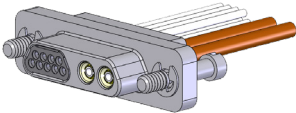
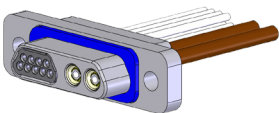
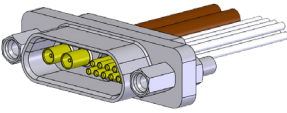
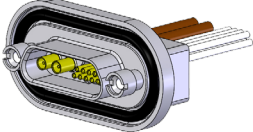
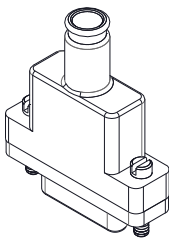
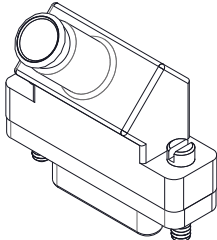
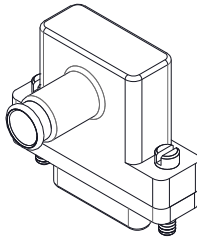
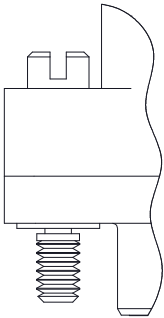
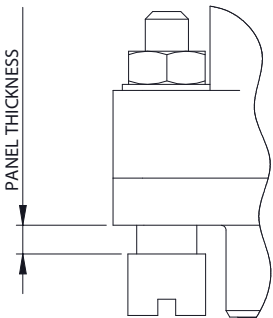
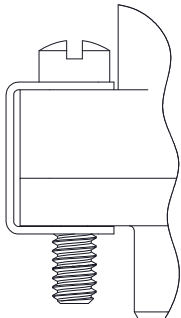
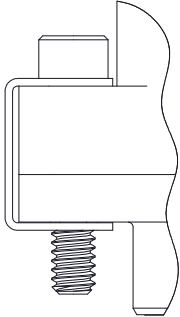
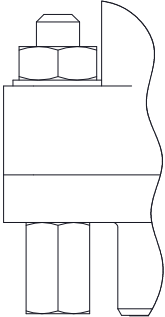
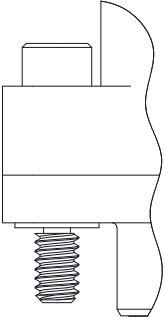




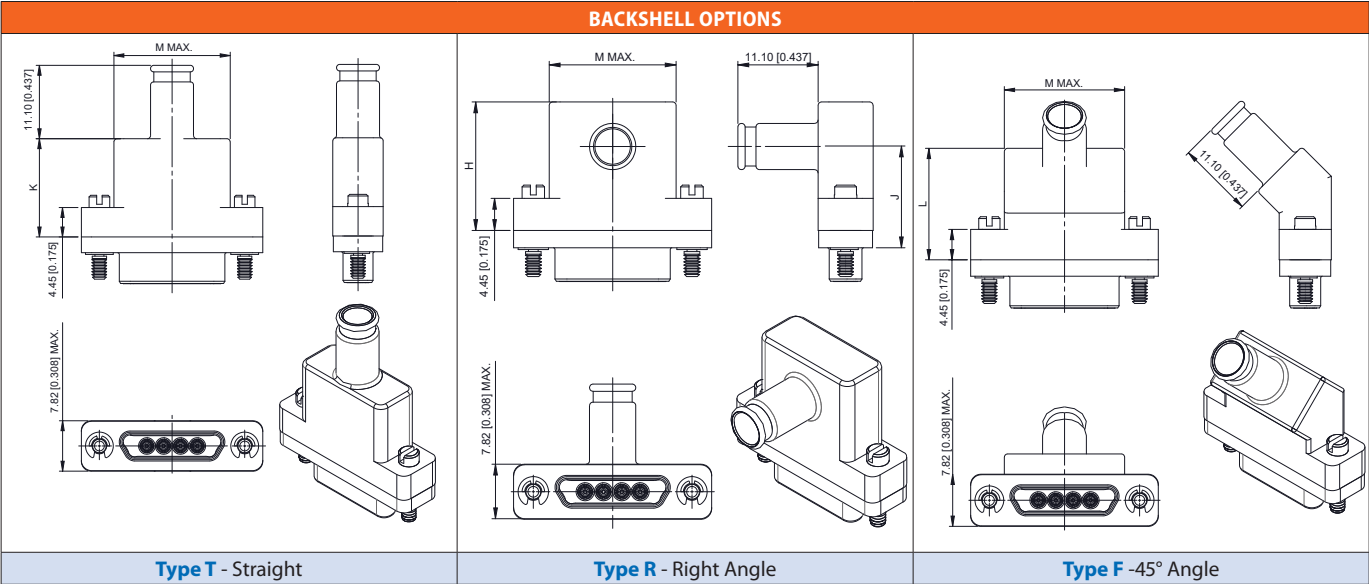
GMMD Back-to-back jumper and flying-lead pigtail assemblies
Selection guide • Backshell and hardware options

