



177-140H Solder Cup or PC Tail and 177-704H Insulated Wire Micro-D Hermetic Connectors Solder, Braze or Weld Mount



**MATES
WITH
All** **83513**
Pin
Connectors

Solder, Braze, or Weld these 177-140 and 704 Hermetic Micro-D connectors. Featuring a matched glass-to-metal seal, these socket receptacles are designed for panel mounting.

Kovar® Shells and Contacts comply with applicable MIL-DTL-83513 space requirements and are 100% intermateable with standard connectors.

Choose 9 to 100 Contacts, with gold-plated contacts and nickel-plated shells. These connectors feature integral female jackposts.

How To Order Hermetic Micro-D Connectors with Solder Cups

Sample Part Number		177-140H	31	SS
Series	177-140H Hermetic Micro-D			
Number of Contacts	9, 15, 21, 25, 31, 37, 51-3, 51-2, 100 (Table I)			
Termination Type	SS - Solder Cup, Socket SP - PC Tail, Socket			

Notes

- Use of Threaded helical coil insert manufacturers option
- Glenair's 177-140 hermetic socket connector mates with all standard MIL-DTL-83513 pin connectors (MWDM series).
- Connector may be back potted
- Use threaded helical coil insert manufactures option.

- Connector may be back potted
- Performance:
 - Hermeticity 1×10^{-6} scche/sec @ 1 atmosphere differential
 - Dielectric withstanding voltage: sea level 150 vac
 - Insulation resistance: 5000 megohms min.

- Material/finish
 - Shell: kovar alloy/electro-deposited nickel
 - Socket contacts: Kovar® alloy/ gold plate
 - Insulator: borosilicate glass
 - Interfacial seal, o-ring: fluorosilicone/n.a.
 - Potting: epoxy

How To Order Hermetic Micro-D Connectors with Insulated Wire

Sample Part Number		177-704H	25	S	6	K	1	-18
Series	177-704H Hermetic Micro-D with Insulated Wire							
Number of Contacts	9, 15, 21, 25, 31, 37, 51-3, 51-2, 100 (Table I)							
Contact Type	S - Socket Contacts, Pre-Wired							
Wire Gage (AWG)	6 - 26 8 - #28 0 - #30							
Wire Type	K - M22759/11 600 Vrms Fluoropolymer (TFE) (Not Available in #30 AWG)				J - M22759/33 600 Vrms Modified Cross-Linked Tefzel® (ETFE)			
Wire Color	1 - White 2 - Yellow 5 - Color-Coded Stripes Per MIL-STD-681 (#26 gage only) 7 - Ten Color Repeat							
Wire Length Inches	18 - Wire Length In Inches. "18" Specifies 18 Inches.							

Notes

- Glenair 177-704 hermetic socket connector mates with all standard MIL-DTL-83513 pin connectors (MWDM series).
- Performance:
 - Hermeticity 1×10^{-6} scche/sec @ 1 atmosphere differential
 - Dielectric withstanding voltage: sea level 150 vac
 - Insulation resistance: 5000 megohms min.
- Connector may be back potted.
- Use threaded helical coil insert manufactures option.

- Material/finish
 - Shell: kovar alloy/electro-deposited nickel
 - Socket contacts: Kovar® alloy/ gold plate
 - Insulator: borosilicate glass
 - Interfacial seal, o-ring: fluorosilicone/n.a.
 - Potting: epoxy

**177-140H Solder Cup or PC Tail and
177-704H Insulated Wire Micro-D Hermetic Connectors**
Solder, Braze or Weld Mount



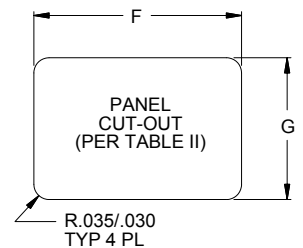
Micro-D
Hermetic

Table I: Dimensions



Layout	A Max.		B		C MAX.		D Max.		E Max.		F		G Max.		H		J	
	In.	mm.	In. ± .005	mm. ± 0.13	In. ± .005	mm. ± .013	In.	mm.	In.	mm.	In. ± .004	mm. ± 0.10	In.	mm.	In. ± .004	mm. ± 0.10	In. ± .004	mm. ± 0.10
9S	.785	19.94	.565	14.35	.695	14.35	.250	6.35	.310	7.87	.195	4.95	.394	10.01	.398	10.11	.268	6.81
15S	1.030	26.16	.715	18.16	.855	21.71	.250	6.35	.425	10.80	.195	4.95	.394	10.01	.535	13.59	.255	6.48
21S	1.180	29.97	.865	21.97	1.005	25.53	.250	6.35	.425	10.80	.195	4.95	.394	10.01	.750	19.05	.255	6.48
25S	1.280	32.51	.965	24.51	1.105	28.06	.250	6.35	.425	10.80	.195	4.95	.394	10.01	.785	19.94	.255	6.48
31S	1.430	36.32	1.115	28.32	1.255	31.88	.250	6.35	.425	10.80	.195	4.95	.394	10.01	.935	23.75	.255	6.48
37S	1.580	40.13	1.265	32.13	1.425	36.20	.250	6.35	.425	10.80	.195	4.95	.394	10.01	1.085	27.56	.255	6.48
51S 2 Row	1.930	49.02	1.615	45.08	1.775	45.09	.250	6.35	.425	10.80	.199	5.05	.394	10.01	1.435	36.45	.250	6.35
51S 3 Row	1.530	38.86	1.215	30.86	1.361	34.57	.310	7.87	.468	11.89	.199	5.05	.394	10.01	1.032	33.101	.300	7.62
100S	2.260	57.40	1.800	45.72	2.010	51.05	.330	8.38	.517	13.13	.199	5.05	.394	10.01	1.765	44.8	.355	9.0

TABLE II									
SIZE	F DIM		G DIM		SIZE	F DIM		G DIM	
	in	mm	in	mm		in	mm	in	mm
9	.410/.405	10.41/10.29	.280/.275	7.11/6.99	37	1.100/1.095	27.94/27.81	.270/.265	6.86/6.73
15	.550/.545	13.97/13.84	.270/.265	6.86/6.73	51	1.045/1.040	26.54/26.42	.310/.305	7.87/7.75
21	.765/.760	20.32/20.19	.270/.265	6.86/6.73	51-2	1.450/1.445	36.83/36.70	.270/.265	6.86/6.73
25	.800/.795	20.32/20.19	.270/.265	6.86/6.73	100	1.780/1.775	45.21/45.09	.370/.365	9.40/9.271
31	.950/.945	24.13/24.00	.270/.265	6.86/6.73					



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