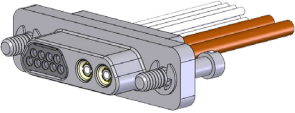
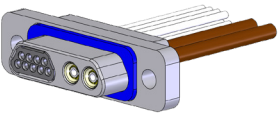
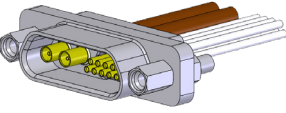
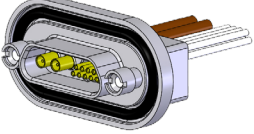
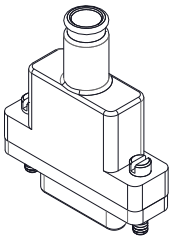
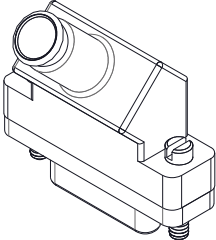
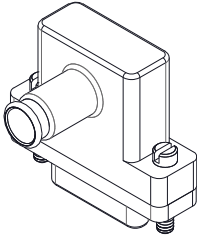
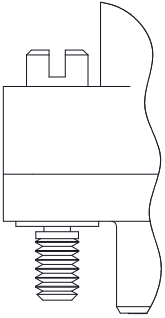
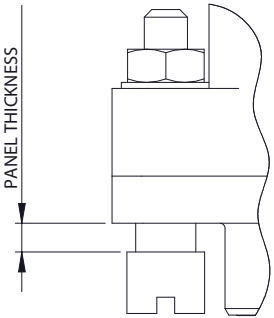
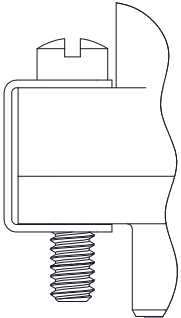
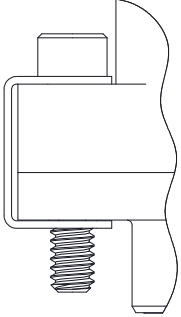
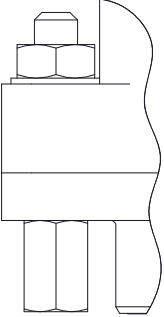
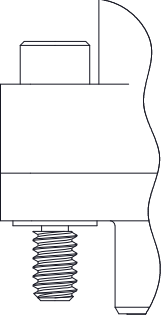
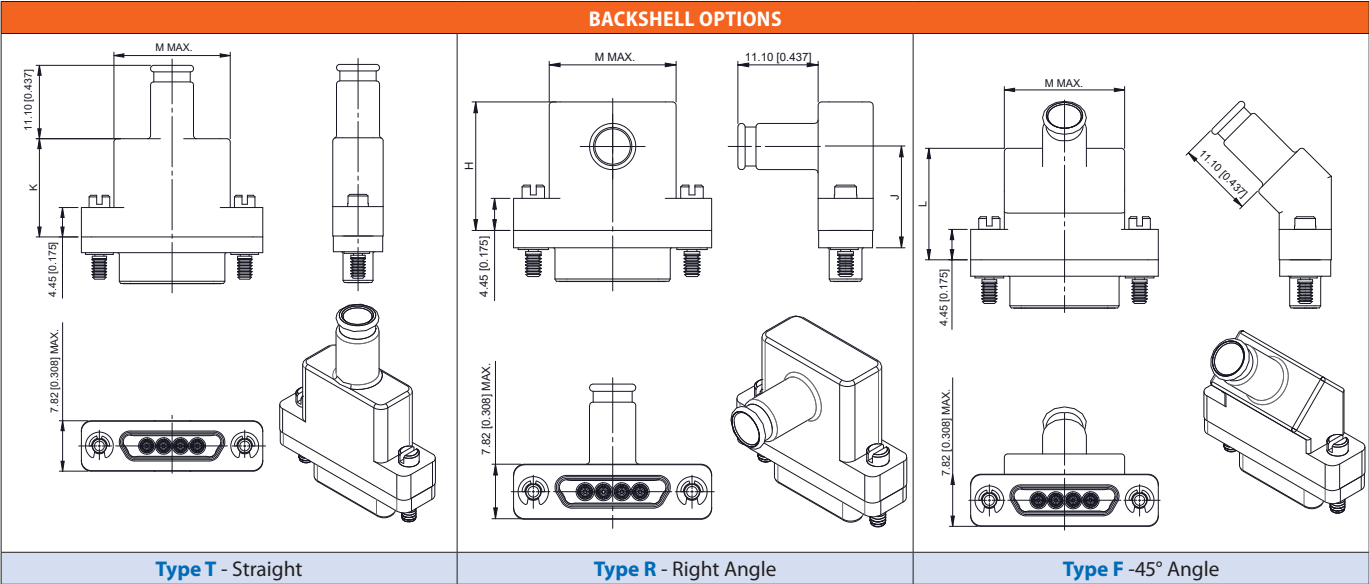




