



**GMPMT-D113P with (6) #24 pins and (3) 2mm. sockets**

**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

Series	Shell Finish	Shell Size and Insert Layout	Cable Entry Style	Wire Gage for #24 Contacts (AWG)	Wire Gage for #16 Contacts (AWG)	Wire Type	Wire Color	Wire Length mm	Hardware	
GMPM	1 – Cadmium	B112P	T - Top Entry	4 – #24	16	K – M22759/11 600 Vrms Teflon® (TFE)	1 – White Wire	460 Wire length in millimeters, rounded up to the nearest 10 mm.	B P M M1 S S1 L K F R	
	2 – Nickel	B112R		6 – #26	18		J – M22759/33 600 Vrms Modified Cross-Linked Tefze® (ETFE)			2 – Yellow
	4 – Black Anodize	D112P		8 – #28	20					E – NEMA HP3-EB 600 Vrms Type E M16878/4 (TFE)
	5 – Gold	D112R		Omit for D112 and B112 layouts containing power contacts only.		F – NEMA HP3-ETB Type ET M16878/6 250Vrms				
	6 – Chem Film	D113P								
		D113R								
		E113P								
		E113R								
		G101P								
		G101R								
		G103P								
		G103R								
		G111P								
	G111R									

### Sample Part Number

GMPM	2 –	B112P	T	–	18	K	7 –	460	B
------	-----	-------	---	---	----	---	-----	-----	---

## MICRO-D MOUNTING HARDWARE

B	P	M	M1	S	S1	L	K	F	R
Thru-Hole	Jackpost	Jackscrew Hex Head	Jackscrew Hex Head	Jackscrew Slot Head	Jackscrew Slot Head	Jackscrew Hex Head	Jackscrew Slot Head	Float Mount Front Panel	Float Mount Rear Panel

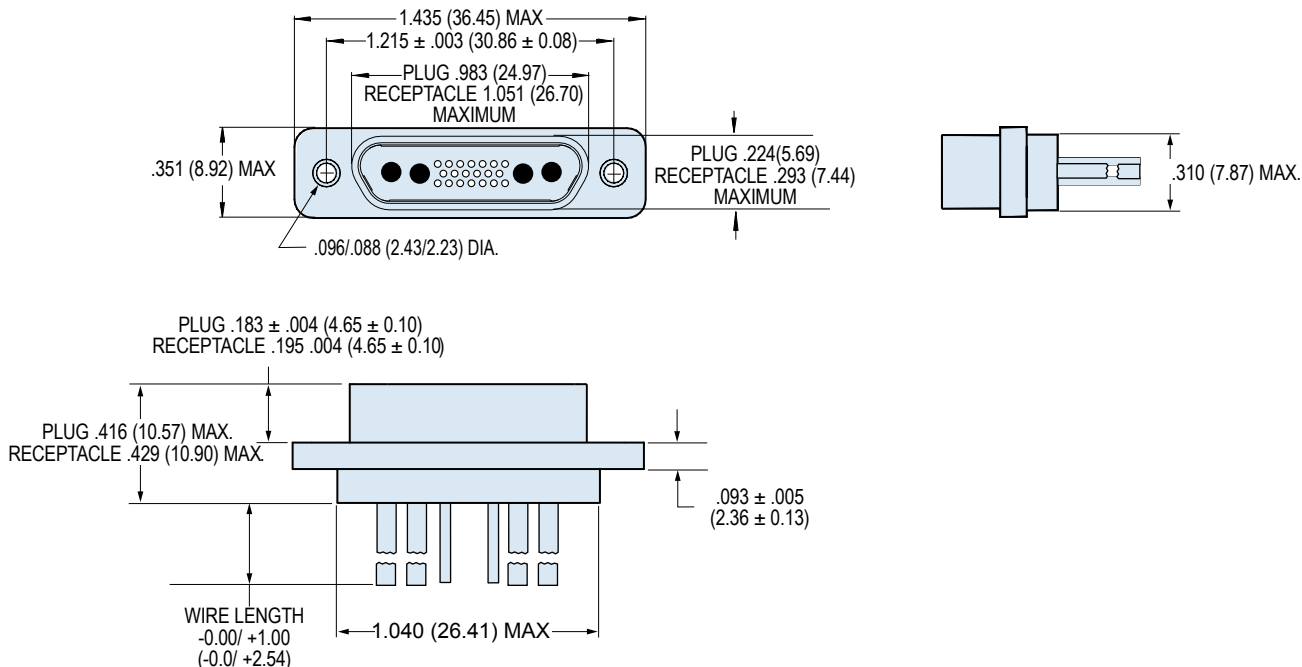
## PERFORMANCE SPECIFICATIONS

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
Low Level Contact Resistance	32 Milliohms Max. Signal Contacts
Magnetic Permeability	2 $\mu$ Maximum
Operating Temperature	-55° C. to +150° C.
Shock	50 g.
Vibration	20 g.
Outgassing	Meets NASA Outgassing Requirements
Mating Force	(10 Ounces) X (# of Contacts)

