

OPTIMIZED
FOR USE WITH
SpeedLine
High-Speed Protocol Cables



The Modular Micro-D
Twinax / RF Coax
High-Speed Solution



Twinax and hybrid twinax
jumpers and pigtails supplied
with SpeedLine 963-065-30
100 Ohm shielded twisted
pair cable



GMMD: 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 Glenair Signature Micro and Nano TwistPin contact inserts, as well as ultra small form-factor differential twinax modules delivering 18 Gb/second per pair and RF to 20 GHz. GMMD is supplied as factory-terminated pigtails, point-to-point jumpers, and SMT receptacles for easy PCB mounting.



Glenair Signature Twinax contact modules (left) are fully shielded for outstanding cross-talk isolation and signal integrity. Standard Micro-D TwistPin contact modules deliver reliable performance IAW MIL-PRF-83513.

- Low crosstalk, high bandwidth twinax modules for 18Gb/s per pair and RF up to 20GHz
- Cable and 90° PCB configurations for matched 100 Ohm differential impedance performance from I/O to board
- SMT receptacles for easy PCB mounting
- Combo layouts include twinax, 50 and 75Ω coax, mixed signal and power
- TwistPin contacts for low resistance and high shock and vibe performance
- Standard Micro-D shell sizes and hardware

MICRO MINIATURE
GMMD Modular High-Speed Micro-D Connectors



Twinax, Coax, and Combo contact arrangements

GMMD DISCRETE CONNECTORS AND PIGTAIL / JUMPER ASSEMBLIES



Horizontal PCB-mount twinax and combo twinax receptacles



Vertical PCB-mount twinax and combo twinax plug and receptacles



Twinax and combo twinax jumpers and pigtails



Horizontal PCB-mount coax and combo coax receptacles



Coax and combo coax jumpers and pigtails

GMMD TWINAX AND COMBO TWINAX CONTACT ARRANGEMENTS (additional arrangements are available, consult factory)					
Contact Arrangement	2T	4T	2T9	2T15	4T9
Shell Size	9	15	21	25	31
No. / type of contacts	2 Twinax	4 Twinax	2 Twinax, 9 #24	2 Twinax, 15 #24	4 Twinax, 9#24
Example applications	SpFi	10GbE, 2xSATA, SpW, 2xSpFi	USB 3.1, SATA + power		HDMI, DP, DVI, 10GbE + power
Contact Arrangement	5T9	8T	4T15	8T15	4T31
Shell Size	31	31	37	51-2	51-2
No. / type of contacts	5 Twinax, 9 #24	8 Twinax	4 Twinax, 15 #24	8 Twinax, 15 #24	4 Twinax, 31 #24
Example applications	DP incl. Aux channels	2x10GbE		DP or HDMI + USB 3.1, dual DVI	
Contact Arrangement	12T15	6T37	8T31	16T	
Shell Size	67	67	67	67	
No. / type of contacts	12 Twinax, 15 #24	6 Twinax, 37 #24	8 Twinax, 31 #24	16 Twinax	
Example applications				4x10GbE	

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
Contact Arrangement	4V		
Shell Size	21		
No. / type of contacts	4 X 75Ω Coax		

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