M83513/21 Connector Datasheet

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

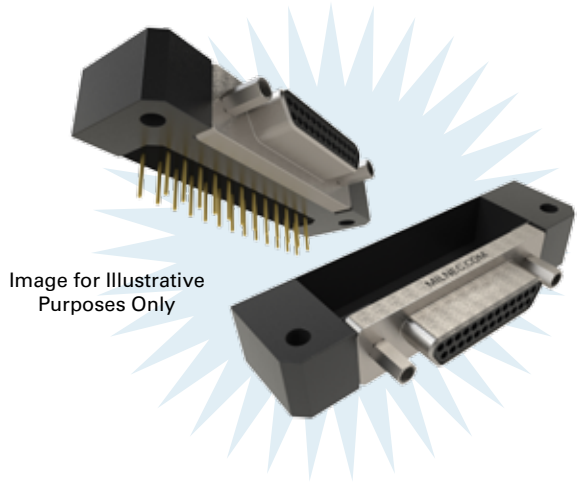


Image for Illustrative Purposes Only

MDP3 - N 100 Y 1 - B

1 — 2 — 3 — 4 — 5 — 6

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

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)

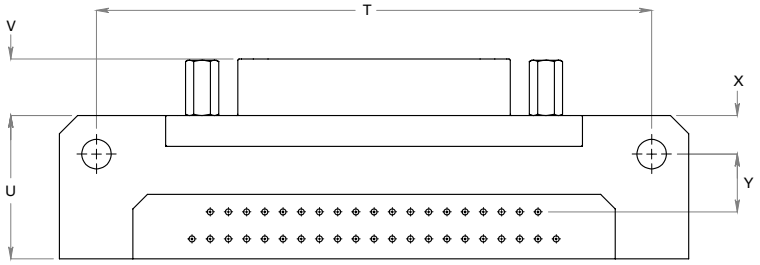
6 MOUNTING HARDWARE

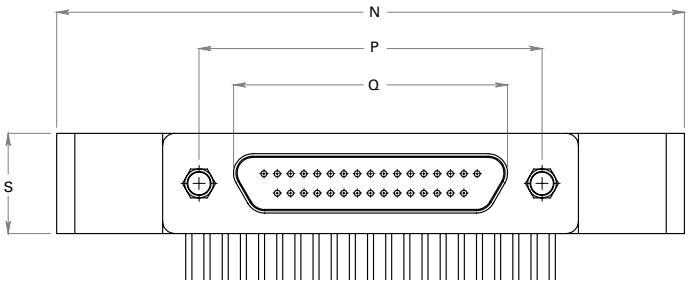
B	No hardware (thru-hole only)
P	Jackpost attached
H	Threaded insert
W	Jackpost attached and threaded insert

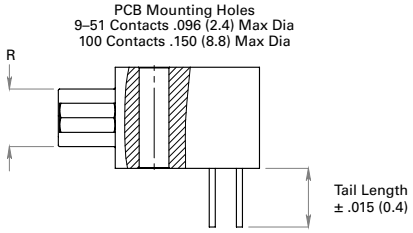
*Aerospace preferred. ‡Tail length tolerance ± 0.015 inches (.38 mm).

MDP3 Cross-Reference & Compatibility

Compatible Brands	Equivalents
MIL-DTL-83513	M83513/21
Glenair	MWDM
Amphenol	Series 100
ITT Cannon	MDM Series







Receptacle Dimensions

Shell Size	N	P	Q	R	S	T	U	V	X	Y
100S	2.780 (70.6)	1.800 (45.7)	1.451 (36.9)	0.333 (8.6)	0.420 (10.7)	2.500 (63.5)	0.765 (19.4)	0.195 (5.0)	0.225 (5.7)	0.150 (3.8)

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