

M83513/15 Connector Datasheet

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



MDP4 Cross-Reference & Compatibility

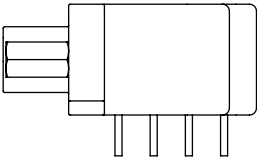
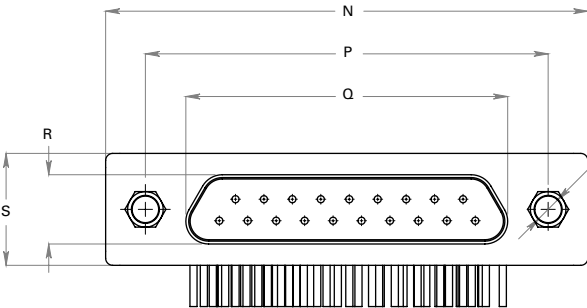
Compatible Brands	Equivalents
MIL-DTL-83513	M83513/15
Glenair	MWDM
Amphenol	Series 100
ITT Cannon	MDM Series

MDP4 - N 100 Y 1 - B

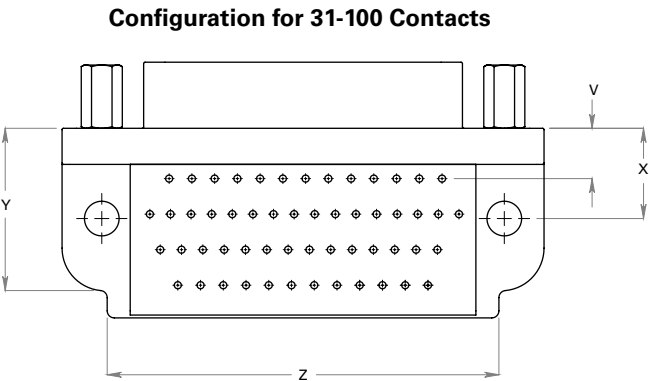
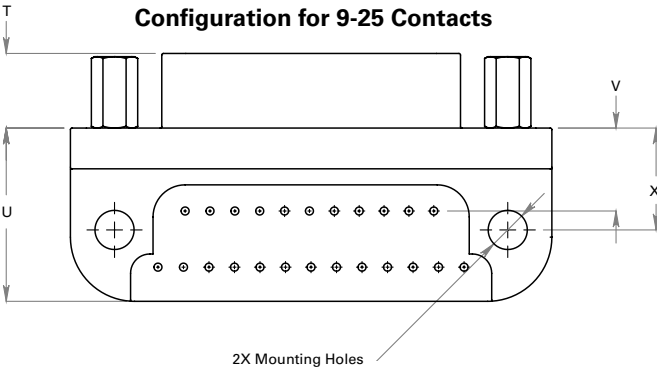
1 2 3 4 5 6

- BASIC PART NUMBER**
MDP4 Condensed 90-degree PCB Micro-D
- MATERIAL & FINISH**
N* Aluminum, electroless nickel
C Aluminum, cadmium
P Stainless steel, passivated
G Aluminum, electroless nickel (space-grade)
- CONTACT AMOUNT**
100
- CONTACT STYLE**
Y PC tail socket
- CONTACT TAIL LENGTH***
1 .109 inches (2.77 mm)
2 .140 inches (3.56 mm)
3 .172 inches (4.37 mm)
- 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



Receptacle Dimensions

Shell Size	N	P	Q	R	S	T	U	V	X	Y	Z
100S	2.175 (55.1)	1.800 (45.7)	1.451 (36.9)	0.333 (8.5)	0.394 (10.0)	0.195 (5.0)	1.010 (25.7)	0.200 (5.1)	0.400 (10.2)	0.590 (15.0)	1.820 (46.2)

Dimensions are in inches (mm).

Mounting Hardware

B	P	H	W
			

Materials & Finish

Connector Shell, Metal:

Aluminum Alloy 6061 In Accordance With 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