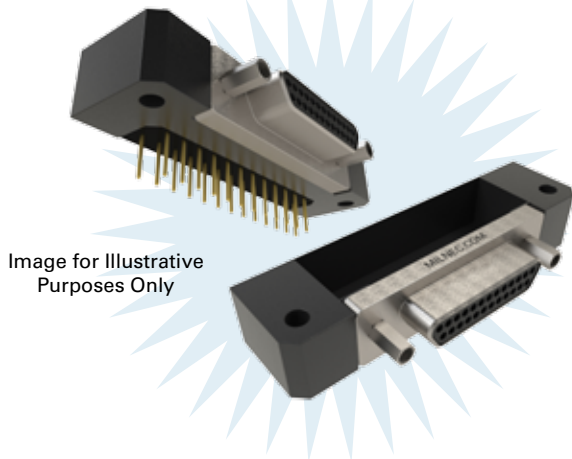


# M83513/18 Connector Datasheet

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



## MDP3 Cross-Reference & Compatibility

Compatible Brands	Equivalents
MIL-DTL-83513	M83513/18
Glenair	MWDM
Amphenol	Series 100
ITT Cannon	MDM Series

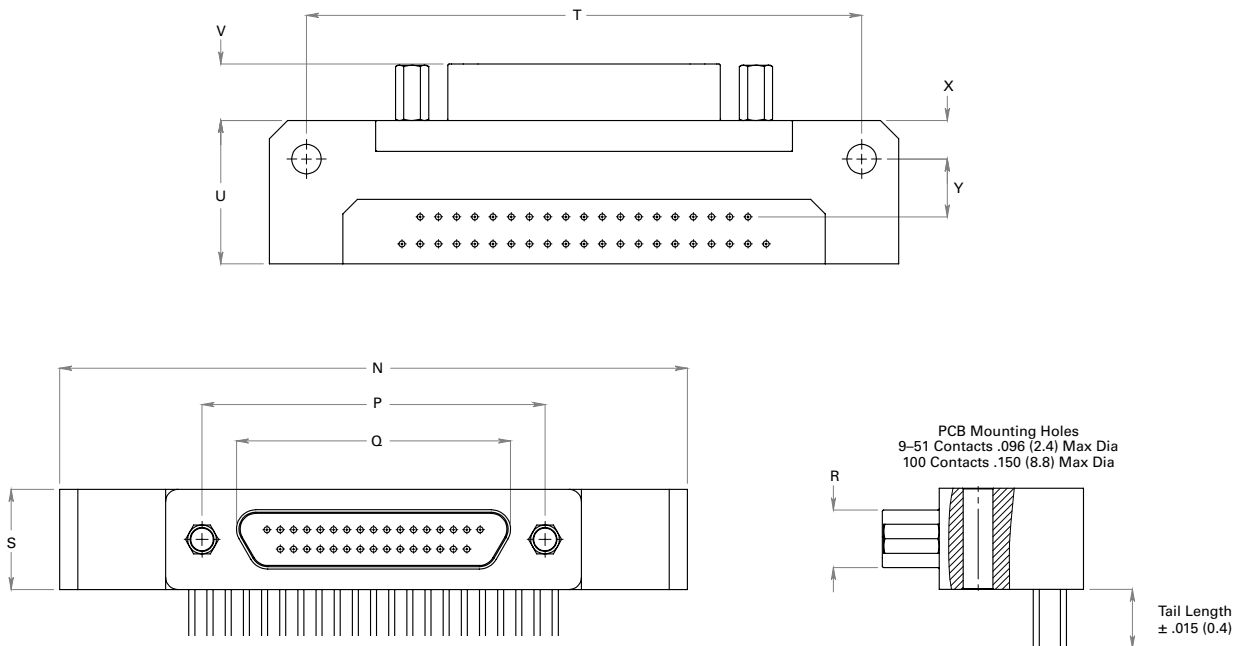
## MDP3 - N 100 X 1 - B

- 1 **BASIC PART NUMBER**  
MDP3 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**  
100
- 4 **CONTACT STYLE**  
X PC tail pin
- 5 **CONTACT TAIL LENGTH<sup>‡</sup>**  
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.

<sup>‡</sup>Tail length tolerance  $\pm 0.015$  inches (.38 mm).

MD



Rev. 1815

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## Receptacle Dimensions

Shell Size	N	P	Q	R	S	T	U	V	X	Y
100P	2.780 (70.6)	1.800 (45.7)	1.383 (35.1)	0.271 (6.9)	0.420 (10.7)	2.500 (63.5)	0.765 (19.4)	0.183 (4.7)	0.225 (5.7)	0.150 (3.8)

Dimensions are in inches (mm).

## Mounting Hardware



## 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

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