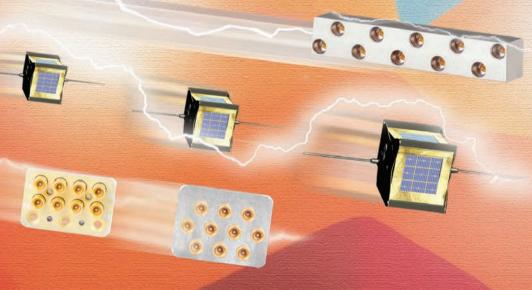


SMP, SMPM, SMP3 GANG MOUNTS





BLIND MATE RF GANG MOUNTS





Whether it's real estate on your PCB or backplane, or improving true position of blind mate RF Interfaces, Delta's ganged RF design solutions are the answer.

Features and Benefits of SMPM-G Gang Mounts

Ideal for blind mate applications: cable-to-board, cable-to-cable and board-to-board mechanical schemes.

Delta's SMPM-G housings are standardized with 2, 3, 4, 5, 6, 7, and 8 port designs.

SMPM-G housings include female cable mount, male cable mount, male PCB edge mount and male PCB vertical launch. SMPM-G RF connectors are available in both straight and right angle configurations.

SMPM-G housings are keyed to prevent improper mating and port locations are laser marked for proper identification.

Delta's SMPM-G RF connectors and housings are gasketed for extreme weather sealing.

SMPM-G RF connectors accommodate both .047" and .086" semi-rigid cable and the flexible equivalents. Custom cable designs may also be available.

Straight cable mount SMPM-G configurations operate up to 65 GHz, right angle cable mount connectors operate up to 26.5 GHz, PCB edge mount and vertical launch configurations operate up to 40 GHz.

The versatile SMPM-G RF connector interface meets the critical interface dimensions of Mil-STD-348 offering proven blind mate performance, with axial and radial float, assuring proper mating.





Discover Your SMPM-G Gang Mount Solution





SMPM-G CABLE MOUNT HOUSING TABLE OF CONTENTS

# Ports	SMPM-G Cable Mounts Housings	Part Number	Page #
	SMPM-G General Specifications		
2 Port	Female, Cable Mount with Self Captivating Jack Screws	21-10459-02	6-7
2 Port	Male, Cable Mount with Environmental Seal	21-10460-02	10-11
3 Port	Female, Cable Mount with Self Captivating Jack Screws	21-10459-03	6-7
3 Port	Male, Cable Mount with Environmental Seal	21-10460-03	10-11
4 Port	Female, Cable Mount with Self Captivating Jack Screws	21-10459-04	6-7
4 Port	Male, Cable Mount with Environmental Seal	21-10460-04	10-11
5 Port	Female, Cable Mount with Self Captivating Jack Screws	21-10459-05	6-7
5 Port	Male, Cable Mount with Environmental Seal	21-10460-05	10-11
6 Port	Female, Cable Mount with Self Captivating Jack Screws	21-10459-06	6-7
6 Port	Male, Cable Mount with Environmental Seal	21-10460-06	10-11
7 Port	Female, Cable Mount with Self Captivating Jack Screws	21-10459-07	6-7
7 Port	Male, Cable Mount with Environmental Seal	21-10460-07	10-11
8 Port	Female, Cable Mount with Self Captivating Jack Screws	21-10459-08	6-7
8 Port	Male, Cable Mount with Environmental Seal	21-10460-08	10-11

Gender	SMPM-G Cable Mount RF Connectors	Part Number	Page #
Female	Straight Cable Mount Female for .086" (RG 405) SR or Flex	8808094G003-005	8
Female	Right Angle Cable Mount Female for .086" (RG 405) SR or Flex	8876094G003-011	9
Female	Straight Cable Mount Female for .047" (RG 405) SR or Flex	8808111G003-006	8
Female	Right Angle Cable Mount Female for .047" (RG 405) SR or Flex	8876111G003-007	9
Male	Straight Cable Mount Male for .086" (RG 405) SR or Flex	8801094G003-001	12
Male	Right Angle Cable Mount Male for .086" (RG 405) SR or Flex	8872094G903-004	13
Male	Straight Cable Mount Male for .047" (RG 405) SR or Flex	8801111G003-004	12
Male	Right Angle Cable Mount Male for .047" (RG 405) SR or Flex	8872111G903-000	13

