

MIL-DTL-83513/03 & /04 Micro-D Pre-Wired Crimp Terminated, Metal Shell Connector



Micro-D
MIL-DTL-83513



Micro-D Pre-Wired Pigtails

These connectors feature gold-plated TwistPin contacts and mil spec crimp termination. Specify aluminum shells for best availability. 100% tested and backpotted, ready for use.

Choose the Wire Type To Fit Your Application

For lightest weight and smallest diameter, select M22759/33 space grade insulated wire.

How To Order MIL-DTL- 83513 Pre-Wired Metal Shell Micro-D Connectors

Sample Part Number		M83513	/04	-B	09	N
Base Part Number	M83513					
Slash Number	/03 Pin Connector (Plug) /04 Socket Connector (Receptacle)					
Shell Size	A, B, C, D, E, F, G, H (See Table I) Codes A - H specify the shell size. The number of contacts is shown below for reference. A - 9 B - 15 C - 21 D - 25 E - 31 F - 37 G - 51 H - 100					
Wire Type	M22759/11-26 Teflon®-Insulated Hookup Wire 01 - 18 Inches (457mm), White 02 - 36 Inches (914mm), White 03 - 18 Inches (457mm), 10 Color Repeating 04 - 36 Inches (914mm), 10 Color Repeating 13 - 72 Inches (1829mm), White 14 - 72 Inches (1829mm), 10 Color Repeating 25 AWG Single Strand Uninsulated Wire 05 - .500 Inch (12.7mm), Gold Plated 06 - 1.000 Inch (25.4mm), Gold Plated 07 - .500 Inch (12.7mm), Tin-Lead Plated(2) 08 - 1.000 Inch (25.4mm), Tin-Lead Plated(2) M22759/33-26 Irradiated Tefzel® Insulated Hookup Wire 09 - 18 Inches (457mm), White 10 - 36 Inches (914mm), White 11 - 18 Inches (457mm), 10 Color Repeating 12 - 36 Inches (914mm), 10 Color Repeating 15 - 72 Inches (1829mm), White 16 - 72 Inches (1829mm), 10 Color Repeating					
Shell Finish	C - Cadmium A - Electrodeposited Aluminum N - Electroless Nickel K - Zinc Nickel P - Passivated SST T - Nickel Fluorocarbon Polymer					

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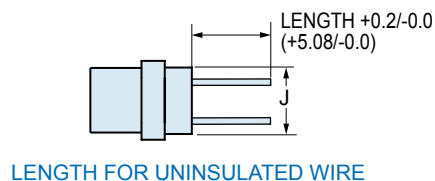
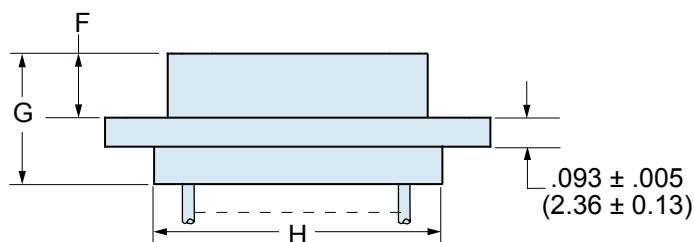
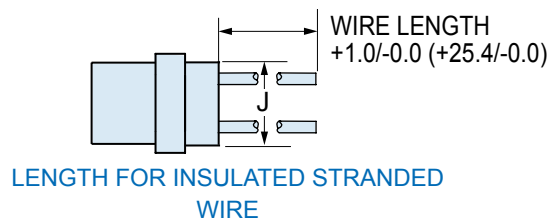
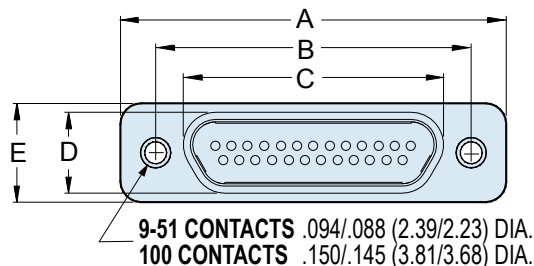
Notes

1. Shell Material & Finish: Cadmium plating offers better corrosion resistance compared to nickel, but cad is not acceptable for space or RoHS applications. Electroless nickel plated aluminum is recommended for new design activity. Or, choose stainless steel shells for corrosive environments.
2. Tin-Plated Wire: Glenair M83513 connectors do not contain any components exceeding 97% tin.
3. M22759/33 Corrosion: The M83513 spec contains a cautionary note regarding M22759/33 wire. The wire insulation is known to cause corrosion to metal parts when stored in a sealed environment. This corrosion has been observed on M83513 connectors. Glenair has implemented a packaging procedure to minimize or eliminate this problem. Connectors are individually wrapped with teflon tape, and the unit pack is a perforated paper envelope. M22759/33 continues to be the preferred wire for space applications.