GMMD Back-to-back jumper and flying-lead pigtail assemblies
Selection guide • Backshell and hardware options

COAX AND COMBO COAX CABLE ASSEMBLY CONNECTOR SELECTION GUIDE			
			
GMMD-FP Cable Plug	GMMD-FPE Cable Plug, Environmental	GMMD-FR Cable Receptacle	GMMD-FRP Rear Panel Mount Cable Receptacle
PLUG BACKSHELL OPTIONS			
			
GMMD-***-T Top Entry	GMMD-***-F 45° Entry	GMMD-***-R 90° Side Entry	
HARDWARE OPTIONS (BACKSHELLS SHOWN FOR REFERENCE ONLY)			
			
1 - Circlip-Retained Jackscrew	Rear Panel Mount Jackpost Nut (specify letter for panel thickness) T =2.4 U =2.0 V =1.6 W =1.2 X =0.8 Y =0.6	3 - Clip-Retained Fillister Head Jackscrew	
			
4 - Clip-Retained Socket Head Jackscrew	5 - Clip-Retained Extended Jackscrew	S - Hexagonal Jackpost, Nut and Spring Washer	7 - Circlip-retained socket head jackscrew

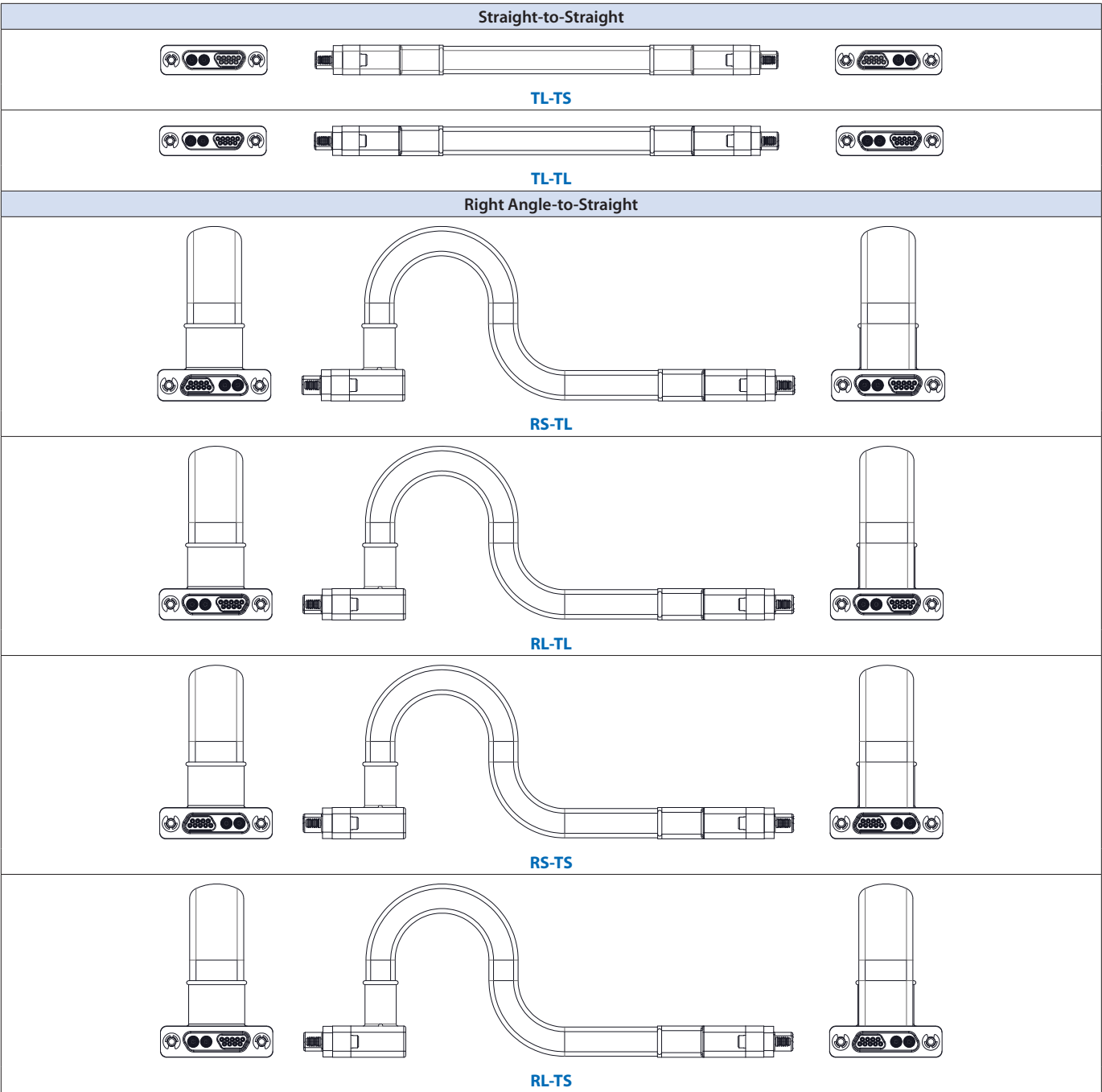
GMMD Back-to-back jumper and flying-lead pigtail assemblies
 Backshell dimensions



