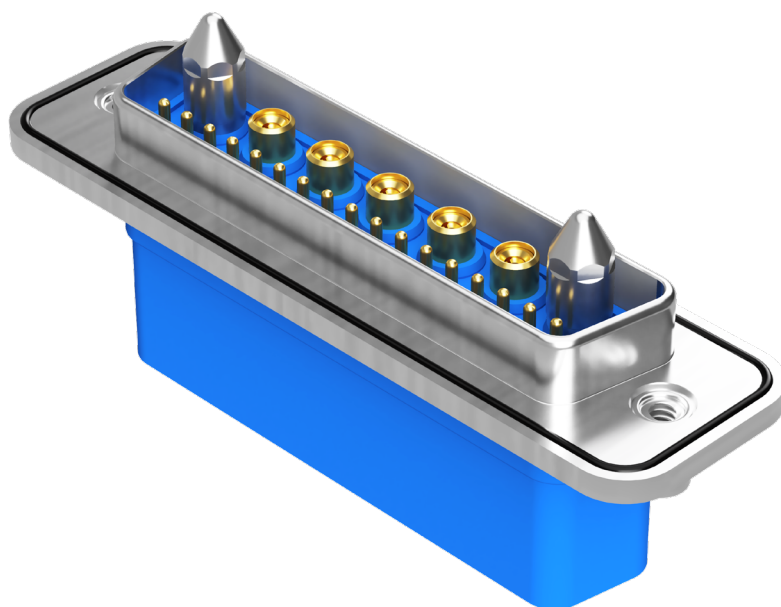


INTEGRAL BLIND MATE GUIDES

SIZE 8, FOR USE WITH MIXED DENSITY D-SUB CONNECTORS, INCLUDING MACH-D

FEATURES

- Up to 2 mm (0.079") misalignment allowance
- Designed for easy installation
- Smaller footprint than traditional float plate blind mate systems
- Compatible with crimp, solder cup, straight and right angle board mount contact terminations



TECH SPECS

GENERAL

Part Number Prefix	CBD / CBM / CBC / CBDD / CBCD / MCBX
RoHS Compliance	Compliant when /AA suffix is applied

MATERIAL AND FINISHES

Male Guide Material	Stainless steel*
Male Guide Plating	Passivated
Plug Material	Nylon**

MECHANICAL

Contact Size	Fits size 8 male position
Female Contact Design	Mates with size 8 empty female position
Contact Termination	Compatible with crimp; solder cup; straight board mount; right-angle board mount
Mating Cycles	500
Blind Mating Allowance	2.00 [.079] misalignment blind mating
Shock & Vibration	IAW MIL-DTL-24308

ENVIRONMENTAL

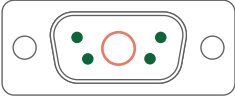
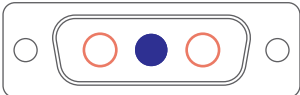
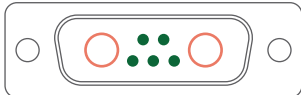
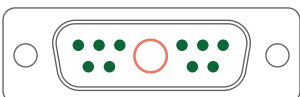
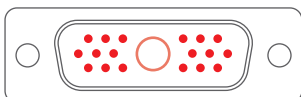
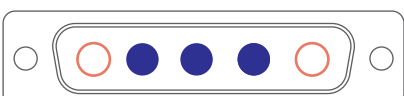
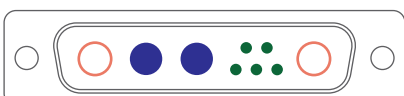
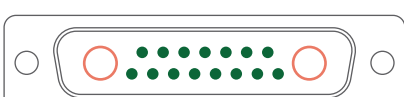
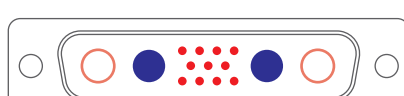
Operating Temperature	-55 to 125°C
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* Contact Technical Sales for low-magnetism

** Contact Technical Sales for low-outgassing

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

Connectors shown at actual size. Face view of male or rear view of female shown. All Positronic products utilize solid, machined contacts. Contact Technical Sales for use with other contact layouts.