SMPM-G PCB MOUNT HOUSING TABLE OF CONTENTS



# Ports	SMPM-G PCB Vertical Launch Housings	Part Number	Page #
2 Port	Male, Vertical Launch, SB, PCB Mount with 4-40 UNC-2B screws	8869000G91P-101	14-15
3 Port	Male, Vertical Launch, SB, PCB Mount with 4-40 UNC-2B screws	8869000G91P-102	14-15
4 Port	Male, Vertical Launch, SB, PCB Mount with 4-40 UNC-2B screws	8869000G91P-103	14-15
5 Port	Male, Vertical Launch, SB, PCB Mount with 4-40 UNC-2B screws	8869000G91P-104	14-15
6 Port	Male, Vertical Launch, SB, PCB Mount with 4-40 UNC-2B screws	8869000G91P-105	14-15
7 Port	Male, Vertical Launch, SB, PCB Mount with 4-40 UNC-2B screws	8869000G91P-106	14-15
8 Port	Male, Vertical Launch, SB, PCB Mount with 4-40 UNC-2B screws	8869000G91P-049	14-15

# Ports	SMPM-G PCB Edge Launch Housings	Part Number	Page #
2 Port	Male, Edge Launch, SB, PCB Mount with 4-40 UNC-2B screws	8869000G91P-095	16-17
3 Port	Male, Edge Launch, SB, PCB Mount with 4-40 UNC-2B screws	8869000G91P-096	16-17
4 Port	Male, Edge Launch, SB, PCB Mount with 4-40 UNC-2B screws	8869000G91P-097	16-17
5 Port	Male, Edge Launch, SB, PCB Mount with 4-40 UNC-2B screws	8869000G91P-098	16-17
6 Port	Male, Edge Launch, SB, PCB Mount with 4-40 UNC-2B screws	8869000G91P-099	16-17
7 Port	Male, Edge Launch, SB, PCB Mount with 4-40 UNC-2B screws	8869000G91P-100	16-17
8 Port	Male, Edge Launch, SB, PCB Mount with 4-40 UNC-2B screws	8869000G91P-048	16-17

SMPM-G PCB Cable Assembly & Tooling	Part Number	Page #
Cable Assembly Options	.040 / .047 / .086 Cable	18-19
More Gang Mount Options	SMP-G / SMP3-G / VITA	20-24
SMPM-G Extras	Bullet Adapters & Tools	25





SMPM-G GANG MOUNT CABLE & PCB MOUNTS

MECHANICAL/ELECTRICAL/ENVIRONMENTAL

SMPM-G Electrical Specifications

Operating Frequency - SMPM-G RF Connectors

Straight Cable Mount - DC to 65 GHz

R/ A Cable Mount - DC to 26.5 GHz

Verical Launch PCB Mount - DC to 40 GHz

R/ A Edge Launch PCB Mount - DC to 40 GHz

Impedance

Straight and Right Angle - 50 Ω

Insertion Loss

05 +.04√f in GHz (non hermetic connectors)

VSWR (Voltage Standing Wave Ratio)

1.35:1 Max. thru 26.5 GHz: 1.4 Max. thru 65 GHz

RF Leakage

-80 db to 3 GHz, -65 db to 65 GHz

Insulation Resistance

5,000 megohms

DWV (@ sea level)

500 Vrms

SMPM-G Environmental Specifications

Temperature Range

-65 Cto + 165 C

Mechanical Shock

Meets Mil-STD-202, Method 213,

Random Vibration

Meets MII-STD-202, Method 214, Condition K-I, 46.3 g

Sine VIbration

MIL-STD-202, method 204, 28 g peak

Altitude

Meets Mil-STD-202, Method 105, Condition C

Thermal Shock

Meets Mil-STD-202, Method 107, Condition B

Moisture Resistance

MIL-STD-202, Method 106

Note: Mechanical dimensions are for reference only. Please contact Delta's engineering or customer service representatives for production drawings.