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)			
	 PANEL THICKNESS		
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

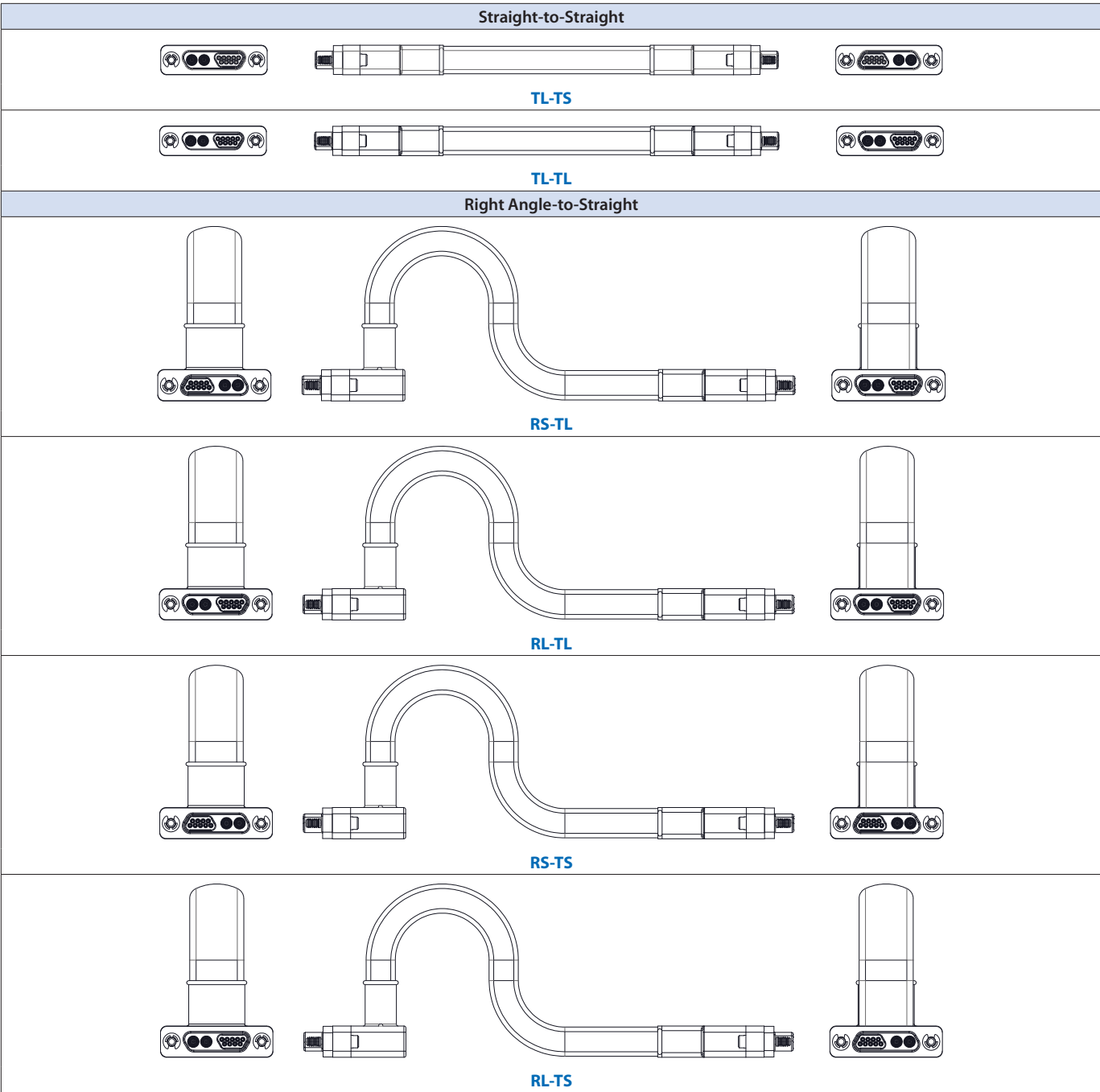
GMMD Back-to-back jumper and flying-lead pigtail assemblies
 Backshell dimensions



