M83513/13 Connector Datasheet

MD Series • MIL-DTL-83513 Micro-D Style Connectors



Image for Illustrative Purposes Only

MDP4 - N 25 Y 1 - B

1 2 3 4 5 6

1 BASIC PART NUMBER

MDP4	Condensed 90-degree PCB Micro-D

2 MATERIAL & FINISH

N*	Aluminum, electroless nickel
C	Aluminum, cadmium
P	Stainless steel, passivated
G	Aluminum, electroless nickel (space-grade)

3 CONTACT AMOUNT

9, 15, 21, 25, 31, 37

4 CONTACT STYLE

Y	PC tail socket

5 CONTACT TAIL LENGTH‡

1	.109 inches (2.77 mm)
2	.140 inches (3.56 mm)
3	.172 inches (4.37 mm)

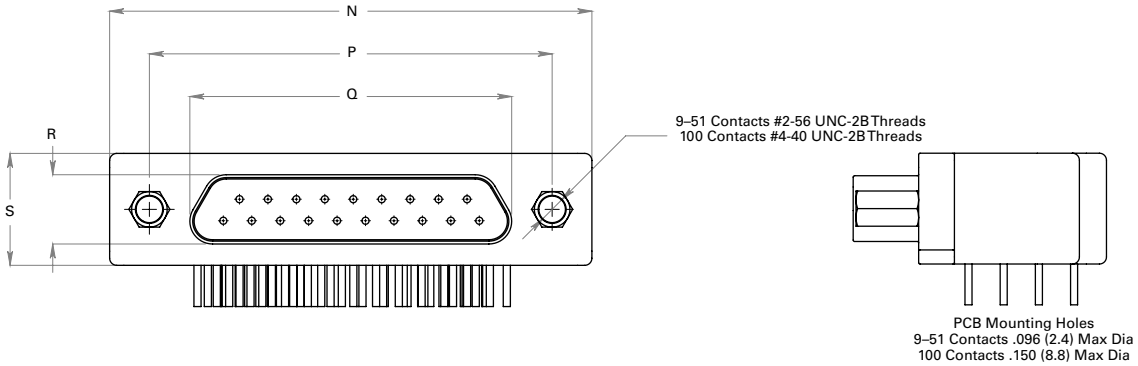
6 MOUNTING HARDWARE

B	No hardware (thru-hole only)
P	Jackpost attached
H	Threaded insert
W	Jackpost attached and threaded insert

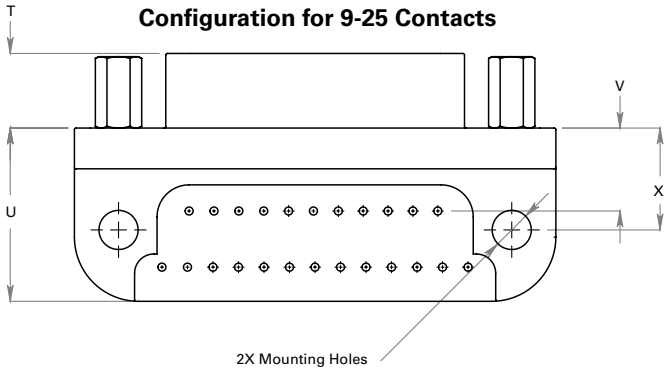
*Aerospace preferred. ‡Tail length tolerance ± 0.015 inches (.38 mm).

MDP4 Cross-Reference & Compatibility

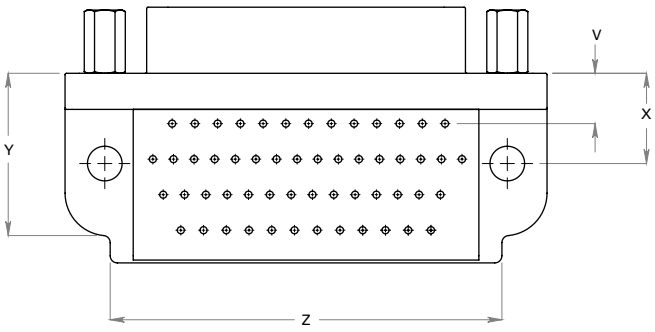
Compatible Brands	Equivalents
MIL-DTL-83513	M83513/13
Glenair	MWDM
Amphenol	Series 100
ITT Cannon	MDM Series



Configuration for 9-25 Contacts



Configuration for 31-100 Contacts



Receptacle Dimensions

Shell Size	N	P	Q	R	S	T	U	V	X	Y	Z
9S	0.787 (19.9)	0.565 (14.4)	0.400 (10.2)	0.250 (6.4)	0.310 (7.9)	0.195 (5.0)	0.425 (10.8)	0.230 (5.8)	0.250 (6.4)		
15S	0.937 (23.8)	0.715 (18.2)	0.551 (14.0)	0.250 (6.4)	0.310 (7.9)	0.195 (5.0)	0.425 (10.8)	0.130 (3.3)	0.250 (6.4)		
21S	1.087 (27.6)	0.865 (22.0)	0.701 (17.8)	0.250 (6.4)	0.310 (7.9)	0.195 (5.0)	0.425 (10.8)	0.130 (3.3)	0.250 (6.4)		
25S	1.187 (30.0)	0.965 (24.5)	0.801 (20.4)	0.250 (6.4)	0.310 (7.9)	0.195 (5.0)	0.425 (10.8)	0.130 (3.3)	0.250 (6.4)		
31S	1.337 (33.9)	1.115 (28.3)	0.951 (24.2)	0.250 (6.4)	0.310 (7.9)	0.195 (5.0)	0.525 (13.3)	0.130 (3.3)	0.250 (6.4)	0.450 (11.4)	1.085 (27.6)
37S	1.487 (37.7)	1.265 (32.1)	1.101 (28.0)	0.250 (6.4)	0.310 (7.9)	0.195 (5.0)	0.525 (13.3)	0.130 (3.3)	0.250 (6.4)	0.450 (11.4)	1.185 (30.1)

Dimensions are in inches (mm).

Mounting Hardware

B	P	H	W
			

Materials & Finish

Connector Shell, Metal:	Aluminum Alloy 6061 In Accordance Wtith SAE-AMS-QQ-A-250/11 Code C: Cadmium With Yellow Chromate Conversion Coating in Accordance With SAE-AMS-QQ-P-416, Type II, Class 3 Code N: Electroless Nickel In Accordance With SAE-AMS-26074, Class 3 Code P: Stainless Steel, 300 Series, Passivated In Accordance With SAE-AMS-QQ-P-35
Insulator:	Liquid Crystal Polymer, 30% Glass-Filled, in Accordance With MIL-M-24519
Encapsulant (Potting):	Epoxy Resin, Hysol EE4215/HD3561