

M83513/02 Connector Datasheet

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



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MDS1 Cross-Reference & Compatibility

Compatible Brands	Equivalents
MIL-DTL-83513	M83513/02
Glenair	MWDM
Amphenol	Series 100
ITT Cannon	MDM Series

MDS1 - N 25 S - B

- 12345
- 1

BASIC PART NUMBER
MDS1 Solder cup terminated, metal shell Micro-D
- 2

MATERIAL & FINISH
N* Aluminum, electroless nickel
C Aluminum, cadmium
P Stainless steel, passivated
G Aluminum, electroless nickel (space-grade)
- 3

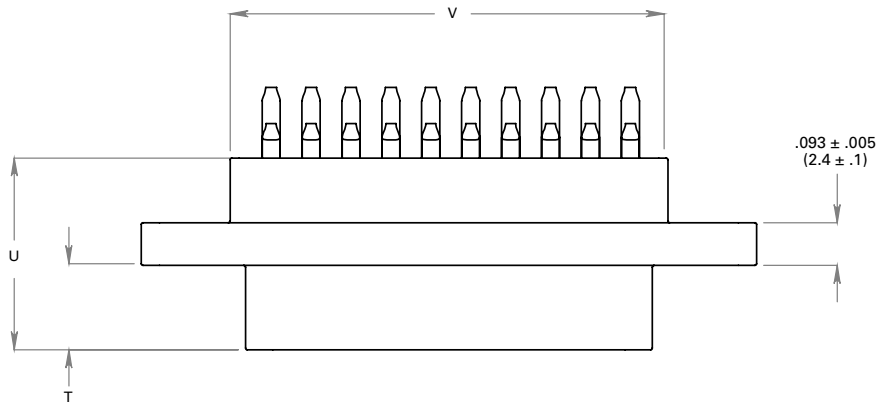
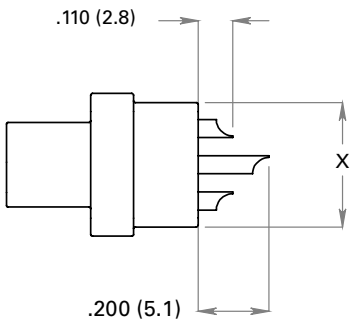
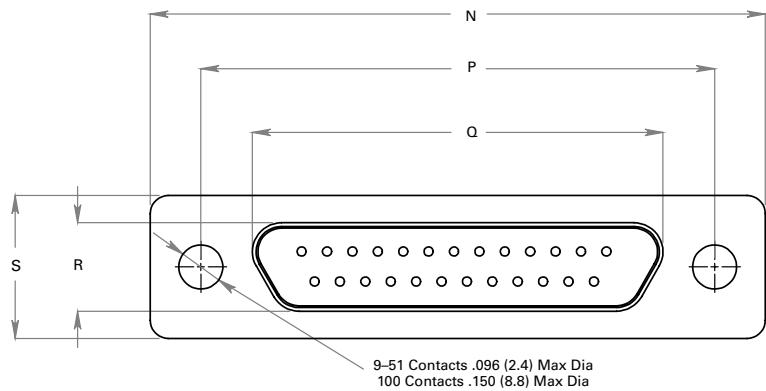
CONTACT AMOUNT
9, 15, 21, 25, 31, 37, 51, 100
- 4

CONTACT STYLE
S Socket
- 5

MOUNTING HARDWARE
B No hardware (thru-hole only)
P Jackpost
M Hex head jackscrew
R Extended hex head jackscrew
S Slot head jackscrew
T Extended slot head jackscrew

* Aerospace preferred.

MD



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Plug Dimensions

Shell Size	N	P	Q	R	S	T	U	V	X
9S	0.785 (19.9)	0.565 (14.4)	0.400 (10.2)	0.250 (6.4)	0.310 (7.9)	0.195 (5.0)	0.429 (10.9)	0.400 (10.2)	0.270 (6.9)
15S	0.935 (23.8)	0.715 (18.2)	0.551 (14.0)	0.250 (6.4)	0.310 (7.9)	0.195 (5.0)	0.429 (10.9)	0.550 (14.0)	0.270 (6.9)
21S	1.085 (27.6)	0.865 (22.0)	0.701 (17.8)	0.250 (6.4)	0.310 (7.9)	0.195 (5.0)	0.429 (10.9)	0.700 (17.8)	0.270 (6.9)
25S	1.185 (30.0)	0.965 (24.5)	0.801 (20.4)	0.250 (6.4)	0.310 (7.9)	0.195 (5.0)	0.429 (10.9)	0.800 (20.3)	0.270 (6.9)
31S	1.335 (33.9)	1.115 (28.3)	0.951 (24.2)	0.250 (6.4)	0.310 (7.9)	0.195 (5.0)	0.429 (10.9)	0.950 (24.1)	0.270 (6.9)
37S	1.485 (37.7)	1.265 (32.1)	1.101 (28.0)	0.250 (6.4)	0.310 (7.9)	0.195 (5.0)	0.429 (10.9)	1.100 (27.9)	0.270 (6.9)
51S	1.435 (36.5)	1.215 (30.9)	1.051 (26.7)	0.296 (7.5)	0.351 (8.9)	0.195 (5.0)	0.429 (10.9)	1.050 (26.7)	0.310 (7.9)
100S	2.170 (55.1)	1.800 (45.7)	1.451 (36.9)	0.333 (8.5)	0.394 (10.0)	0.195 (5.0)	0.429 (10.9)	1.442 (36.6)	0.360 (9.1)

Dimensions are in inches (mm).

Mounting Hardware

P	M	R	S	T
				

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