



Positronic Industries
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PROFESSIONAL, INDUSTRIAL AND MILITARY QUALITY
THREE PERFORMANCE LEVELS FOR BEST COST/PERFORMANCE RATIO
STANDARD DENSITY PCB MOUNT

Combo-D
D-Sub

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 – 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].

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 Accessory Catalog for extended G hood options.
- *4 For stainless steel dimpled male versions, contact Technical Sales.

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

***2 STEP 10 - SPECIAL OPTIONS**

FOR SPECIAL OPTIONS, SEE SPECIAL OPTIONS APPENDIX ON PAGE 89.

CONTACT TECHNICAL SALES FOR ORDERING DETAILS OF THE FOLLOWING:

Other Special Requirements.
Straight / Right Angle Thermocouple PCB mount contacts.



STEP 9 - ENVIRONMENTAL COMPLIANCE OPTIONS

/AA - Compliant per EU Directive 2002/95/EC (RoHS)

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

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).

***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.

***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, Metal, shell sizes 1 through 6
- 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
- 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, 0.250 [6.35] Length
- P2 – Threaded Post, Nylon, 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, 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

CBD/CBM SERIES