PLUG AND BACKSHELL DIMENSIONS					
Shell size	H (mm)	J (mm)	K (mm)	L (mm)	M (mm)
9	16.20	11.10	8.90	15.01	10.16
15	17.10	11.20	11.95	16.01	13.97
21	18.00	11.70	15.00	16.76	17.78
25	19.00	12.30	16.50	16.81	20.32
31	19.20	12.10	18.00	16.84	27.94
37	19.70	12.10	19.00	17.24	36.83
51-2	21.80	13.90	19.80	17.24	47.18
67	21.80	13.90	19.80	18.86	57.34



GMMD Back-to-back jumper and flying-lead pigtail assemblies
Cable configurations

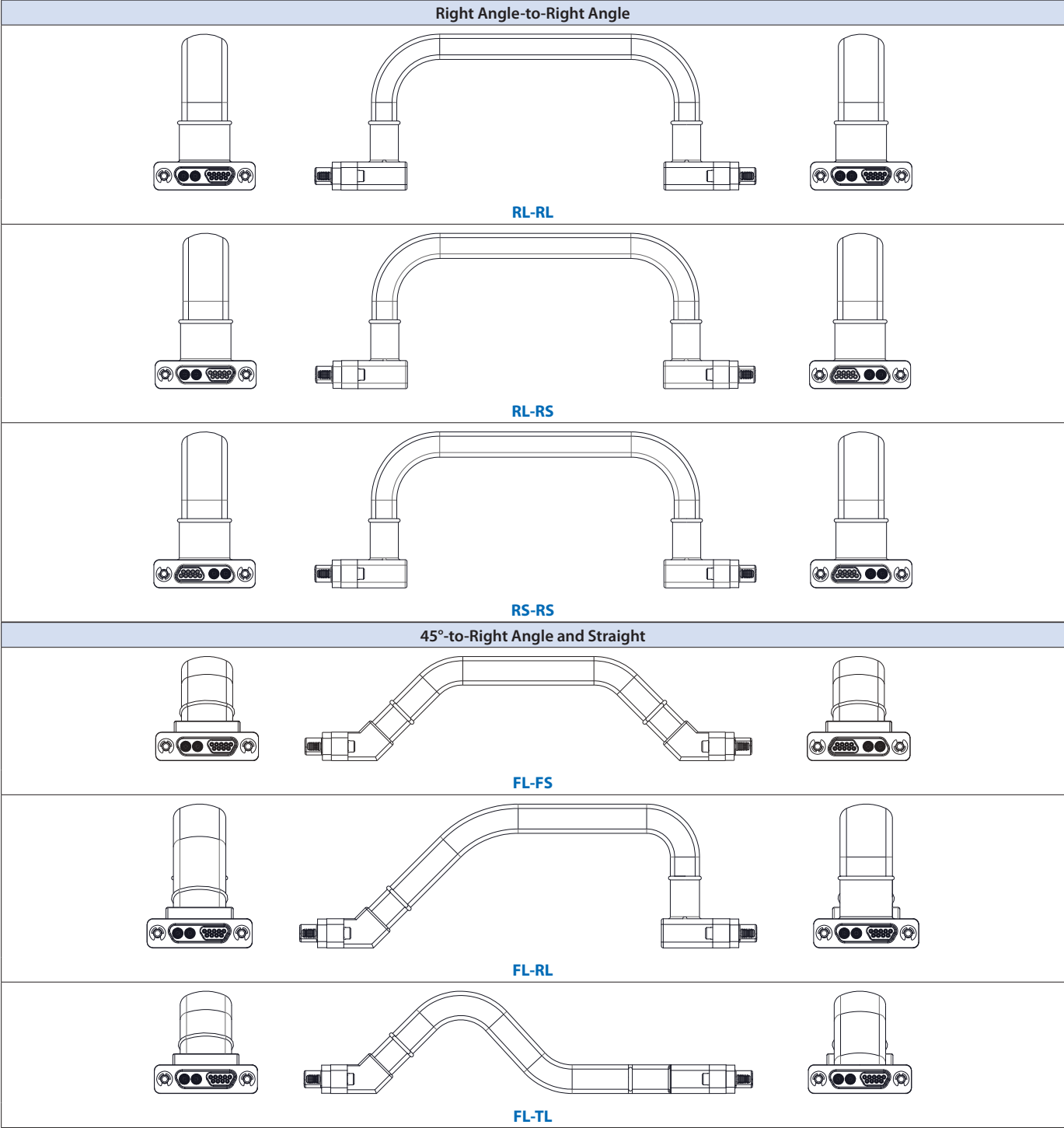


GMMD MODULAR MICRO-D RF MULTI-PORT CONNECTORS



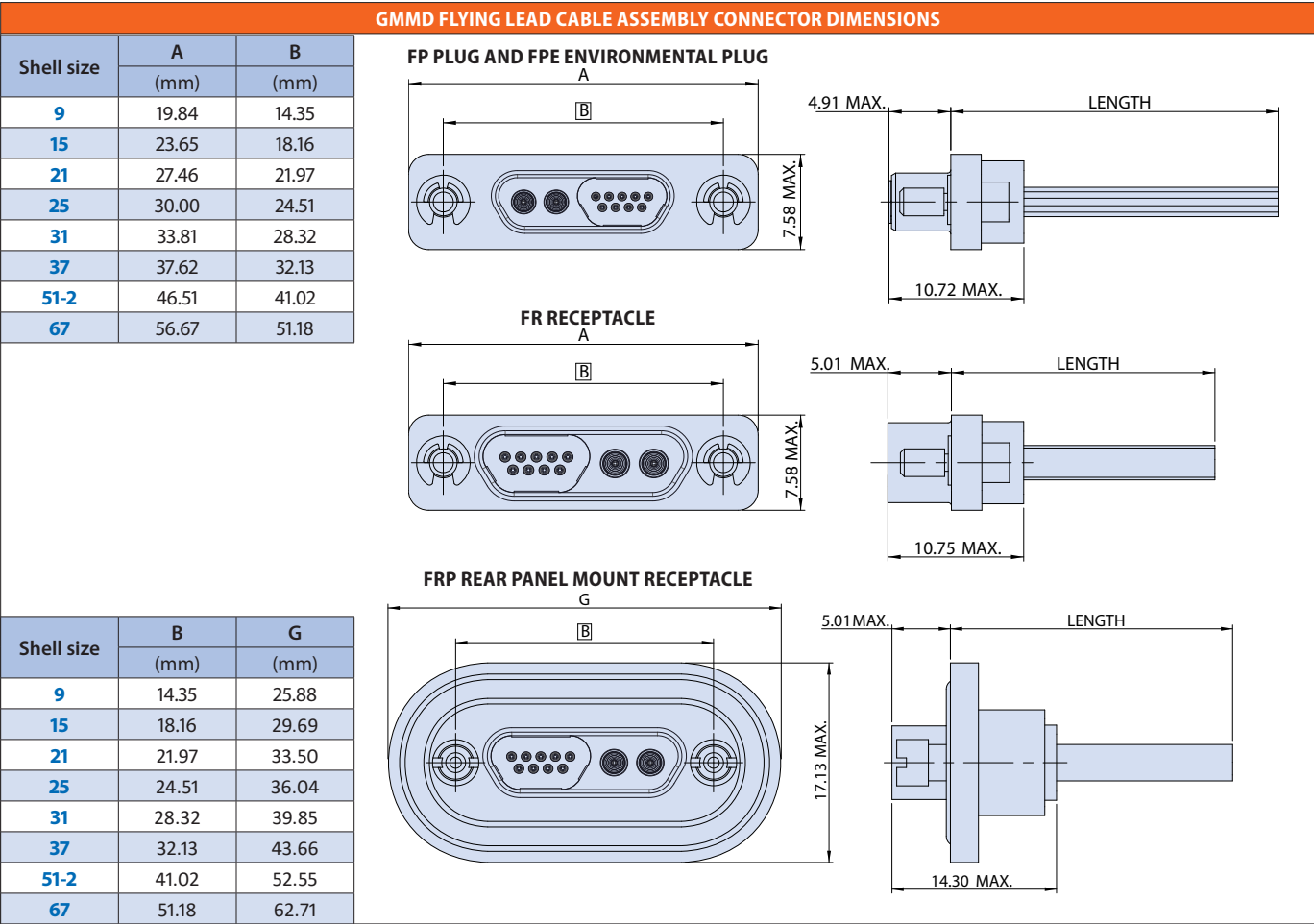
GMMD Back-to-back jumper and flying-lead pigtail assemblies
Cable configurations

