



Micro-D GRPM Uninsulated Wire Rear Panel Mount Connector with Wide Flange

B



High Performance – These connectors meet the demanding requirements of MIL-DTL-83513.

Solder-Dipped – Terminals are coated with Sn60/Pb40 tin-lead solder for best solderability. Optional gold-plated terminals are available for RoHS compliance

How To Order Uninsulated Wire Rear Panel Mount Connector

Sample Part Number	GRPM	2	L-	15	P-	4	C	4-	.250	R3	N
Series	GRPM Glenair Rear Panel Micro										
Shell Material and Finish	Aluminum Shell 1 - Cadmium 2 - Nickel 3 - Passivated 4 - Black Anodize 5 - Gold 6 - Chem Film 33 - Nickel-PTFE										
Insulator Material	L - LCP or PPS LCP - 30% Glass-Filled Liquid Crystal Polymer PPS - 40% Glass-Filled Polyphenylene Sulfide										
Contact Layout	9, 15, 21, 25, 31, 37, 51-2, 51, 69, 75, 100, 130 (See Table I)										
Contact Type	P – Pin S – Socket										
Wire Gage	4 - #24 (.020) 5 - #25 (.018) 6 - #26(.016)										
Wire Type	C - Solid Copper										
Termination Finish	3 - Solder Dipped 4 - Gold										
Wire Length	.125, .250, .375, .500, .750, 1.000										
Rear Panel Mount Hardware Option	B - No hardware R1 - .032 panel R2 - .047 panel R3 - .062 panel R4 - .093 panel R5 - .125 panel R6 - .080 panel										
O-Ring	C - Conductive N - Non Conductive (Nitrile) B - Supplied Less O-ring F - Fluorosilicone										

Materials and Finishes

Connector Shell	Aluminum Alloy 6061 or Stainless Steel, 300 Series, passivated. See Ordering Info for Plating Options
Insulator	Liquid Crystal Polymer (LCP) or Polyphenylene Sulfide (PPS)
Interfacial Seal	Fluorosilicone Rubber, Blue
Pin Contact	Beryllium Copper Gold over Nickel Plating
Socket Contact	Copper Alloy Gold Over Nickel Plating
Hardware	300 Series Stainless Steel
Encapsulant	Epoxy Resin Hysol EE4215

Performance Specifications

Current Rating	3 AMP
DWV	600 VAC Sea level
Insulation Resistance	5000 Megohms Minimum
Contact Resistance	8 Milliohms Maximum
Low Level Contact Resist.	32 Milliohms Maximum
Magnetic Permeability	2 μ Maximum
Operating Temperature	-55° C. to +150° C.
Shock, Vibration	50 g., 20g.
Mating Force	(10 Ounces) X (# of Contacts)

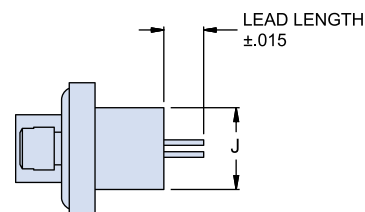
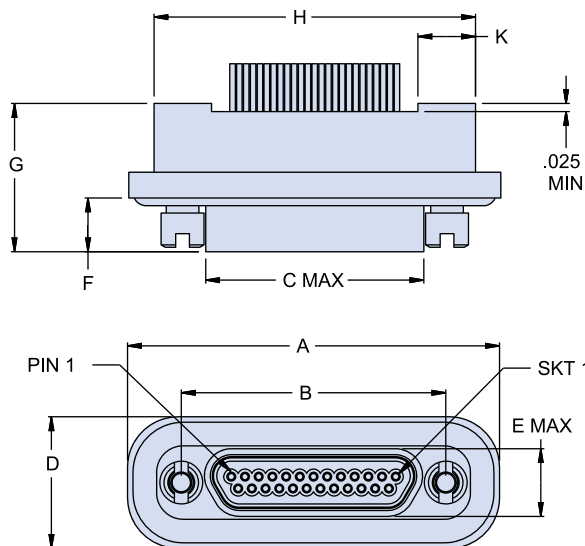
Notes:

1. Assembly to be identified with Glenair's name, part number, date code, and pin 1 identification as space permits
2. Performance data per MIL-DTL-83513
3. Interface dimensions per MIL-DTL-83513