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Table I: Dimensions



Layout	A Max.		B		C Max.		D Max.		E Max.		F		G Max.		H Max.		J Max.	
	In.	mm.	In. ± .003	mm. ± 0.08	In.	mm.	In.	mm.	In.	mm.	In. ± .003	mm. ± 0.08	In.	mm.	In.	mm.	In.	mm.
9P	.785	19.94	.565	14.35	.333	8.46	.184	4.67	.310	7.87	.183	4.65	.416	10.57	.400	10.16	.270	6.86
9S	.785	19.94	.565	14.35	.400	10.16	.250	6.35	.310	7.87	.195	4.95	.429	10.90	.400	10.16	.270	6.86
15P	.935	23.75	.715	18.16	.483	12.27	.184	4.67	.310	7.87	.183	4.65	.416	10.57	.550	13.97	.270	6.86
15S	.935	23.75	.715	18.16	.551	14.00	.250	6.35	.310	7.87	.195	4.95	.429	10.90	.550	13.97	.270	6.86
21P	1.085	27.56	.865	21.97	.633	16.08	.184	4.67	.310	7.87	.183	4.65	.416	10.57	.700	17.78	.270	6.86
21S	1.085	27.56	.865	21.97	.701	17.81	.250	6.35	.310	7.87	.195	4.95	.429	10.90	.700	17.78	.270	6.86
25P	1.185	30.01	.965	24.51	.733	18.62	.184	4.67	.310	7.87	.183	4.65	.416	10.57	.800	20.32	.270	6.86
25S	1.185	30.01	.965	24.51	.801	20.35	.250	6.35	.310	7.87	.195	4.95	.429	10.90	.800	20.32	.270	6.86
31P	1.335	33.91	1.115	28.32	.883	22.43	.184	4.67	.310	7.87	.183	4.65	.416	10.57	.950	24.13	.270	6.86
31S	1.335	33.91	1.115	28.32	.951	24.16	.250	6.35	.310	7.87	.195	4.95	.429	10.90	.950	24.13	.270	6.86
37P	1.485	37.72	1.265	32.13	1.033	26.24	.184	4.67	.310	7.87	.183	4.65	.416	10.57	1.100	27.94	.270	6.86
37S	1.485	37.72	1.265	32.13	1.101	27.96	.250	6.35	.310	7.87	.195	4.95	.429	10.90	1.100	27.94	.270	6.86
51P	1.435	36.45	1.215	30.86	.983	24.97	.228	5.79	.351	8.92	.183	4.65	.416	10.57	1.050	26.67	.310	7.87
51S	1.435	36.45	1.215	30.86	1.051	26.70	.296	7.52	.351	8.92	.195	4.95	.429	10.90	1.050	26.67	.310	7.87
100P	2.170	55.12	1.800	45.72	1.383	35.13	.270	6.86	.394	10.01	.183	4.65	.416	10.57	1.442	36.63	.360	9.14
100S	2.170	55.12	1.800	45.72	1.451	36.86	.333	8.46	.394	10.01	.195	4.95	.429	10.90	1.442	36.63	.360	9.14

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Glenair:

M83513/04-D12P	M83513/03-F14N	M83513/04-B14N	M83513/04-D05N	M83513/04-C14C	M83513/04-H04C
M83513/04-H04N	M83513/03-D10N	M83513/03-H04C	M83513/04-E01C	M83513/03-B14N	M83513/03-C14N
M83513/03-D14N	M83513/03-F09N	M83513/03-H14N	M83513/04-A01N	M83513/03-C03C	M83513/03-B04N
M83513/04-A05N	M83513/04-G14C	M83513/04-B01C	M83513/03-D09N	M83513/03-A08C	M83513/03-F08C
M83513/04-D13N	M83513/03-G02N	M83513/03-G03N	M83513/03-G10N	M83513/03-A15N	M83513/03-D15N
M83513/03-A04N	M83513/03-F04N	M83513/03-D14C	M83513/04-B15N	M83513/04-G15N	M83513/04-A10N
M83513/04-A04N	M83513/04-G02C	M83513/03-F03C	M83513/03-G15N	M83513/04-D15N	M83513/03-A02N
M83513/04-A02N	M83513/03-H02C	M83513/03-B10N	M83513/04-B10N	M83513/03-C14C	M83513/03-A01C
M83513/03-A03C	M83513/03-A04C	M83513/03-A07N	M83513/03-A09C	M83513/03-A09N	M83513/03-A11C
M83513/03-A11N	M83513/03-A12C	M83513/03-A12N	M83513/03-A14C	M83513/03-A14N	M83513/03-A16N
M83513/03-B01C	M83513/03-B01N	M83513/03-B03C	M83513/03-B03N	M83513/03-B04C	M83513/03-B09C
M83513/03-B09N	M83513/03-B11C	M83513/03-B11N	M83513/03-B12N	M83513/03-B16N	M83513/03-C01N
M83513/03-C03N	M83513/03-C03P	M83513/03-C04C	M83513/03-C11N	M83513/03-C12N	M83513/03-C16N
M83513/03-D01C	M83513/03-D01N	M83513/03-D02C	M83513/03-D03C	M83513/03-D03N	M83513/03-D04N
M83513/03-D05N	M83513/03-D07C	M83513/03-D11C	M83513/03-D11N	M83513/03-D12N	M83513/03-D16N
M83513/03-E02N	M83513/03-E03N	M83513/03-E04N	M83513/03-E09N	M83513/03-E11N	M83513/03-E14N
M83513/03-F01C	M83513/03-F01N	M83513/03-F02N	M83513/03-F03N		