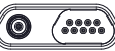
GMMD MODULAR MICRO-D RF MULTI-PORT CONNECTORS



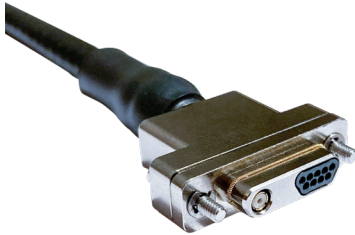


GMMD Flying-lead pigtail assemblies
Cable configurations and contact arrangements



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	31			67	
No. / type of contacts	8 X 50Ω Coax			16X 50Ω Coax	
					
Contact Arrangement	1C9	2C9	1V9	2V9	4V
Shell Size	15	21	21	31	21
No. / type of contacts	1 X 50Ω Coax 9 X #24	2X 50Ω Coax, 9 X #24	1 X 75Ω Coax, 9 X #24	2 X 75Ω Coax, 9 X #24	4 X 75Ω Coax

GMMD MODULAR MICRO-D RF MULTI-PORT CONNECTORS



		HOW TO ORDER																
	<i>Sample Part Number</i>	GMMD	-FPE	2C15	-C	M	A	N	R	L	5	-FPE	T	S	3	2	-800	-2
Series	GMMD = Glenair Modular High-Speed Micro-D																	
Connector 1 Type	FP = Plug FPE = Plug Environmental FR = Receptacle FRP = Rear Panel Mount Receptacle																	
Contact Arrangement	2C9 = 2 X 50Ω Coax + 9 X #24 discretes 4V15 = 4 X 75Ω Coax + 15 X #24 discretes 8C = 8 X 50Ω Coax																	
Coax Cable	-C = 50Ω RG178 -V = 75Ω RG179 -D = 50Ω 047 Semi-Rigid -W = 75Ω Semi-Rigid -E = 50Ω 047 Flexible																	
Signal Cables*	L = 24AWG GS22759/33 wire N = 28AWG GS22759/33 wire M = 26AWG GS22759/33 wire O = 30AWG GS22759/33 wire																	
Shield Options	A = SnCu braid (100-001A) B = 100% AmberStrand (103-026) C = 100% ArmorLite (103-051) E = AgCu braid (100-002A) F = NiCu braid (100-003A) N = no braid																	
Jacket Options	D = Thin-Wall Heatshrink (VG 95343 part 5 type D) G = Monofilament PEEK braid (102-051) H = Nomex® Braid (103-013) J = LSZH Heatshrink (-30°C to +105°C; VG 95343 part 5 type L) N = No Jacket																	
Backshell 1 Type	T = Straight Backshell R = 90° Backshell F = 45° Backshell O = no backshell																	
Wire Exit Direction	L = in direction of long row of D-form S = in direction of short row of D-form (for straight or no backshell, L is the default)																	
Hardware Options 1	See Hardware Options Table																	
Connector 2 Type	FP = Plug FPE = Plug Environmental FR = Receptacle FRP = Rear Panel Mount Receptacle																	
Backshell 2 Type*	T = Straight Backshell R = 90° Backshell F = 45° Backshell O = no backshell																	
Wire Exit Direction*	L = in direction of long row of D-form S = in direction of short row of D-form																	
Hardware Options 2*	See Hardware Options Table																	
Shell Material / Finish	-2 = Aluminum / Electroless Nickel -3 = Stainless Steel / Passivated -5 = Aluminum / Gold -6 = Aluminum/Alchromate -7 = Aluminum / Nickel-PTFE -8 = Aluminum / Zinc-Nickel, Black																	
Overall Length	mm (metric)																	
Gasket Material for FPE and FRP*	-1 = Fluorosilicone -2 = Passivated silver-plated aluminum-filled fluorosilicone -3 = Nickel-plated aluminum-filled fluorosilicone																	

* - Omit if not used



GMMD Flying-lead pigtail assemblies
Plug, environmental plug, cable receptacle, rear-mount cable receptacle



Flying lead Coax and combo coax cable assemblies provide a flexible solution for easy on-site installation. Prewired assemblies are supplied with GMMD plug or receptacle on one end in a choice of any GMMD Coax or combo coax arrangement. Environmental seal options are available for plug connectors. 50Ω and 75Ω Coax cable may be ordered in flexible or semi-rigid constructions. Signal cable available in 24 – 30 AWG IAW M22759/33. Wire and cable are individually EMI shielded with five optional braid materials, including Glenair Signature weight-saving composite microfilament AmberStrand or microfilament stainless steel ArmorLite. Outer jacket options available for environmental and abrasion protection. Integral backshell, hardware, and wire exit direction all fully customizable. Consult factory for space-flight screening and outgassing.

