - MOUNTING STYLE  0 - Mounting Hole, 0.120 [3.05] Ø.  02 - Mounting Hole, 0.154 [3.91] Ø.  B3 - Bracket, Mounting, Right Angle (90°) Metal with Cross Bar.  B8 - Bracket, Mounting, Right Angle (90°) Plastic with Cross Bar.  F - Float Mounts, Universal.  P - Threaded Post, Brass, 0.375 [9.53] Length.  P2 - Threaded Post, Nylon, 0.375 [9.53] 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. |    |    |   |   |    |        | 0 -<br>*3 V3 -<br>*3 V5 -<br>*3 VL -<br>T -<br>T2 -   | 0 - Zinc plated with chromate seal.  *3 S - Stainless steel, passivated.     X - Tin plated.     Z - Tin plated and dimpled (male connectors only).     C - Cadmium with chromate seal.  *1 STEP 7 - LOCKING AND POLARIZING SYSTEMS  0 - None.  *3 V3 - Lock Tab, connector front panel mounted.  *3 V5 - Lock Tab, connector rear panel mounted.  *3 VL - Lock Lever, used with Hoods only.     T - Fixed Female Jackscrews.  T2 - Fixed Female Jackscrews.  T3 - Fixed Female Jackscrews. |                  |  |  |
| 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, 0.375 [9.53] Length. S2 - Swaged Spacer, 4-40 Threads, 0.125 [3.18] Length.   |    |    |   |   |    | *1 STE | 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 For additional information on accessories listed in steps 5, 6 and 7, see

Inductor, 4-40 Threads, 0.515 [13.08] Length.

Swaged Spacer with Push-on Fasteners, 4-40 Threads, 0.375

- Swaged Spacer with Push-on Fastener for use with Ferrite

Accessory Catalog. \*2 Ferrite inductor is available on contact types 32 only. For more information on ferrite inductors, see page 7.

\*3 VL, V3 and V5 locking systems are not available for connector variants 62, 78 and 104. Jackscrews are highly recommended to minimize damage to contacts on variants with high mating forces.

\*4 For stainless steel dimpled male versions contact Technical Sales.

For crimping information and crimp tools, see Application Tools section, pages 78-83.

S5 - Swaged Locknut, 4-40 Threads.

[9.53] Length.

#### \*1 STEP 6 - HOODS AND PUSH-ON FASTENERS

- 0 None.
- J Hood, Top Opening, Plastic.
- L Hood, Side Opening, Plastic.
- Y Hood, Top Opening, Plastic with Rotating Male Jackscrews. Available in size 78 and 104 only.
- Y6 Hood, Top Opening, Plastic with Rotating Male and Female Polarized Jackscrews. Available in size 78 and 104 only.
- Z Hood, Top or Side Opening, Robust and Extended Height, Composite and Plastic with Rotating Male Jackscrews. Available in size 15, 26, 44, 62, and 78 only.
- H Hood, Top Opening, Metal. Available in size 26, 44, 62, and 78 only.
- G Hood, EMI/RFI, Metal.
- AN Lightweight Aluminum Hood, nickel finish.
- AC Lightweight Aluminum Hood, no finish.
- W Hood, Top or Side Opening, Plastic. Available in size 15, 26, and 44 only.
- N Push-on Fastener, for Right Angle (90°) Mounting Brackets.
- \*2 F Ferrite Inductor