CBD, CBM, CBC, CBDD, CBHD, CBCD, MCBX		SIZE	CBD, CBM, CBC, CBDD, CBHD, CBCD, MCBX	
	Terminations: 0, 1, 2, 21, 3, 4, 5, 7	1		
	Terminations: All	2		
			Terminations: 0, 1, 2, 21, 3, 4, 5, 7	
			7W2 (2) Guides, (5) #20	
	Terminations: 0, 1, 2, 21, 3, 4, 5, 7	2		
			Terminations: 0, 1, 2, 21, 3, 4, 5, 7	
			19W1 (1) Guide, (18) #22	
	Terminations: All	3		
			Terminations: All	
			9W4 (2) Guides, (2) #8, (5) #20	
	Terminations: All	3		
			Terminations: 0, 1, 2, 21, 3, 4, 5, 7	
			17W2 (2) Guides, (15) #20	
	Terminations: 0, 1, 2, 21, 3, 4, 5, 7	3		
			Terminations: All	
			15W4 (2) Guides, (2) #8, (11) #22	

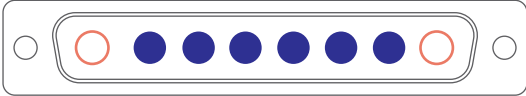
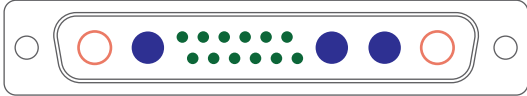
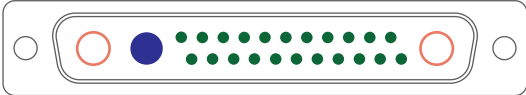
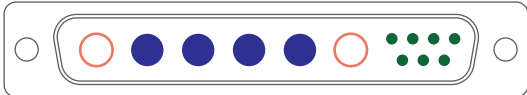
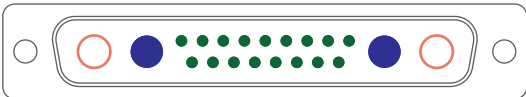
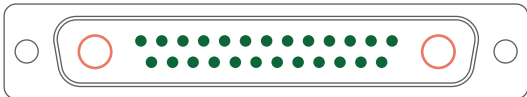
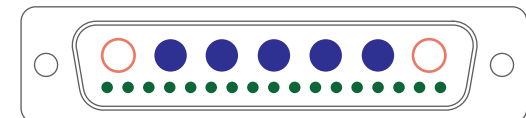
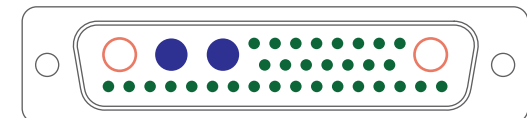
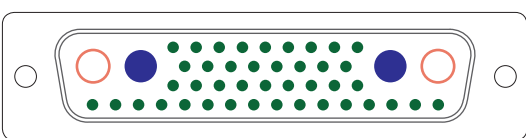
INTEGRAL BLIND MATE GUIDES	CONTACT SIZE		
	#8	#20	#22
			

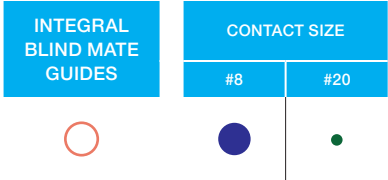
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Connectors shown at actual size. Face view of male or rear view of female shown. All Positronic products utilize solid, machined contacts. Contact Technical Sales for use with other contact layouts.