SMPM-G Mechanical Specifications

Force to Engage

Smooth Bore • 2.0 lbs Typical

Limited Detent - 3.5 lbs Typical

Full Detent - 5.0 lbs Typical

Force to Disengage

Smooth Bore 1.5 lbs Typical

Limited Detent - 4.0 lbs Typical

Full Detent • 6.0 lbs Typical

Durability

Smooth Bore • 1000 cycles

Limited Detent • 500 cycles

Full Detent - 100 cycles

Contact Retention

1.5 lbs Min

Axial Misalignmnet

.010"

Radial Misalignmnet

+/- .010

SMPM-G Materials & Plating Specifications

Materials - RF Connector

Bodies • Beryllium Copper per ASTM B196 and/or ASTM B 197 or Stainless Steel, type 303, Condition A

Outer & Center Contacts • Beryllium Copper per ASTM B196

Insulators • PTFE Fluorocarbon per ASTM D1710, type 1, grade 1; Torlon per ASTMD-5204 or Ultem per ASTM D-5205

Materials - Housing

Block Housing • Brass per ASTM B16, C36000 Alloy, Temper H02

Gasket - Silicone Rubber per A-A-59588

Hardware - 18-8 Stainless Steel, 316L Stainless Steel

Plating - RF Connectors

Bodies • Gold Plate per ASTM B488, over Nickel Plate, per SAE AMS-QQ-N-290 or Passivated per SAE AMS 2700

Outer Contacts • Gold Plate per MIL-G-45204, over Nickel Plate per SAE - AMS-QQ-N-290

Center Contacts • Gold Plate per ASTM B488, type II,over Nickel Plate, per SAE AMS-QQ-N-290

Plating - Housing

Housing · Nickel Plate per SAE-AMS-QQ-N-290





Military



Launch Vehicles



High Speed Computing



Radar Applications

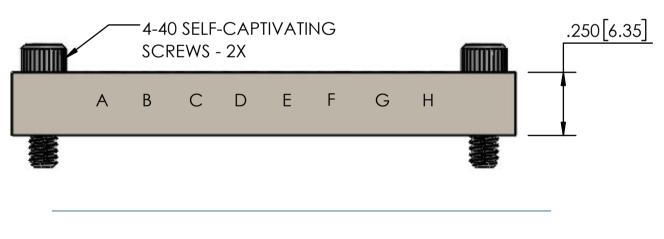


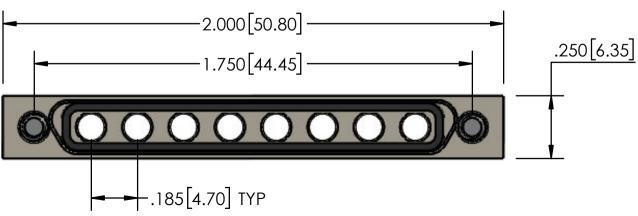


SMPM-G 21-10459-08 Female Cable Mount

Straight Cable Mount Female, 8 port, with 4-40 UNC Self Captivating Jack Screws. Each port is laser marked for quick identification and the environmentally sealed housing accepts Delta's straight & right angle cable mount SMPM connectors.

