

Selection Guide: Coax and Combo Coax Contact Arrangements • Materials and Finishes • Panel Cutouts

The Series GMMD is an innovative modular Micro-D connector for RF coax and high-speed differential datalink applications. The unique micro miniature design of the GMMD also accommodates standard analog signal and power contacts, making it the most versatile Micro-D rectangular in the industry. GMMD leverages RF Coax contacts with Glenair Signature Micro-D and Nano TwistPin contact inserts. GMMD is supplied as factory-terminated pigtails, point-to-point jumpers, and SMT receptacles for easy PCB mounting.

Connector Selection Guide



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 Horizontal PCB-mount Coax receptacles
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GMMD COAX AND COMBO COAX CONTACT ARRANGEMENTS (additional arrangements are available, consult factory)			
Contact Arrangement	2C	4C	6C
Shell Size	9	21	25
No. / type of contacts	2 X 50Ω Coax	4X 50Ω Coax	6X 50Ω Coax
Contact Arrangement	8C	16C	
Shell Size	37	67	
No. / type of contacts	8 X 50Ω Coax	16X 50Ω Coax	
Contact Arrangement	2C9	1V9	2V9
Shell Size	21	21	31
No. / type of contacts	2X 50Ω Coax, 9 X #24	1 X 75Ω Coax, 9 X #24	2 X 75Ω Coax, 9 X #24

GMMD MODULAR HIGH-SPEED MICRO-D STANDARD MATERIALS AND FINISHES	
Connector Shell, Metal	Aluminum Alloy 6061 IAW SAE AMS-QQ-A-250/11: Plating code 2: electroless nickel IAW ASTM B733 / Plating code 5: gold plated IAW ASTM B488 over electroless nickel IAW ASTM B733-90. / Plating code 6: chem film IAW MIL-C-5541 Class 3 Stainless Steel, 300 Series: Plating Code 3: Passivated IAW SAE AMS 2700
#24 Insulator and organizer tray	High-grade, high-temperature thermoplastic
Interfacial Seal (where applicable)	Fluorosilicone rubber IAW MIL-R-25988
#24 Pin Contact (TwistPin)	Beryllium copper, gold plated IAW ASTM B 488 Type II Class 1.27 (50 Min minimum) Code C, over nickel underplate IAW SAE AMS-QQ-N-290, class 2, (50-150 μin).
#24 Socket Contact	Phos bronze IAW ASTM 139 gold plated IAW ASTM B 488 Type II Class 1.27 (50 Min minimum) Code C, over nickel underplate IAW SAE-AMS-QQ-N-290, Class 2, (50-150 μin).
Coax isolating bush	High-grade thermoplastic
Encapsulant	High-temperature potting
Jackscrows, Jackposts, Float Mounts	Stainless steel, 300 series, passivated IAW SAE AMS 2700

COMPLETE LIST OF CONTACT ARRANGEMENTS			
50Ω Coax		75Ω Coax	
Arrangement	Shell Size	Arrangement	Shell Size
2C	9	1V	9
3C	15	2V	15
4C	21	3V	21
5C	21	4V	25
6C	25	5V	31
7C	31	6V	37
8C	37	8V	51-2
9C	37	10V	67
12C	51-2	1V9	21
16C	67	2V9	25
2C9	21	3V9	31
4C9	31	4V9	37
8C9	51-2	6V9	51-2
11C9	67	8V9	67
1C15	25	1V15	25
2C15	31	2V15	31
4C15	37	3V15	37
6C15	51-2	5V15	51-2
10C15	67	7V15	67
1C21	31	2V21	37
2C21	37	4V21	51-2
5C21	51-2	6V21	67
8C21	67	1V25	37
2C25	37	3V25	51-2
4C25	51-2	6V25	67
8C25	67	2V31	51-2
3C31	51-2	5V31	67
6C31	67	2V37	51-2
2C37	51-2	4V37	67
5C37	67	2V51	67
2C51	67		

RECOMMENDED PANEL CUTOUT							
Layout Diagram		Layout	A	B	C	D	E
Front Panel Mount	Rear Panel Mount		mm. ± 0.08	mm. ± 0.05	mm. ± 0.05	mm. ± 0.05	mm. + 0.13, - 0.00
		9	14.35	10.41	2.31	7.04	6.50
		15	18.16	14.22	2.31	7.04	6.50
		21	21.97	18.03	2.31	7.04	6.50
		25	24.51	20.57	2.31	7.04	6.50
		31	28.32	24.38	2.31	7.04	6.50
		37	32.13	28.19	2.31	7.04	6.50
		51-2	41.02	37.08	2.31	7.04	6.50
		67	51.18	47.19	2.31	7.04	6.50