

M83513/24 Connector Datasheet

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



Image for Illustrative Purposes Only

MDP1 Cross-Reference & Compatibility

Compatible Brands	Equivalents
MIL-DTL-83513	M83513/24
Glenair	MWDM
Amphenol	Series 100
ITT Cannon	MDM Series

MDP1 - N 100 X 1 - B

1 2 3 4 5 6

1 BASIC PART NUMBER

MDP1 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

100

4 CONTACT STYLE

X PC tail pin

5 CONTACT TAIL LENGTH*

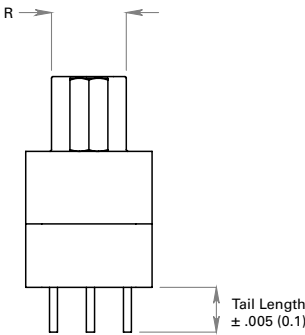
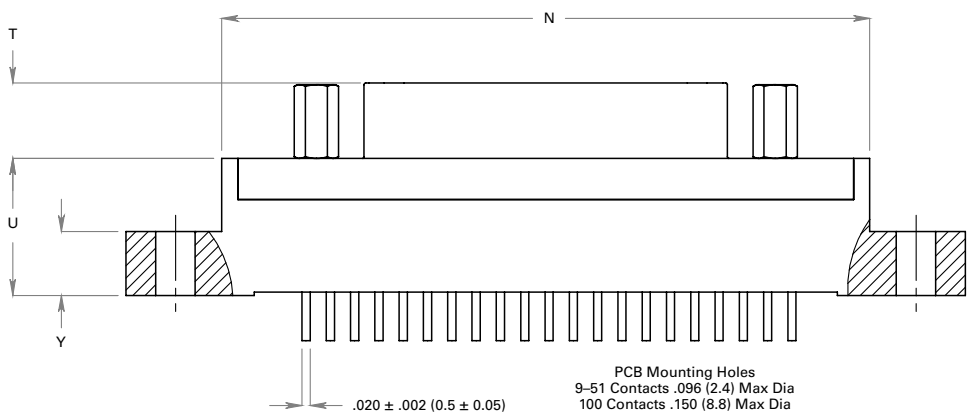
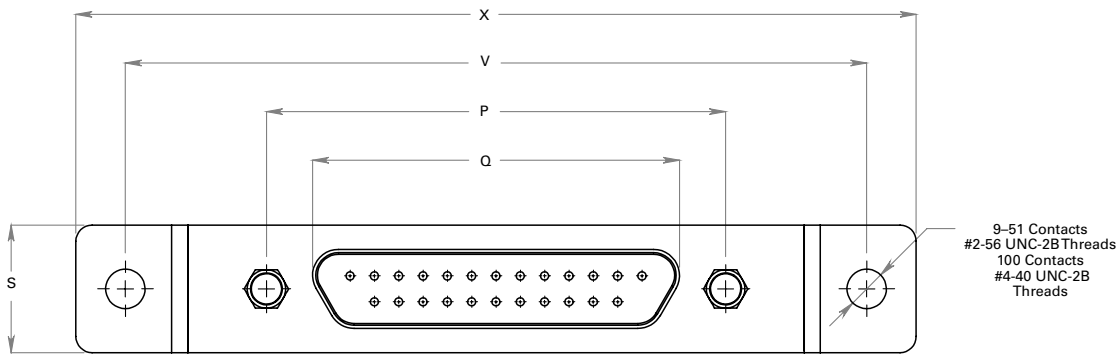
1 .109 inches (2.77 mm)
2 .140 inches (3.56 mm)
3 .172 inches (4.37 mm)

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).



PCB Mounting Holes
9-51 Contacts .096 (2.4) Max Dia
100 Contacts .150 (3.8) Max Dia

.020 $\pm$.002 (0.5 $\pm$ 0.05)

Rev. 1815

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Receptacle Dimensions

Shell Size	N	P	Q	R	S	T	U	V	X	Y
100P	2.585 (65.7)	1.800 (45.7)	1.383 (35.1)	0.270 (6.9)	0.460 (11.7)	0.183 (4.7)	0.525 (13.3)	2.800 (71.1)	3.250 (82.6)	0.293 (7.4)

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
Liquid Crystal Polymer, 30% Glass-Filled, in Accordance With MIL-M-24519
Epoxy Resin, Hysol EE4215/HD3561

Insulator:

Encapsulant (Potting):