Part Number		Configuration	Cable	Gender	Connectors
21-10459-08		Cable Mount	.047" .086" (RG 405) SR or Flex	Female	Staight & Right Angle
		Product	Features		
Housing Material	Brass		Interface Seal Material	Silicone Rubber	
Housing Plating	Nickel		Port Identifiers	Laser Marked A-H	
Hardware Material	e Material Steel		Distance Between Ports	.185"	
Hardware Plating	g Passivated		Block Height & Width	.250"	

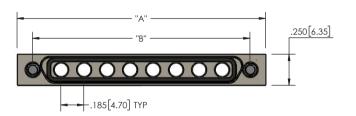


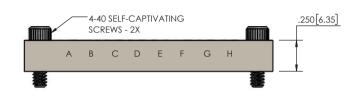


GANG MOUNT SMPM-G FEMALE HOUSING CABLE MOUNT

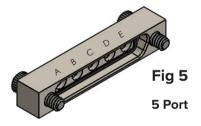


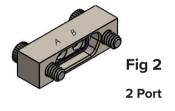
Dimensions For 2 Port Thru 8 Port									
Dista	Distance Between All Ports: .185" TYP Height & Width All Blocks .250" TYP								
Delta Part # A B Ports Delta Part # A B Ports							Ports		
Fig 2 - 21-10459-02	0.890	0.640	2		Fig 6 - 21-10459-06	1.630	1.380	6	
Fig 3 - 21-10459-03	1.075	0.825	3		Fig 7 - 21-10459-07	1.815	1.565	7	
Fig 4 - 21-10459-04	1.260	1.010	4		Fig 8 - 21-10459-08	2.000	1.750	8	
Fig 5 - 21-10459-05	1.445	1.195	5						



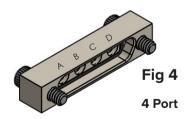










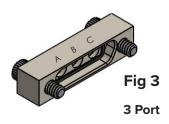


Straight & Right Angle SMPM-G RF Connectors Pages 8 & 9.



Fig 6

6 Port

















SMPM-G 8808094G003-005

Straight Cable Mount Female for .086" (RG 405) Semi-Rigid or the flexible equivalent, snaps into male cable mount housing, reference Delta housing Part # 21-10459-08

Part Number 8808094G003-005		Configuration Straight	Cable .086" (RG-405) SR or Flex	CC Termination One-Step (solderless)	OC Termination Direct Solder
Product Features					
Frequency	65 GHz			.249[6.32]	-
CC Gender	Female				
Durability	1000 Cycles				(\$0.120[3.05]) (\$0.156[3.96])
CC & Body Material	Be Cu				(φ.12c
CC & Body Plating	Gold				
Insulator	PTFE			O'RING	



SMPM-G 8808111G003-006

Straight Cable Mount Female for .047"
Semi-Rigid or the flexible equivalent, snaps into male cable mount housing, reference Delta housing Part # 21-10459-08

Part Number 8808111G003-006		Configuration Right Angle	Cable .047" SR or Flex	CC Termination One-Step (solderless)	OC Termination Direct Solder
Product Features					
Frequency	65 GHz			.249[6.32]	
CC Gender	Female				
Durability	1000 Cycles				2.24
CC & Body Material	Be Cu	-			Ø.156[3.96]
CC & Body Plating	Gold				
Insulator	PTFE			O'RING	/
				, .517 [5.55]	'





SMPM-G 8876094G003-011

Right Angle Cable Mount Female for .086" (RG 405) Semi-Rigid or the flexible equivalent, snaps into male cable mount housing, reference Delta housing Part # 21-10459-08

Part Number		Configuration	Cable	CC Termination	OC Termination
8876094G003-011		Right Angle	.086" (RG-405) SR or Flex	Solder	Direct Solder
Product Features					374[9.50] -
Frequency	26.5 GHz	- 0.12	25[3.18] —	.249[6.32	
CC Gender	Female				
Durability	1000 Cycles				
CC & Body Material	Be Cu				82 [4.62]
CC & Body Plating	Gold				
Insulator	PTFE			O'RING	
			I		→ Ø.120[3.05] -



SMPM-G 8876111G003-007

Right Angle Cable Mount Female for .047"
Semi-Rigid or the flexible equivalent, snaps into male cable mount housing, reference Delta housing Part # 21-10459-08

