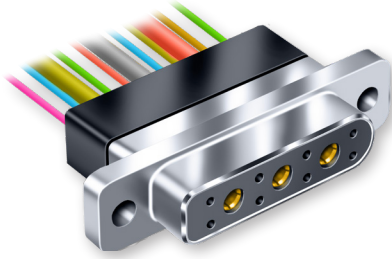


GMPM Combo Micro-D for High Power Applications Pre-Wired



13 Amp Current Rating – Combo Micro-D's combine the size and weight advantages of a Micro-D connector with the added ability to handle higher power needs.

Pre-Wired And Potted with Epoxy – Gold plated power contacts accommodate up to #16 AWG stranded wire. Signal contacts accept up to #24 AWG wire.

Mil Spec Performance – Glenair combo Micro-D connectors comply with the requirements of MIL-DTL-83513 and feature excellent resistance to high temperatures, shock and vibration.

How To Order Pre-wired Micro-D Power Connectors

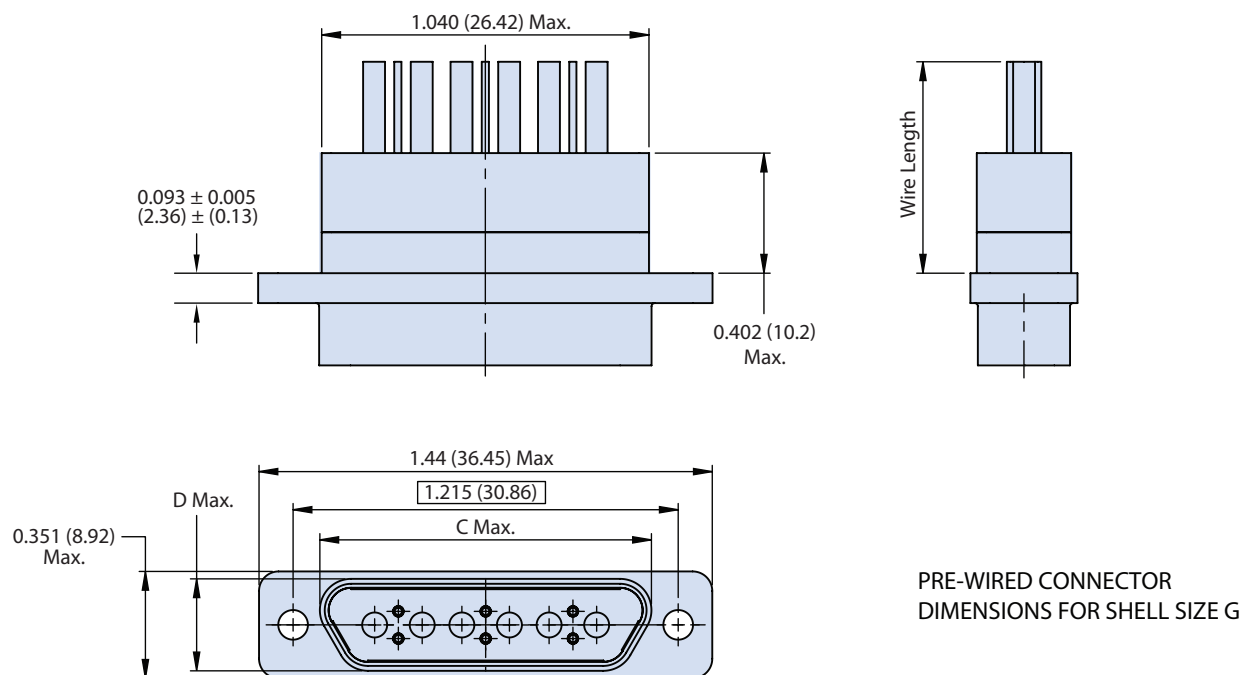
Sample Part Number	GMPM	2-	B112	P	T	4	-18	K	7-	460	B
Series	GMPM										
Shell Finish	Stainless Steel Shell 1 - Cadmium 2 - Nickel 3 - Passivated 4 - Black Anodize 5 - Gold 6 - Chem Film 33 - Nickel-PTFE										
Shell Size and Insert Layout	B112, D112, D113, E112, E113, J112 G101P, G101R, G103P, G103R, G111P, G111R (See Table II or III)										
Shell Style	P = Plug R = Receptacle										
Cable Entry Style	T - Top Entry										
Wire Gage for #24 Contacts (AWG)	4 - #24 6 - #26 8 - #28 0 - #30 Omit for B112, D112, E112 and J112 layouts containing power contacts only.										
Wire Gage for #16 Contacts (AWG)	16, 18, 20										
Wire Type	K - M22759/11 J - M22759/33 E - NEMA HP3-EB 600 Vrms Teflon® 600 Vrms Modified 600 Vrms Type E M16878/4 (TFE) Cross-Linked Tefzel® (ETFE) (TFE)										
Wire Color	1 - White 2 - Yellow 5 - Color-Coded per MIL-STD-681 7 - 10 Color Repeat Wires are solid color per MIL-STD-681 color code system. Note: #16 and #18 wire is always white. Wire colors apply to signal wire only.										
Wire Length (mm)	460 - Wire length in millimeters, rounded up to the nearest 10 mm.										
Hardware	B, P, M, M1, S, S1, L, K, F, R, H										