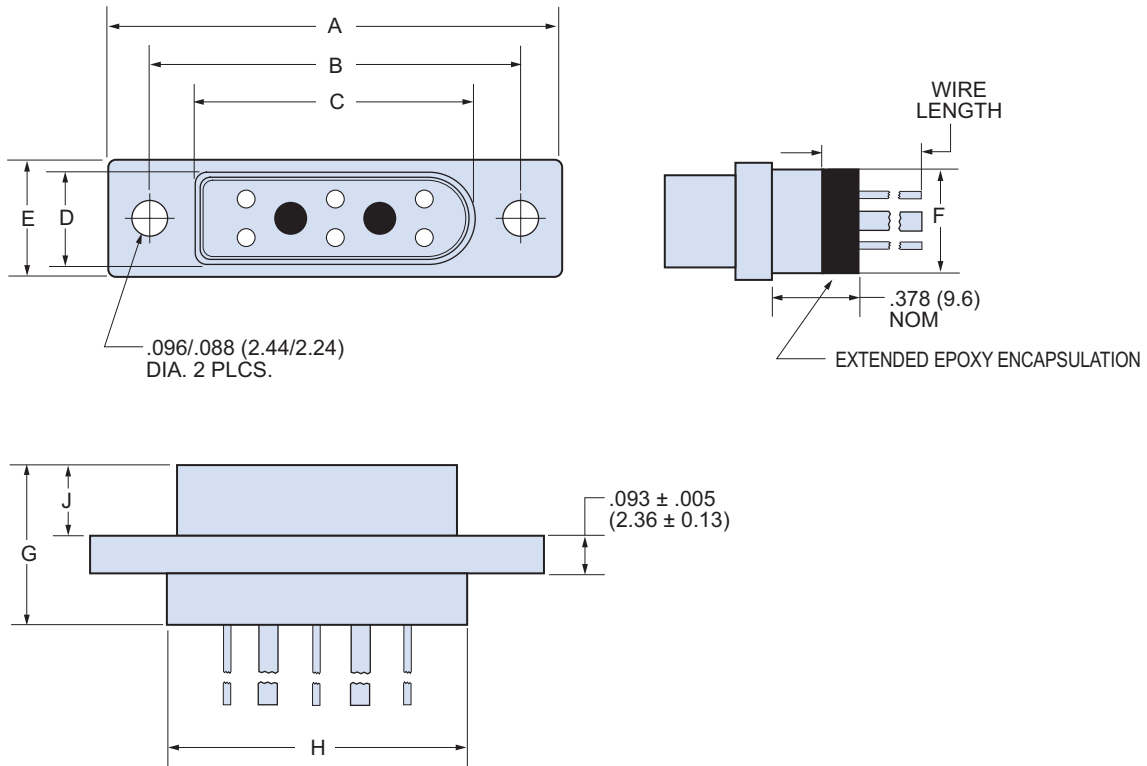
## MATERIALS AND FINISHES

Connector Shell	Aluminum Alloy 6061. See Ordering Info for Plating Options.
Insulator	Liquid Crystal Polymer (LCP)
Interfacial Seal	Flourosilicone Rubber, Blue
Pin Contact, TwistPin	Beryllium Copper With 50 Microinches Gold over Nickel Plating
Socket Contact, TwistPin	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 Hysol EE4215

## DIMENSIONS FOR SHELL SIZE G CONNECTORS



Dimensions for Shell Size G Connectors  
Layouts G101, G103, G111



Dimensions for Shell Size B, D, AND E Connectors  
Layouts B112, D112, D113, and E113

## COMBO PRE-WIRED CONNECTOR DIMENSIONS

Layout	A Max.		B		C Max.		D Max.		E Max.		F Max.		G Max.		H Max.		J Max.	
	In.	mm.	In. ± .003	mm. ± 0.08	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.
B112P	.935	23.75	.715	18.16	.481	12.21	.242	6.15	.315	8.00	.270	6.86	.416	10.57	.550	13.97	.184	4.68
B112R	.935	23.75	.715	18.16	.547	13.92	.315	8.00	.315	8.00	.270	6.86	.429	10.90	.550	13.97	.197	5.01
D112P	1.185	30.01	.965	24.51	.731	18.56	.242	6.15	.315	8.00	.270	6.86	.416	10.57	.800	20.32	.184	4.68
D112R	1.185	30.01	.965	24.51	.798	20.27	.315	8.00	.315	8.00	.270	6.86	.429	10.90	.800	20.32	.197	5.01
D113P	1.185	30.01	.965	24.51	.731	18.56	.242	6.15	.315	8.00	.270	6.86	.416	10.57	.800	20.32	.184	4.68
D113R	1.185	30.01	.965	24.51	.798	20.27	.315	8.00	.315	8.00	.270	6.86	.429	10.90	.800	20.32	.197	5.01
E113P	1.335	33.91	1.115	28.32	.881	22.37	.242	6.15	.315	8.00	.270	6.86	.416	10.57	.950	24.13	.184	4.68
E113R	1.335	33.91	1.115	28.32	.948	24.08	.315	8.00	.315	8.00	.270	6.86	.429	10.90	.950	24.13	.197	5.01