Part Number 8876111G003-007		Cable .047" SR or Flex	CC Termination Solder	OC Termination Direct Solder
Product Features			.374[9.	50]
26.5 GHz	 -	125[3.18] 	.312[7.91]	-
Female				
1000 Cycles				
Be Cu				82 [4.62]
Gold				= = = = = = = = = = = = = = = = = = = =
PTFE			O'RING	φ.090[2.29] -
	26.5 GHz Female 1000 Cycles Be Cu Gold	Right Angle Right Angle Right Angle Right Angle Right Angle Right Angle	Right Angle .047" SR or Flex 26.5 GHz Female 1000 Cycles Be Cu Gold	Right Angle

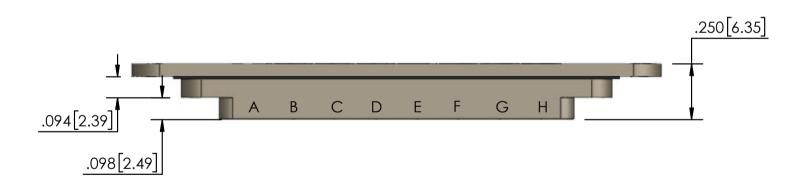


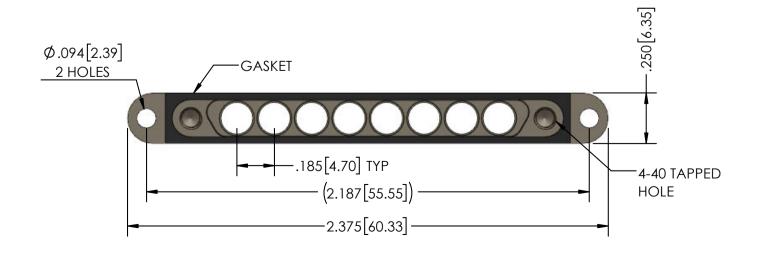


SMPM-G 21-10460-08 Male Cable Mount

Straight Cable Mount Male, 8 port, with 4-40 UNC-2B thread x .100 Deep, 2 places. Each port is laser marked for quick identification and the environmentally sealed housing accepts Delta's straight & right angle cable mount SMPM connectors.

Part Number		Configuration	Cable	Gender	Connectors
21-10460-08		Cable Mount	.047" .086" (RG 405) SR or Flex	Male	Staight & Right Angle
		Product	Features		
Housing Material	Brass		Interface Seal Material	Silicone Rubber	
Housing Plating	Nickel		Port Identifiers	Laser Marked A-H	
Hardware Material	I N/A		Distance Between Ports	.185"	
Hardware Plating	N/A		Block Height & Width	.250"	

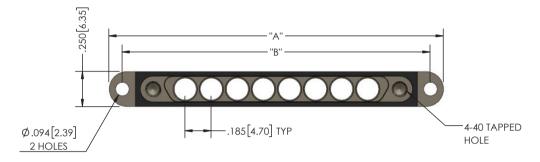




GANG MOUNT SMPM-G MALE HOUSING **CABLE MOUNT**



Dimensions For 2 Port Thru 8 Port								
Distance Between All Ports: .185" TYP Height & Width All Blocks .250" TYP								
Delta Part #	A	В	Ports		Delta Part #	A	В	Ports
Fig 2 - 8869000G91P-101	1.265	1.077	2		Fig 6 - 8869000G91P-105	2.005	1.817	6
Fig 3 - 8869000G91P-102	1.450	1.262	3		Fig 7 - 8869000G91P-106	2.190	2.002	7
Fig 4 - 8869000G91P-103	1.635	1.447	4		Fig 8 - 8869000G91P-049	2.375	2.187	8
Fig 5 - 8869000G91P-104	1.820	1.632	5					























250





SMPM-G 8801094G003-001

Straight Cable Mount Male for .086" (RG 405) Semi-Rigid or the flexible equivalent, snaps into male cable mount housing, reference Delta housing Part # 21-10460-08

