GMMD DIFFERENTIAL TWINAX

Modular High-Speed Micro-D Connectors



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



GMMD-HRE / -HRPE Horizontal PCB-mount Coax receptacles Page 84



GMMD-FP / -FPE / -FR / -FRP / -FPCC

Coax and Combo Coax jumpers and pigtails • Page 87

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

GMMD MODULAR HIGH-SPEED MICRO-D STANDARD MATERIALS AND FINISHES			
	Aluminum Alloy 6061 IAW SAE AMS-QQ-A-250/11: Plating code 2: electroless nickel IAW ASTM B733 / Plating code 5: gold		
Connector Shell, Metal	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 Bin Contact (TwictBin)	Beryllium copper, gold plated IAW ASTM B 488 Type II Class 1.27 (50 Min minimum) Code C, over nickel underplate IAW		
#24 Pin Contact (TwistPin)	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		
#24 Socket Contact	underplate IAW SAE-AMS-QQ-N-290, Class 2, (50-150 µin).		
Coax isolating bush	Coax isolating bush High-grade thermoplastic		
Encapsulant	High-temperature potting		
Jackscrews, Jackposts, Float Mounts	oat Mounts Stainless steel, 300 series, passivated IAW SAE AMS 2700		

