



# COTS Micro-D Vertical Mount (Straight) Printed Circuit Board Connectors Metal Shell, .100 Inch Pitch

- .100 Inch by .100 Inch Grid
- .020 Inch Diameter Pre-Tinned Tails
- Environmentally Sealed
- 9 through 100 Contacts

See Appendix for layout information.



## RELATED INFORMATION

Performance Specifications	IBC*
Materials and Finishes	IBC*
Contact Arrangements	7-8
Panel Cutouts, Mounting Dimensions	9

\* Available on the Inside Back Cover Fold-Out

## HOW TO ORDER

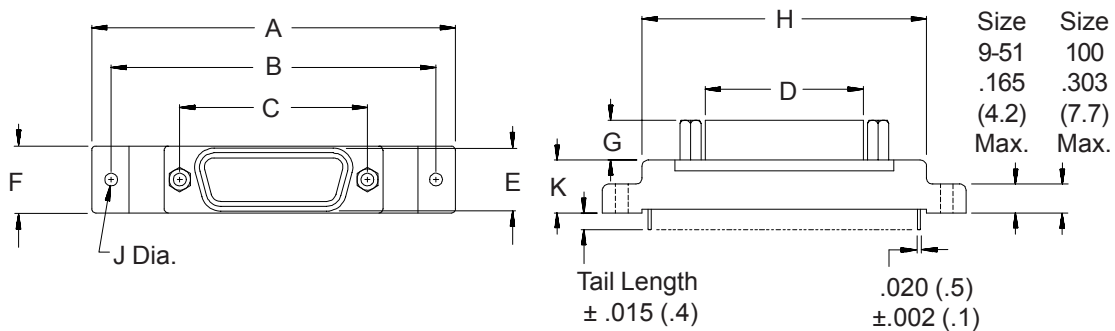
Conn. Series	Shell Plating Table III*	Insert Material Table I*	No. of Contacts	Contact Type	Termination Style	Jackpost Option	Threaded Insert Option	Tail Length
MWDM	1 – Cadmium	L – LCP (Liquid Crystal Polymer)	9	P – Pin S – Socket	BS - Vertical Mount (Straight)	P R1 R2 R3 R4 (See Table Below) (Omit for None)	T - Threaded Insert in Board Mount Hole (Omit for None)	.110
	2 – Nickel		15					.150
	4 – Black Anodize		21					.190
	5 – Gold		25					.250
	6 – Chem Film		31					Other Lengths Available Upon Request
			37					
			51					
	100							
<b>Sample Part Number:</b>								
MWDM	1	L	— 51	P	BS	P	T —	.110

\* SEE INSIDE BACK COVER FOLD-OUT FOR COMPLETE INFORMATION

## JACKPOST OPTION

- |   |   |
|---|---|
| <b>P</b> - Standard Jackpost, Non-Removable           | <b>R3</b> - Jackpost for Rear-Mounting to .062" Panel |
| <b>R1</b> - Jackpost for Rear-Mounting to .032" Panel | <b>R4</b> - Jackpost for Rear-Mounting to .093" Panel |
| <b>R2</b> - Jackpost for Rear-Mounting to .047" Panel | OMIT FOR NONE   |

# COTS Micro-D Vertical Mount (Straight) Printed Circuit Board Connectors Metal Shell, .100 Inch Pitch



## DIMENSIONS

Layout	A Max	B ± .007 (0.2)	C ± .005 (0.1)	D Max	E Ref
9P	1.390 (35.3)	1.150 (29.2)	.565 (14.4)	.333 (8.5)	.185 (4.7)
9S	1.390 (35.3)	1.150 (29.2)	.565 (14.4)	.400 (10.2)	.245 (6.2)
15P	1.390 (35.3)	1.150 (29.2)	.715 (18.2)	.483 (12.3)	.185 (4.7)
15S	1.390 (35.3)	1.150 (29.2)	.715 (18.2)	.551 (14.0)	.245 (6.2)
21P	1.690 (42.9)	1.450 (36.8)	.865 (22.0)	.633 (16.1)	.185 (4.7)
21S	1.690 (42.9)	1.450 (36.8)	.865 (22.0)	.701 (17.8)	.245 (6.2)
25P	1.740 (44.2)	1.500 (38.1)	.965 (24.5)	.733 (18.6)	.185 (4.7)
25S	1.740 (44.2)	1.500 (38.1)	.965 (24.5)	.801 (20.3)	.245 (6.2)
31P	2.040 (51.8)	1.800 (45.7)	1.115 (28.3)	.883 (22.4)	.185 (4.7)
31S	2.040 (51.8)	1.800 (45.7)	1.115 (28.3)	.951 (24.1)	.245 (6.2)
37P	2.340 (59.4)	2.100 (53.3)	1.265 (32.1)	1.033 (26.2)	.185 (4.7)
37S	2.340 (59.4)	2.100 (53.3)	1.265 (32.1)	1.101 (27.9)	.245 (6.2)
51P	2.280 (57.9)	2.000 (50.8)	1.215 (30.9)	.983 (25.0)	.230 (5.8)
51S	2.280 (57.9)	2.000 (50.8)	1.215 (30.9)	1.051 (26.7)	.290 (7.4)
100P	3.250 (82.6)	2.800 (71.1)	1.800 (45.7)	1.383 (35.1)	.271 (6.9)
100S	3.250 (82.3)	2.800 (71.1)	1.800 (45.7)	1.451 (36.9)	.330 (8.4)

Layout	F Max	G Max	H Max	J Dia. ± .005 (0.1)	K Max
9P	.308 (7.8)	.186 (4.7)	.885 (22.5)	.096 (2.4)	.355 (9.0)
9S	.308 (7.8)	.204 (5.2)	.885 (22.5)	.096 (2.4)	.355 (9.0)
15P	.308 (7.8)	.186 (4.7)	.945 (24.0)	.096 (2.4)	.355 (9.0)
15S	.308 (7.8)	.204 (5.2)	.945 (24.0)	.096 (2.4)	.355 (9.0)
21P	.308 (7.8)	.186 (4.7)	1.185 (30.1)	.096 (2.4)	.355 (9.0)
21S	.308 (7.8)	.204 (5.2)	1.185 (30.1)	.096 (2.4)	.355 (9.0)
25P	.308 (7.8)	.186 (4.7)	1.275 (32.4)	.096 (2.4)	.355 (9.0)
25S	.308 (7.8)	.204 (5.2)	1.275 (32.4)	.096 (2.4)	.355 (9.0)
31P	.308 (7.8)	.186 (4.7)	1.575 (40.0)	.096 (2.4)	.355 (9.0)
31S	.308 (7.8)	.204 (5.2)	1.575 (40.0)	.096 (2.4)	.355 (9.0)
37P	.308 (7.8)	.186 (4.7)	1.875 (47.6)	.096 (2.4)	.355 (9.0)
37S	.308 (7.8)	.204 (5.2)	1.875 (47.6)	.096 (2.4)	.355 (9.0)
51P	.351 (8.9)	.186 (4.7)	1.775 (45.1)	.096 (2.4)	.355 (9.0)
51S	.351 (8.9)	.204 (5.2)	1.775 (45.1)	.096 (2.4)	.355 (9.0)
100P	.460 (11.7)	.186 (4.7)	2.585 (40.3)	.145 (3.7)	.550 (14.0)
100S	.460 (11.7)	.204 (5.2)	2.585 (40.3)	.145 (3.7)	.550 (14.0)

Metric dimensions (mm) are indicated in parentheses.