Part Number 8801094G003-001		Configuration Straight	Cable .086" (RG-405) SR or Flex	CC Termination One-Step (solderless)	OC Termination Direct Solder
Product Fe	atures	Ø.172	[4.37]	<u>I</u>	
Frequency	65 GHz				
CC Gender	Male				3.05]
Durability	1000 Cycles				0 0.120[3.05] 0.172[4.37]
CC & Body Material	HT Be Cu				
CC & Body Plating	Gold			.025[.64]	-
Insulator	PTFE			.202[5.13]	
Bushing Material	CRS			.357[9.06]	



SMPM-G 8801111G003-004

Straight Cable Mount Male for .047"
Semi-Rigid or the flexible equivalent, snaps into male cable mount housing, reference Delta housing Part # 21-10460-08

Part Number		Configuration Right Angle	Cable	CC Termination One-Step	OC Termination Direct Solder
8801111G0	03-004	Right Aligie	SR or Flex	(solderless)	
Product Fe	atures	 	72[4.37] 		
Frequency	65 GHz				
CC Gender	Male				4.37]
Durability	1000 Cycles				Ø.088[2.24]
CC & Body Material	HT Be Cu				
CC & Body Plating	Gold	4		.025[.64]	_
Insulator	PTFE			.202[5.13]	
Bushing Material	CRS			.357[9.06]	





SMPM-G 8872094G903-004

Right Angle Cable Mount Male for .086" (RG 405) Semi-Rigid or the flexible equivalent, snaps into male cable mount housing, reference Delta housing Part # 21-10460-08

Part Nun	nber	Configuration	Cable	CC Termination	OC Termination	
8872094G903-004		Right Angle .086" (RG-405) SR or Flex		Solder	Direct Solder	
Product Fe	atures					
Frequency	40 GHz	.178[4.	52]———			
CC Gender	Male	Ø.172[-	4.37]			
Durability	1000 Cycles					
CC & Body Material	HT Be Cu					
CC & Body Plating	Gold			.202[5.13]		
Insulator	PTFE				17[8.05]	
Bushing Material	CRS				.382[9.70]	



SMPM-G 8872111G903-000

Right Angle Cable Mount Male for .047"

Semi-Rigid or the flexible equivalent, snaps into male cable mount housing, reference Delta housing Part # 21-10460-08

Part Number		Configuration Right Angle	Cable	CC Termination One-Step	OC Termination Direct Solder
8872111G9	8872111G903-000		SR or Flex	(solderless)	
Product Fe	atures				
Frequency	40 GHz	(.	178[4.52]) ———		-
CC Gender	Male	(ø	.172[4.37])		
Durability	1000 Cycles				
CC & Body Material	HT Be Cu				
CC & Body Plating	Gold			.202[5.13]	
Insulator	PTFE			.317[8.05]	<u> </u>
Bushing Material	CRS			(.382[9	9.70])

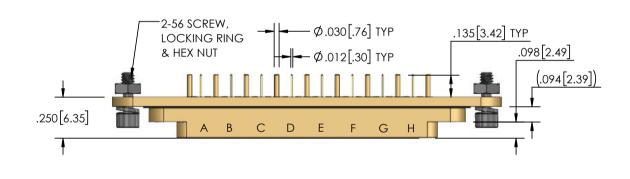


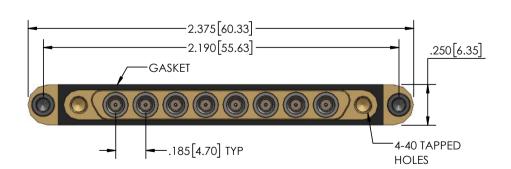


SMPM-G 8869000G91P-049

8 Port PCB Mount Vertical Launch Male With 4-40 UNC-2B Screws

Part Num	ber	Housing Configuration	PCB Mount	CC Termination	OC Termination	
8869000G9	1P-049	Staight	Vertical Launch	Thru Hole	Thru Hole	
Product Features						
Housing Material	Brass		Interface Seal Material	Silicone Rubber		
Housing Plating	Gold		Port Identifiers	Laser Marked A-H		
Hardware Material	Steel		Distance Between Ports	.185"		
Hardware Plating	Passivated		Block Height & Width	.250"		