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



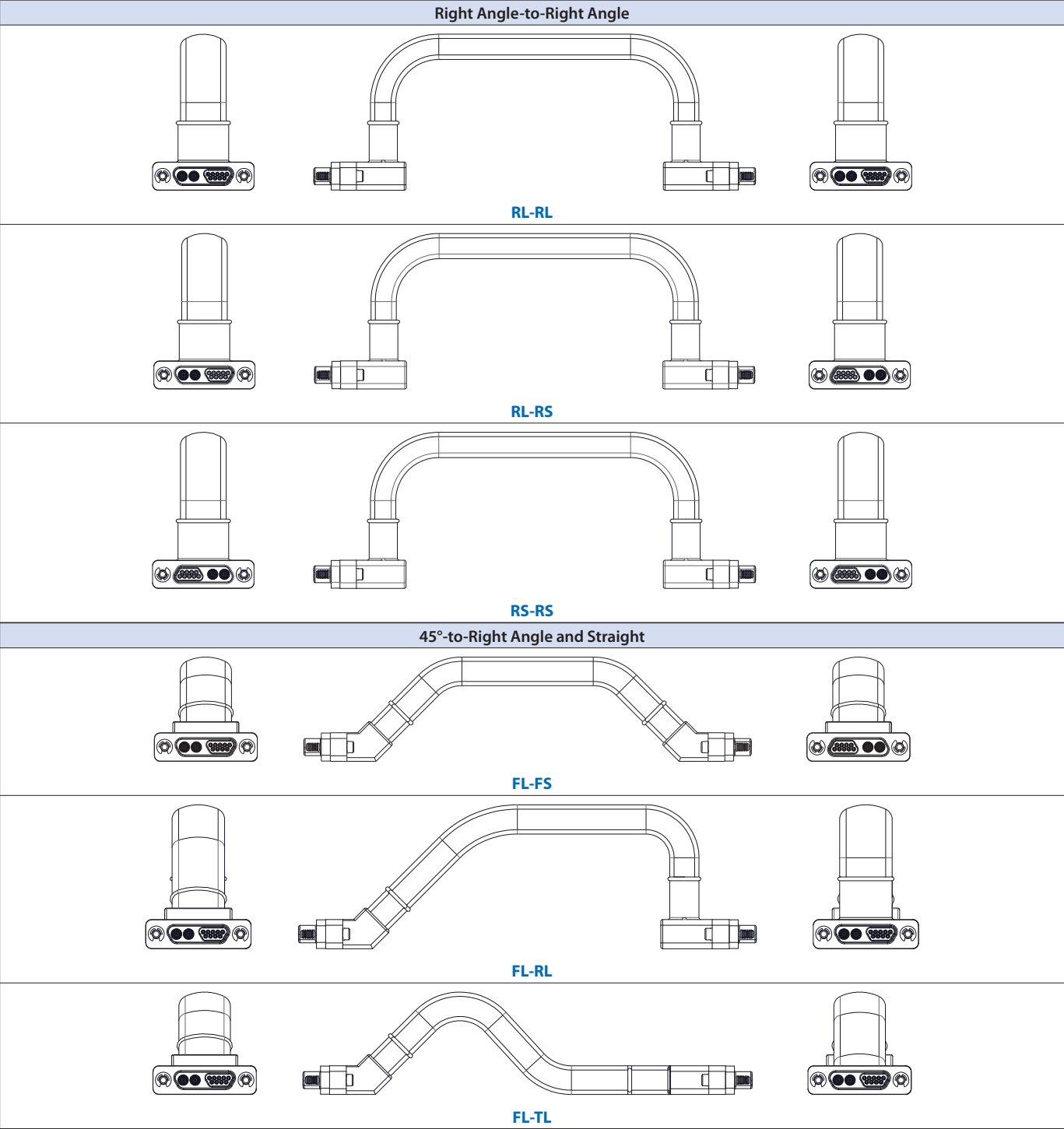
GMMD Back-to-back jumper and flying-lead pigtail assemblies
Cable configurations