HOW TO ORDER														
Sample Part Number		GMMD	-FPE	2C9	-A	M	A	N	R	L	5	0	2	-800
Series	GMMD = Glenair Modular High-Speed Micro-D													
Connector 1 Type	FP = Plug FPE = Plug Environmental FR = Flying Lead Receptacle FRP = Rear Panel Mount Flying Lead Receptacle													
Contact Arrangement	See Table. Consult factory for additional arrangements.													
Coax Cable	-C = 50Ω RG178													



GMMD-FPCC GMMD Plug-to-Coax contact jumper assembly
for inside-the-box coax contact connectivity

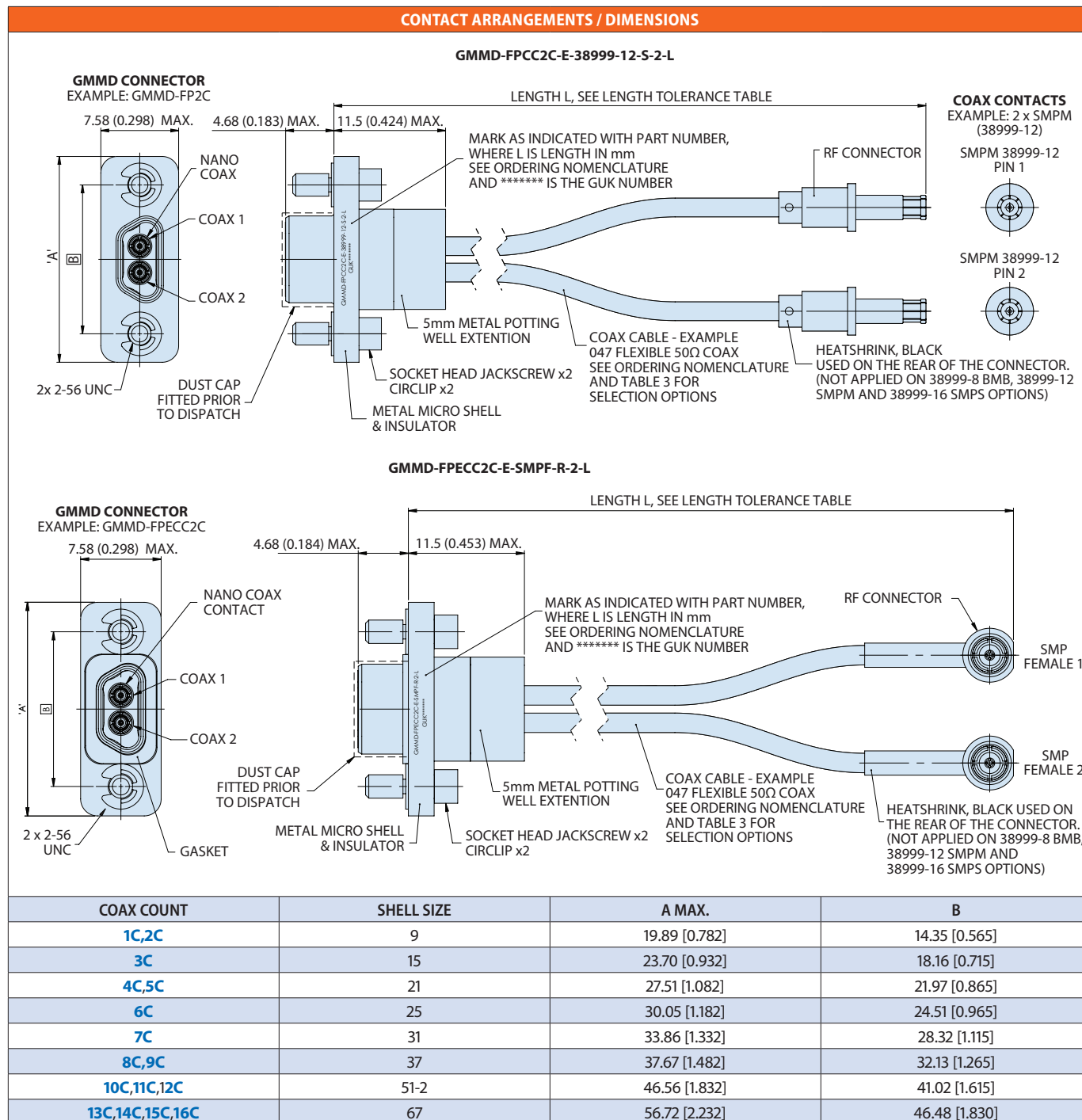
GMMD MODULAR MICRO-D RF MULTI-PORT CONNECTORS