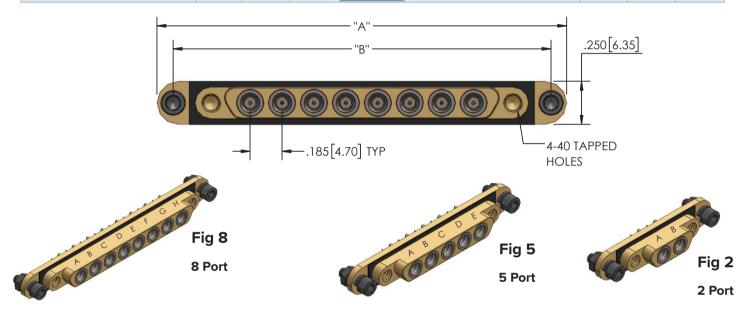




SMPM-G GANG MOUNT PCB MOUNTS VERTICAL LAUNCH



Dimensions For 2 Port Thru 8 Port									
Distance Between All Ports: .185" TYP Height & Width All Blocks .250" TYP									
Delta Part #	A	В	Ports		Delta Part #	A	В	Ports	
Fig 2 - 8869000G91P-101	1.265	1.077	2		Fig 6 - 8869000G91P-105	2.005	1.817	6	
Fig 3 - 8869000G91P-102	1.450	1.262	3		Fig 7 - 8869000G91P-106	2.190	2.002	7	
Fig 4 - 8869000G91P-103	1.635	1.447	4		Fig 8 - 8869000G91P-049	2.375	2.187	8	
Fig 5 - 8869000G91P-104	1.820	1.632	5						











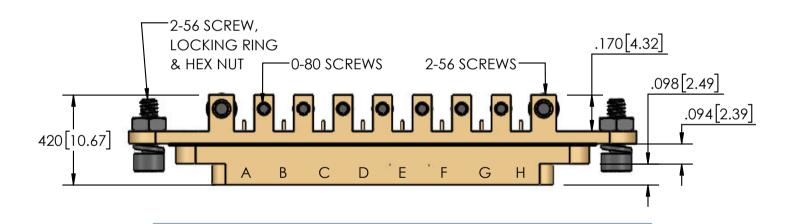


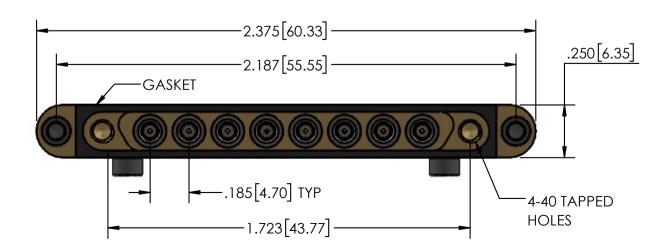


SMPM-G 8869000G91P-048

8 Port PCB Mount Edge Launch Male With 4-40 UNC-2B Screws

Part Num	ber	Housing Configuration	PCB Mount	CC Termination	OC Termination	
8869000G9	1P-048	Right Angle	Edge Launch	Surface Mount	Surface Mount	
Product Features						
Housing Material	Brass		Interface Seal Material	Silicone Rubber		
Housing Plating	Gold		Port Identifiers	Laser Marked A-H		
Hardware Material	Steel		Distance Between Ports	.185"		
Hardware Plating	Passivated		Block Height & Width	.250"		

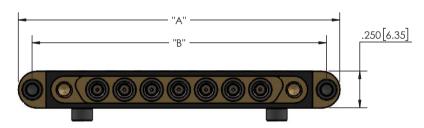


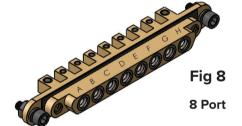


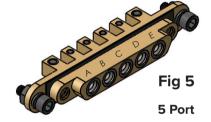
SMPM-G GANG MOUNT PCB MOUNTS EDGE LAUNCH



