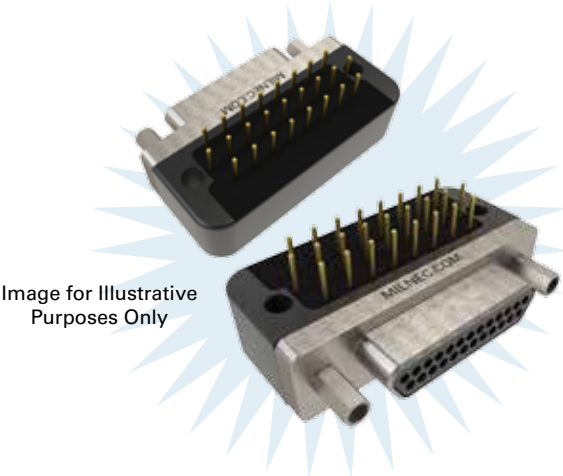


M83513/11 Connector Datasheet

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



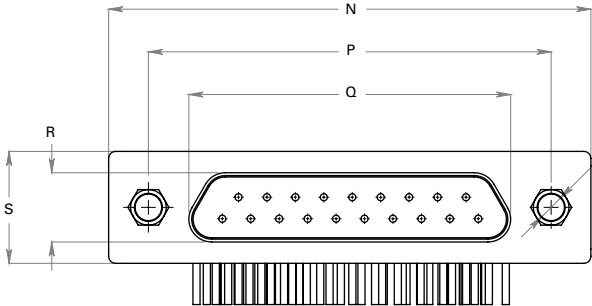
MDP4 Cross-Reference & Compatibility

Compatible Brands	Equivalents
MIL-DTL-83513	M83513/11
Glenair	MWDM
Amphenol	Series 100
ITT Cannon	MDM Series

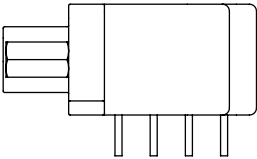
MDP4 - N 51 X 1 - B

- 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**
51
- CONTACT STYLE**
X PC tail pin
- 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

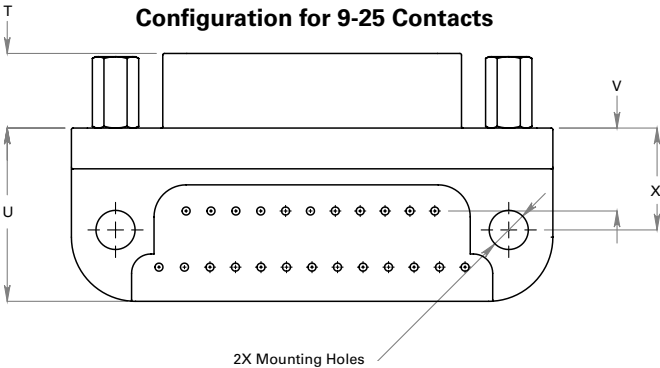
*Aerospace preferred. *Tail length tolerance ± 0.015 inches (.38 mm).



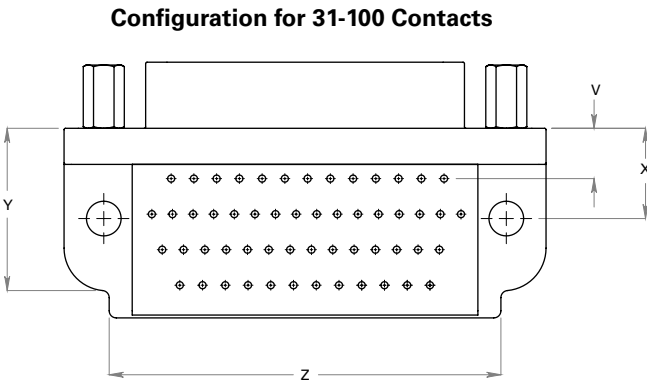
9-51 Contacts #2-56 UNC-2B Threads
100 Contacts #4-40 UNC-2B Threads



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



Configuration for 9-25 Contacts



Configuration for 31-100 Contacts

M83513/11 Connector Datasheet

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

Receptacle Dimensions

Shell Size	N	P	Q	R	S	T	U	V	X	Y	Z
51P	1.435 (36.5)	1.215 (30.9)	0.983 (25.0)	0.228 (5.8)	0.351 (8.9)	0.183 (4.7)	0.660 (16.8)	0.150 (3.8)	0.300 (7.6)	0.450 (11.4)	1.225 (31.1)

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