GMMD Plug-to-Coax contact jumpers provide a turnkey solution for inside-the-box coax contact connectivity. Ten contact arrangements in eight shell sizes are offered for Size #8 BMB, Size #12 SMPM, or Size #16 SMPS Coax contacts, with three cable type options.

HOW TO ORDER										
Sample Part Number		GMMD	-FPCC	2C	-E	-SMPM	-S	-2	-150	-1
Series	GMMD = Glenair Modular High-Speed Micro-D									
GMMD Connector	-FP = Plug -FPE = Sealed Plug -FPP = Panel Mount Plug									
Contact Arrangement	See Table									
Coax Cable Type (see Compatibility table)	-C = RG178 50Ω Coax -D = Semi-Rigid 047 50Ω Coax -E = Flexible 047 50Ω Coax -F = Flexible 086 50Ω Coax (Consult Factory)									
Coax Contact Type (see Compatibility table)	38999-8 = 38999 BMB # 8 Pin		292 = 2.92mm Male							
	38999-12 = 38999 SMPM # 12 Pin		292F = 2.92mm Female							
	38999-16 = 38999 SMPS # 16 Pin		240 = 2.40mm Male							
	BMB = BMB Female		185 = 1.85mm Male							
	SMPM = SMPM Female		185F = 1.85mm Female							
	SMPS = SMPS Female		BNC = BNC Male							
	SMA = SMA Male		BNCF = BNC Female							
	SMAF = SMA Female		SMP = SMP Male							
			SMPF = SMP Female							
Coax Contact Orientation	S = Straight R = Right Angle									
Shell Material / Finish	2 = Aluminum / Electroless Nickel									
Flying Lead Length	mm (metric). e.g. -150 = 150mm (see length tolerance table)									
Sealing Option (FPE & FPP)	0 = No Seal									
	1 = Fluorosilicone law MIL-DTL-25988 Type II, Class I, Grade 70									
	2 = Passivated Silver Plated Aluminium Filled (Cho-Seal 1298 or Equivalent)									
	3 = Nickel Plated Aluminium Filled Fluorosilicone (Cho-Seal 6503 or Equivalent)									
	Omit For FP Connector Types									

TABLE 4 - CABLE COMPATIBILITY								
Coax Contact Orientation Type	Coax Contact/ Connector Type							
	C - RG178 Flexible 50Ω		D - C4613 Semi Rigid 50Ω		E - Flexible 50Ω		F - Flexible 50Ω	
	S	R	S	R	S	R	S	R
38999 BMB #8 Pin	X	X	(852-071-06)	X	(852-071-06)	X	(852-071-05)	X
38999 SMPM #12 Pin	X	X	(852-099-03)	X	(852-099-03)	X	(852-099-01)	X
38999 SMPS #16 Pin	X	X	(852-133-01)	X	(852-133-01)	X	X	X
BMB	X	X	X	X	X	X	✓	X
SMPM	X	X	✓	✓	✓	✓	✓	✓
SMPS	X	X	✓	X	✓	X	X	X
SMA Male	✓	✓	✓	✓	✓	✓	✓	✓
SMA Female	X	X	✓	X	✓	X	✓	✓
2.92mm Male	X	X	✓	✓	✓	✓	✓	✓
2.92mm Female	X	X	✓	X	✓	X	✓	X
2.40mm Male	X	X	✓	X	✓	X	✓	X
1.85mm Male	X	X	✓	X	✓	X	✓	X
1.85mm Female	X	X	✓	X	✓	X	✓	X
BNC Male	✓	✓	✓	X	✓	X	✓	✓
BNC Female	✓	X	X	X	X	X	✓	
SMP Male	X	X	✓	X	✓	X	X	✓
SMP Female	✓	✓	✓	✓	✓	✓	✓	✓

GMMD-FPCC GMMD Plug-to-Coax contact jumper assembly
for inside-the-box coax contact connectivity