F

Table I: Mounting Hardware

B	P	M	M1	S	S1	L	K	F	R	H
Thru-Hole	Jackpost	Hex Head Jackscrew	Hex Head Jackscrew, Extended	Slot Head Jackscrew	Slot Head Jackscrew, Extended	Hex Head Jackscrew Non-Removable	Slot Head Jackscrew Non-Removable Extended	Float Mount For Front Panel Mounting	Float Mount For Rear Panel Mounting	Threaded Insert

Table II: Dimensions for Shell Size G Connectors



Layout	C Max		D Max	
	In.	mm.	In.	mm.
G101P	0.983	24.97	0.228	5.79
G101R	1.051	26.70	0.296	7.52
G103P	0.983	24.97	0.228	5.79
G103R	1.051	26.70	0.296	7.52
G111P	0.983	24.97	0.228	5.79
G111R	1.051	26.70	.296	7.52

Performance Specifications	
Current Rating	3 AMP Signal Contacts 13 AMP .079" (2mm) Power Contacts
Dielectric Withstanding Voltage	600 VAC Sea Level 150 VAC 70,000 Feet
Insulation Resistance	5000 Megohms Minimum
Contact Resistance	8 Milliohms Maximum Signal Contacts
Low Level Contact Resistance	32 Milliohms Maximum Signal Contacts
Magnetic Permeability	2 μ Maximum
Operating Temperature	-55° C. to +150° C.
Shock	50 g.
Vibration	20 g.
Mating Force	(10 ounces) x (number of contacts)
Power Contacts	(28 ounces) x (number of contacts)