GMMD MODULAR MICRO-D RF MULTI-PORT CONNECTORS

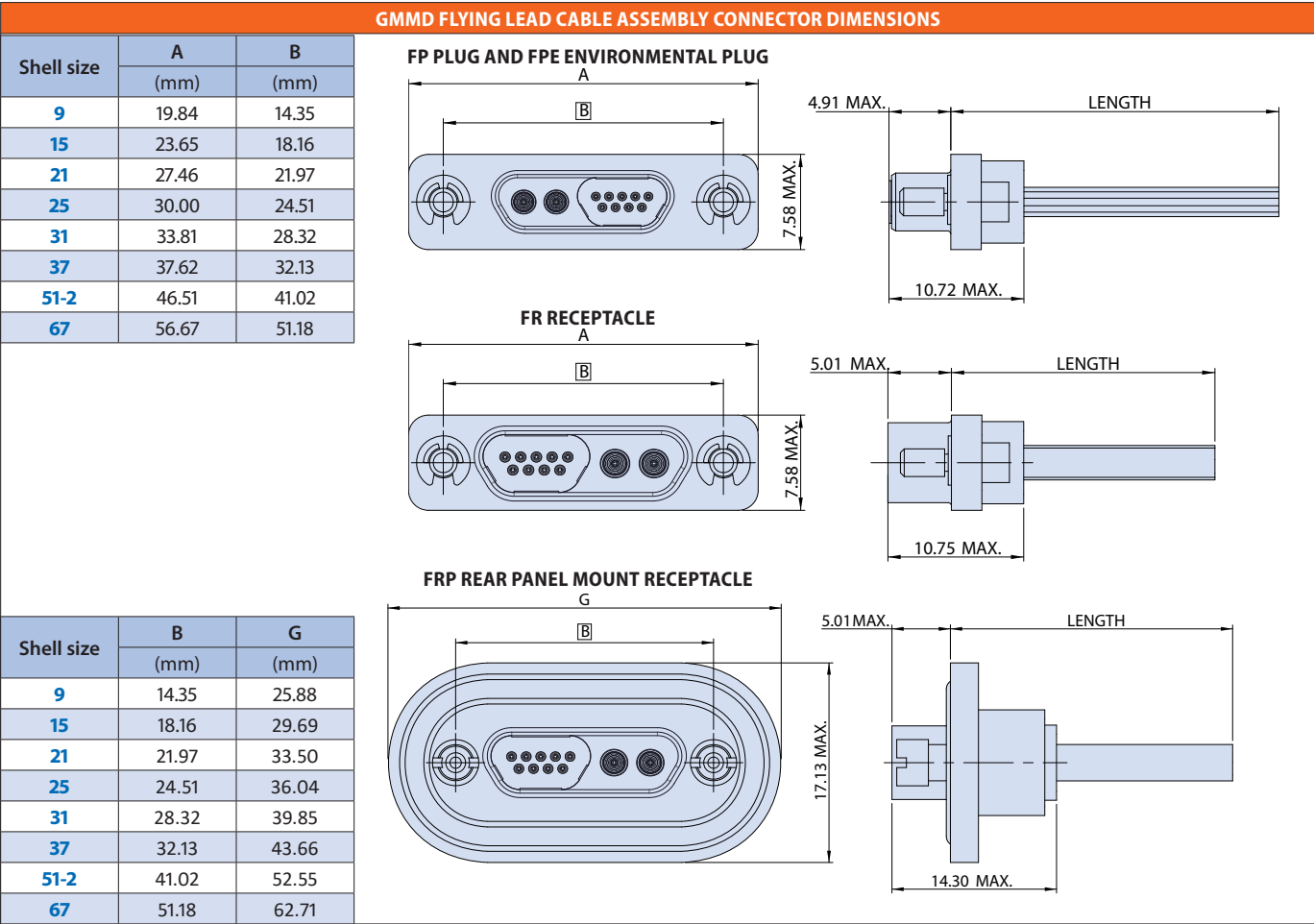
GMMD Back-to-back jumper and flying-lead pigtail assemblies
Cable configurations