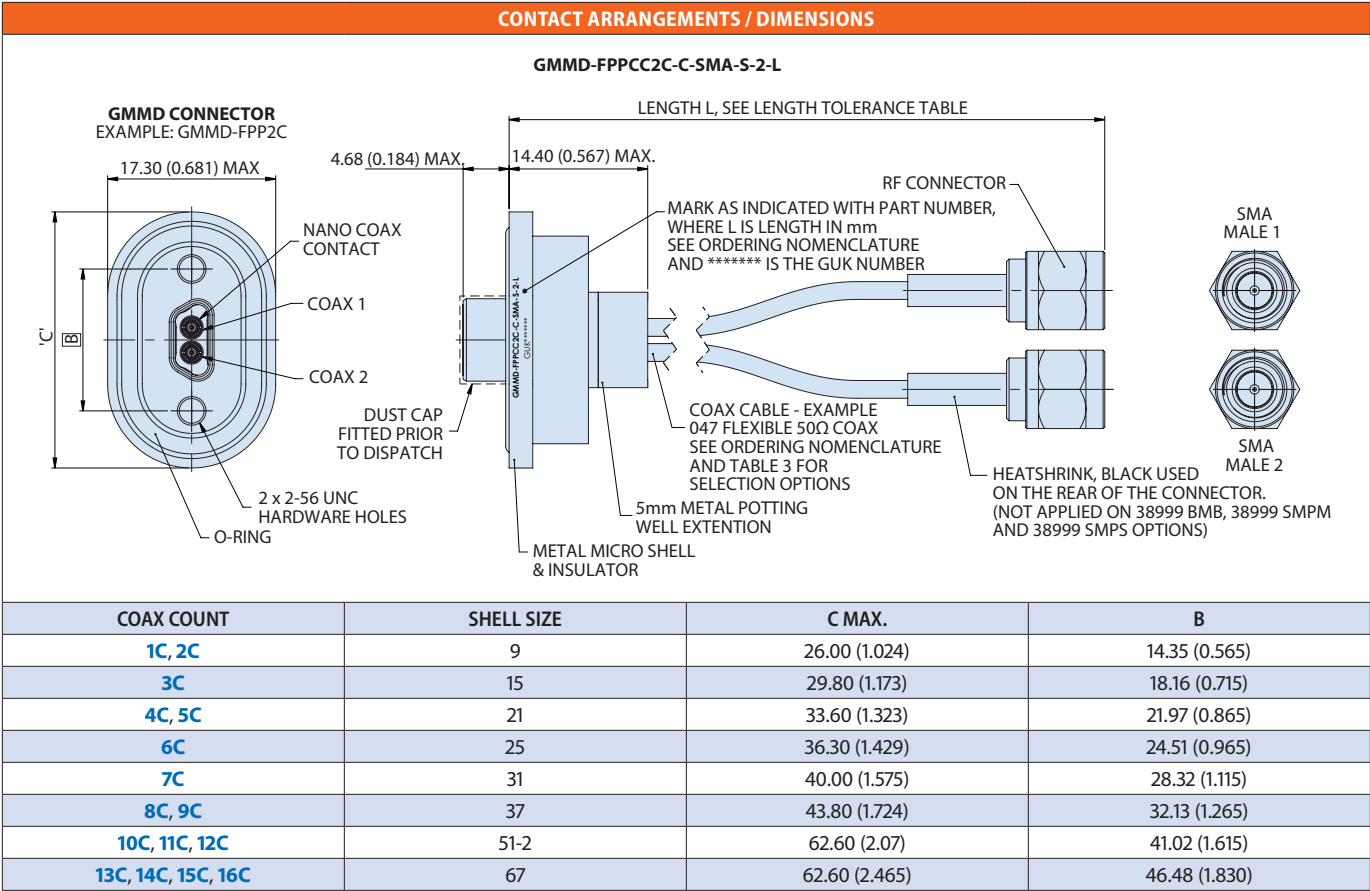


RF, Microwave, and mmWave Interconnects

GMMD Modular Micro-D RF Multi-Port Connectors

GMMD-FPCC GMMD Plug-to-Coax contact jumper assembly for inside-the-box coax contact connectivity

GMMD MODULAR MICRO-D RF MULTI-PORT CONNECTORS



LENGTH TOLERANCE	
L ≤ 0.3m (≤ 1.0 ft)	+25mm -0mm (+0.98" -0")
0.3m < L ≤ 1.5m (1.0 ft < L ≤ 4.9 ft)	+50mm -0mm (+1.96" -0")
1.5m < L ≤ 3.0m (4.9 ft < L ≤ 9.8 ft)	+100mm -0mm (+3.94" -0")
3.0m < L ≤ 7.5m (9.8 ft < L ≤ 24.6 ft)	+150mm -0mm (+5.91" -0")
L > 7.5m (L > 24.6ft)	+5% - 0%