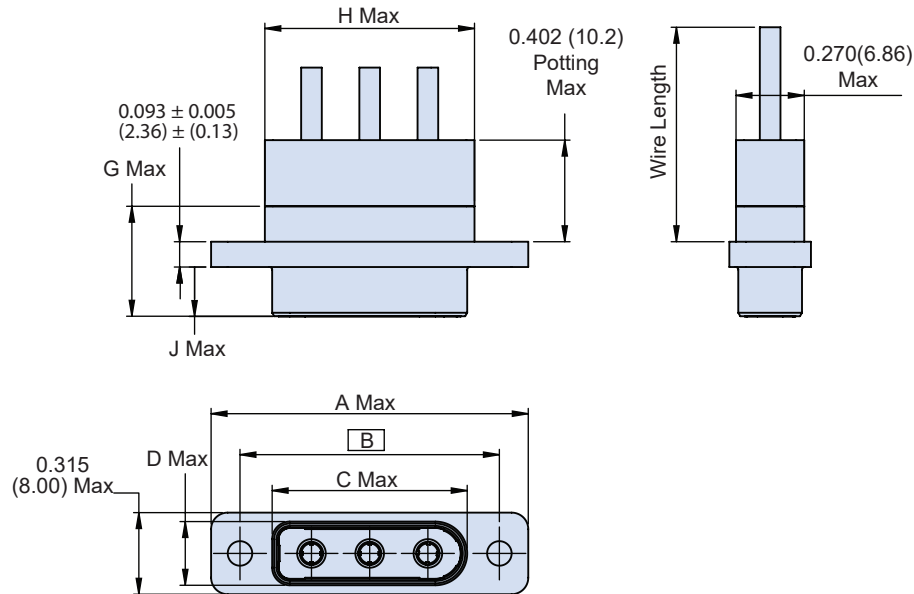
Materials and Finishes	
Connector Shell	Aluminum Alloy 6061. See Ordering Info for Plating Options.
Insulator	Liquid Crystal Polymer (LCP)
Interfacial Seal	Fluorosilicone Rubber, Blue
Pin Contact, TwistPin	Copper Alloy with 50 Microinches Gold over Nickel Plating
Socket Contact,	Copper Alloy with 50 Microinches Gold Over Nickel Plating
Pin Contact, 2mm. Power	Brass With 50 Microinches Gold Over Nickel Plating
Skt. Contact. 2mm. Power	Beryllium Copper With 50 Microinches Gold Over Nickel Plating
Hardware	300 Series Stainless Steel
PCB Terminals	Gold-Plated Copper Alloy, Solder Dipped
Encapsulant	Epoxy Resin

GMPM Combo Micro-D for High Power Applications Pre-Wired



Micro-D Combo

Table III: Dimensions for Shell Size B, D, E and J



F

Layout	A Max.		B		C Max.		D Max.		G Max.		H Max.		J Max.	
	In.	mm.	In. ± .003	mm. ± 0.08	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.
B112P	.935	23.75	.715	18.16	.481	12.21	.242	6.15	.416	10.57	.550	13.97	.184	4.68
B112R	.935	23.75	.715	18.16	.547	13.92	.315	8.00	.429	10.90	.550	13.97	.197	5.01
D112P	1.185	30.01	.965	24.51	.731	18.56	.242	6.15	.416	10.57	.800	20.32	.184	4.68
D112R	1.185	30.01	.965	24.51	.798	20.27	.315	8.00	.429	10.90	.800	20.32	.197	5.01
D113P	1.185	30.01	.965	24.51	.731	18.56	.242	6.15	.416	10.57	.800	20.32	.184	4.68
D113R	1.185	30.01	.965	24.51	.798	20.27	.315	8.00	.429	10.90	.800	20.32	.197	5.01
E112P	1.335	33.91	1.115	28.32	.881	22.37	.242	6.15	.416	10.57	.950	24.13	.184	4.68
E112R	1.335	33.91	1.115	28.32	.948	24.08	.315	8.00	.429	10.90	.950	24.13	.197	5.01
E113P	1.335	33.91	1.115	28.32	.881	22.37	.242	6.15	.416	10.57	.950	24.13	.184	4.68
E113R	1.335	33.91	1.115	28.32	.948	24.08	.315	8.00	.429	10.90	.950	24.13	.197	5.01
J112P	1.835	46.61	1.615	41.02	1.381	35.07	.242	6.15	.416	10.57	1.450	36.83	.184	4.68
J112R	1.835	46.61	1.615	41.02	1.448	36.78	.315	8.00	.429	10.90	1.450	36.83	.197	5.01

Wire Length Tolerance			
In.		mm.	
≤1ft	+ 1" -0"	≤0.3m	+ 25mm -0mm
1ft ≤ 5ft	+ 2" -0"	0.3m ≤ 1.5m	+50mm -0mm
5ft ≤ 10ft	+4" -0"	1.5m ≤ 3m	+ 100mm -0mm
10ft ≤ 25ft	+6" -0"	3m ≤ 7.5m	+ 150mm -0mm
≥ 25ft	+5%- 0%	≥ 7.5m	+5%- 0%