Scale 1:1

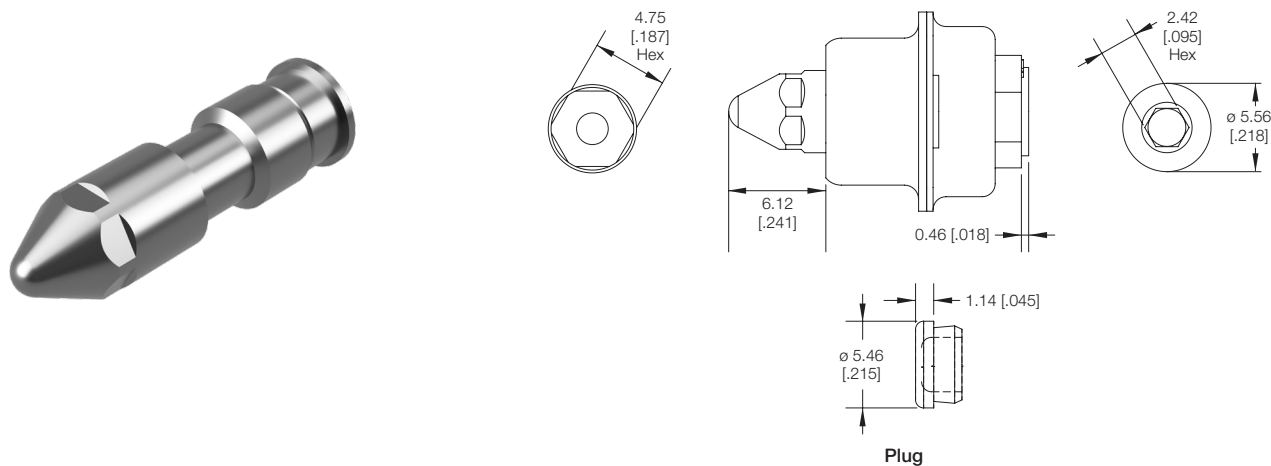
Layouts

CBD, CBM, CBC, CBDD, CBHD, CBCD, MCBX	SIZE	CBD, CBM, CBC, CBDD, CBHD, CBCD, MCBX
	4	
Terminations: All 8W8 (2) Guides, (6) #8		Terminations: All 17W5 (2) Guides, (3) #8, (12) #20
		
Terminations: All 25W3 (2) Guides, (1) #8, (22) #20	5	
Terminations: All 21WA4 (2) Guides, (2) #8, (17) #20		
		
Terminations: All 24W7 (2) Guides, (5) #8, (17) #20	6	Terminations: All 36W4 (2) Guides, (2) #8, (32) #20
		
Terminations: All 46W4 (2) Guides, (2) #8, (42) #20		



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

Connector shown for illustrative purposes only. Connector sold separately.

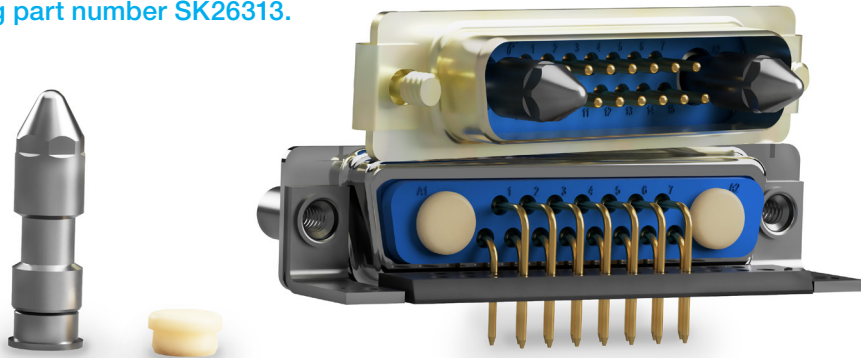


Factory-installed blind mate ordering information

SERIES*	Connector Variant	Gender	Termination Type Available	MOS	Description	Part Number
CBD, CBM, CBC, CBDD, CBHD, CBCD, MCBX	See pages 2 and 3 for layout options	Male (M)	All	2930	Install blind mate guide in two outermost size 8 contact positions. If only one position is available, install one blind mate guide.	CBC17W5M1100E0/AA-2930
CBD, CBM, CBC, CBDD, CBHD, CBCD, MCBX	See pages 2 and 3 for layout options	Female (F or S)	All	2931	Insert plugs into the two outermost size 8 contact positions on the rear of the connector. If only one position is available, install one plug.	CBC17W5S55R60T20/AA-2931

* Integral Blind Mate Guides are designed for use with Positronic Combo-D and mixed-density Mach-D connectors. They have not been evaluated for compatibility with other manufacturers' products.

Order the guide and plug kit separately using part number SK26313.



DIMENSIONS ARE IN MILLIMETERS [INCHES].
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The use of blind mating hardware on D-Sub connectors can create functional challenges within the application and therefore requires additional mechanical design rigor. Be aware that system tolerances must be exact and mating force allowances may need to be higher than expected. Customers should qualify the use of this option in their particular application.

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