GMMD MODULAR MICRO-D RF MULTI-PORT CONNECTORS



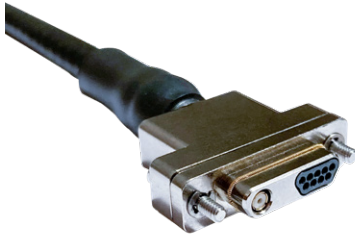


GMMD Flying-lead pigtail assemblies
Cable configurations and contact arrangements



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	-XX (length in mm)																	
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



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 -D = 50Ω 047 Semi-Rigid -E = 50Ω 047 Flexible		-V = 75Ω RG179 -W = 75Ω Semi-Rigid											
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 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	See Hardware Options Table													
[no second connector]	0													
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	-XX (length in mm)													
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 MODULAR MICRO-D RF MULTI-PORT CONNECTORS

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

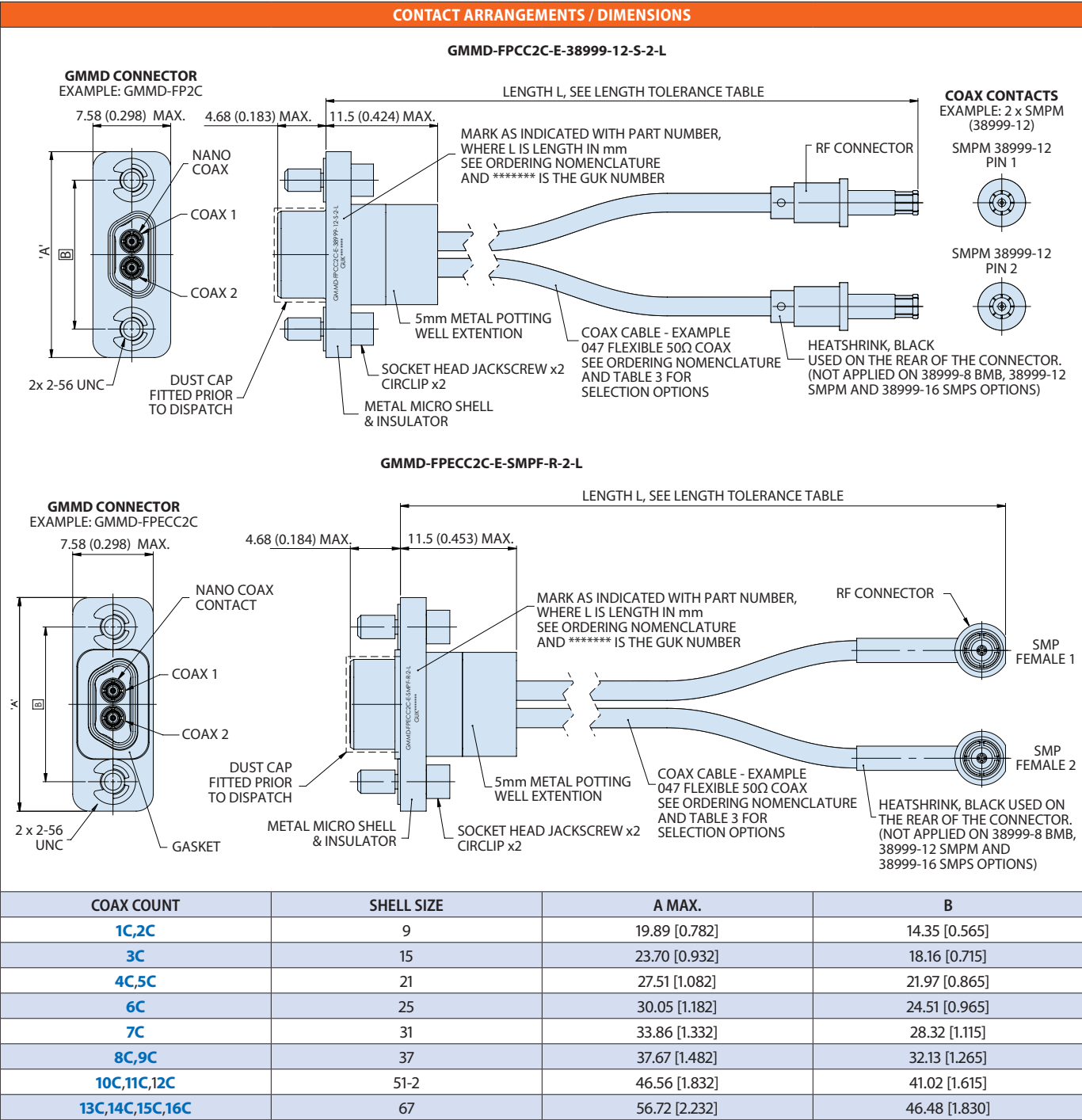
GMMD Plug-to-Coax contact jumpers provide a turnkey solution for inside-the-box coax contact connectivity. Ten contact arrangements in eight shell sizes are offered for Size #8 BMB, Size #12 SMPM, or Size #16 SMPS Coax contacts, with three cable type options.