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Table I: Dimensions



Layout	A		B		C Max		D		E Max		F		G		H Max		J Max		K Ref	
	in. ±.005	mm. ±.13	in. ±.003	mm. ±.08	in.	mm.	in. ±.005	mm. ±.13	in.	mm.	in. ±.003	mm. ±.08	in. ±.005	mm. ±.13	in.	mm.	in.	mm.	in.	mm.
9P	.960	24.38	0.565	14.35	.334	8.48	.480	12.19	.184	4.67	.183	4.65	.529	13.44	.790	20.07	.310	7.87	.210	5.33
9S	0.960	24.38	0.565	14.35	.400	10.16	.480	12.19	.250	6.35	.195	4.95	.541	13.74	.790	20.07	.310	7.87	.210	5.33
15P	1.110	28.19	0.715	18.16	.484	12.29	.480	12.19	.184	4.67	.183	4.65	.529	13.44	.940	23.88	.310	7.87	.210	5.33
15S	1.110	28.19	0.715	18.16	.550	13.97	.480	12.19	.250	6.35	.195	4.95	.541	13.74	.940	23.88	.310	7.87	.210	5.33
21P	1.260	32.00	0.865	21.97	.634	16.10	.480	12.19	.184	4.67	.183	4.65	.529	13.44	1.090	27.69	.310	7.87	.210	5.33
21S	1.260	32.00	0.865	21.97	.700	17.78	.480	12.19	.250	6.35	.195	4.95	.541	13.74	1.090	27.69	.310	7.87	.210	5.33
25P	1.360	34.54	0.965	24.51	.734	18.64	.480	12.19	.184	4.67	.183	4.65	.529	13.44	1.190	30.23	.310	7.87	.210	5.33
25S	1.360	34.54	0.965	24.51	.800	20.32	.480	12.19	.250	6.35	.195	4.95	.541	13.74	1.190	30.23	.310	7.87	.210	5.33
31P	1.510	38.35	1.115	28.32	.884	22.45	.480	12.19	.184	4.67	.183	4.65	.529	13.44	1.340	34.04	.310	7.87	.210	5.33
31S	1.510	38.35	1.115	28.32	.950	24.13	.480	12.19	.250	6.35	.195	4.95	.541	13.74	1.340	34.04	.310	7.87	.210	5.33
37P	1.660	42.16	1.265	32.13	1.034	26.26	.480	12.19	.184	4.67	.183	4.65	.529	13.44	1.490	37.85	.310	7.87	.210	5.33
37S	1.660	42.16	1.265	32.13	1.100	27.94	.480	12.19	.250	6.35	.195	4.95	.541	13.74	1.490	37.85	.310	7.87	.210	5.33
51-2P	2.010	51.05	1.615	41.02	1.384	35.15	.480	12.19	.184	4.67	.183	4.65	.529	13.44	1.840	46.74	.310	7.87	.210	5.33
51-2S	2.010	51.05	1.615	41.02	1.450	36.83	.480	12.19	.250	6.35	.195	4.95	.541	13.74	1.840	46.74	.310	7.87	.210	5.33
51P	1.660	42.16	1.215	30.86	0.984	24.99	.525	13.34	.224	5.69	.183	4.65	.529	13.44	1.440	36.58	.351	8.92	.210	5.33
51S	1.660	42.16	1.215	30.86	1.050	26.67	.525	13.34	.293	7.44	.195	4.95	.541	13.74	1.440	36.58	.351	8.92	.210	5.33
69P	1.960	49.78	1.515	38.48	1.284	32.61	.525	13.34	.224	5.69	.183	4.65	.529	13.44	1.740	44.20	.351	8.92	.210	5.33
69S	1.960	49.78	1.515	38.48	1.350	34.29	.525	13.34	.293	7.44	.195	4.95	.541	13.74	1.740	44.20	.351	8.92	.210	5.33
75P	2.150	54.61	1.705	43.31	1.384	35.15	.525	13.34	.224	5.69	.183	4.65	.529	13.44	2.085	52.96	.351	8.92	.280	7.11
75S	2.150	54.61	1.705	43.31	1.450	36.83	.525	13.34	.293	7.44	.195	4.95	.541	13.74	2.085	52.96	.351	8.92	.280	7.11
100P	2.385	60.58	1.800	45.72	1.384	35.15	.600	15.24	.270	6.86	.183	4.65	.529	13.44	2.230	56.64	.394	10.01	.300	7.65
100S	2.385	60.58	1.800	45.72	1.451	36.86	.600	15.24	.333	8.46	.195	4.95	.541	13.74	2.230	56.64	.394	10.01	.300	7.65
130P	2.735	69.47	2.150	54.61	1.735	44.07	.600	15.24	.270	6.86	.183	4.65	.529	13.44	2.425	61.59	.394	10.01	.340	8.64
130S	2.735	69.47	2.150	54.61	1.795	45.60	.600	15.24	.333	8.46	.195	4.95	.541	13.74	2.425	61.59	.394	10.01	.340	8.64