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	-XXX length in mm. 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	✓	✓	✓	✓	✓	✓	✓	✓

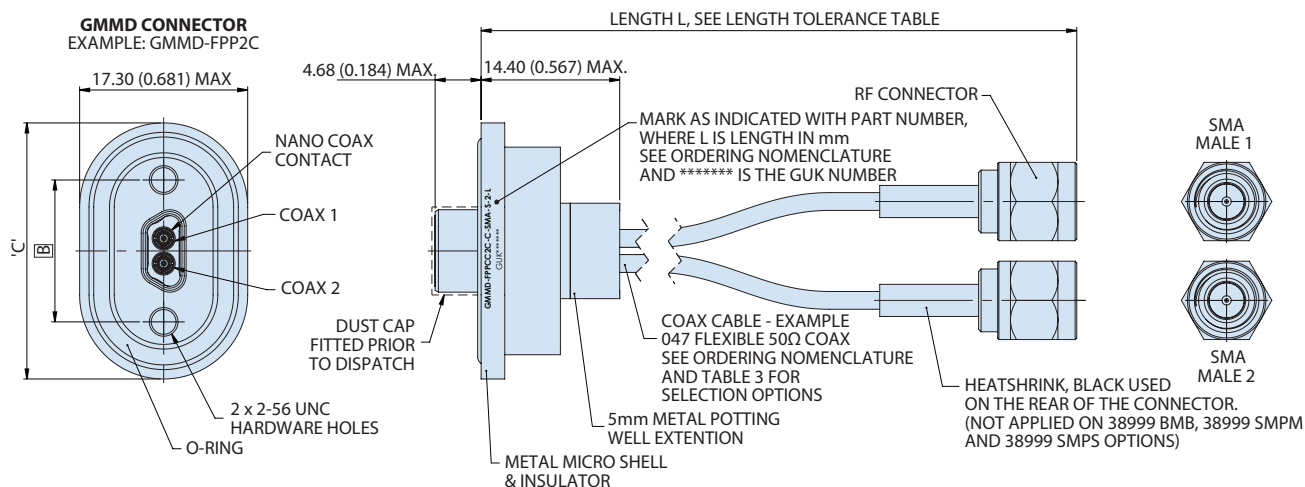


GMMD-FPCC GMMD Plug-to-Coax contact jumper assembly
for inside-the-box coax contact connectivity



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

GMMD-FPPCC2C-C-SMA-S-2-L



COAX COUNT	SHELL SIZE	C MAX.	B
1C, 2C	9	26.00 (1.024)	14.35 (0.565)
3C	15	29.80 (1.173)	18.16 (0.715)
4C, 5C	21	33.60 (1.323)	21.97 (0.865)
6C	25	36.30 (1.429)	24.51 (0.965)
7C	31	40.00 (1.575)	28.32 (1.115)
8C, 9C	37	43.80 (1.724)	32.13 (1.265)
10C, 11C, 12C	51-2	62.60 (2.07)	41.02 (1.615)
13C, 14C, 15C, 16C	67	62.60 (2.465)	46.48 (1.830)

$L \leq 0.3\text{m} (\leq 1.0\text{ ft})$	+25mm -0mm (+0.98" -0")
$0.3\text{m} < L \leq 1.5\text{m} (1.0\text{ ft} < L \leq 4.9\text{ ft})$	+50mm -0mm (+1.96" -0")
$1.5\text{m} < L \leq 3.0\text{m} (4.9\text{ ft} < L \leq 9.8\text{ ft})$	+100mm -0mm (+3.94" -0")
$3.0\text{m} < L \leq 7.5\text{m} (9.8\text{ ft} < L \leq 24.6\text{ ft})$	+150mm -0mm (+5.91" -0")
$L > 7.5\text{m} (L > 24.6\text{ ft})$	+5% -0%