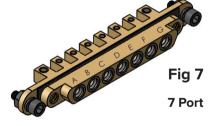
Dimensions For 2 Port Thru 8 Port									
Distance Between All Ports: .185" TYP Height & Width All Blocks .250" TYP									
Delta Part #	A	В	Ports		Delta Part #	A	В	Ports	
Fig 2 - 8869000G91P-095	1.265	1.077	2		Fig 6 - 8869000G91P-099	2.005	1.817	6	
Fig 3 - 8869000G91P-096	1.450	1.262	3		Fig 7 - 8869000G91P-0100	2.190	2.002	7	
Fig 4 - 8869000G91P-097	1.635	1.447	4		Fig 8 - 8869000G91P-048	2.375	2.187	8	
Fig 5 - 8869000G91P-098	1.820	1.632	5						

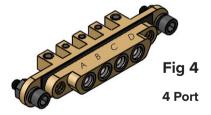


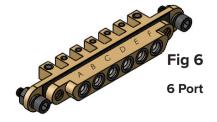


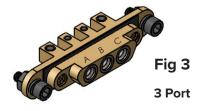






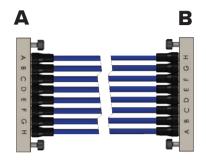




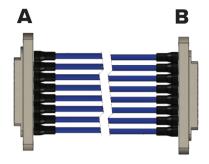




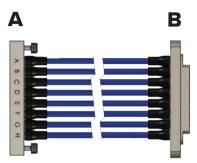
Build Your Own SMPM-G Assembly



Configuration 1
Female to Female

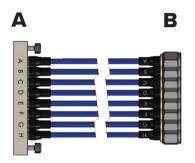


Configuration 2
Male to Male

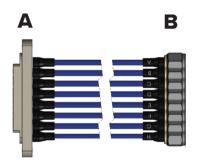


Configuration 3 Female to Male

B



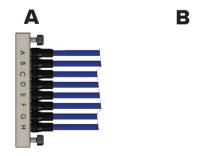
Configuration 4
Female to Discrete RF



Configuration 5
Male to Discrete RF



Configuration 6
Male to Blunt Cut



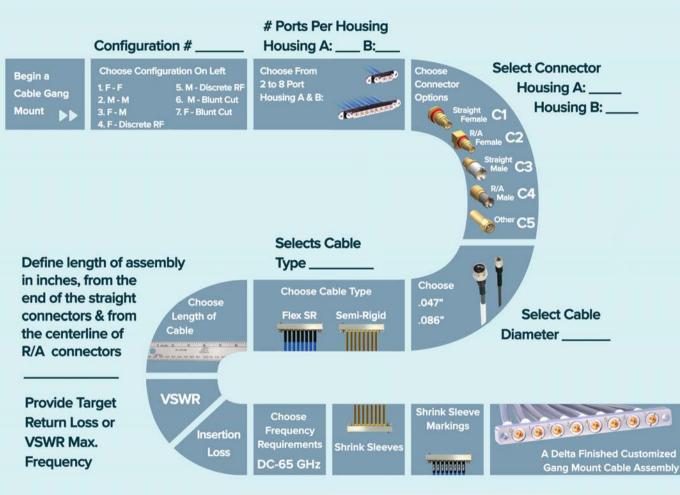
Configuration 7
Female to Blunt Cut







Build Your Own SMPM-G Cable Assembly



Provide Target Insertion Loss or VSWR Max. Frequency Provide Max. Operating Frequency

Labels & Identification Circle Your Choices							
Connector A Yes - No Shrink Tubing .500" Tubing							
Add Marking:							
Connector B Shrink Tubing	Yes - .500"	No Tubing					
Add Markir	ıg:						
Center Label, .750"	Yes - .750"	No Tubing					
Add Marking:							



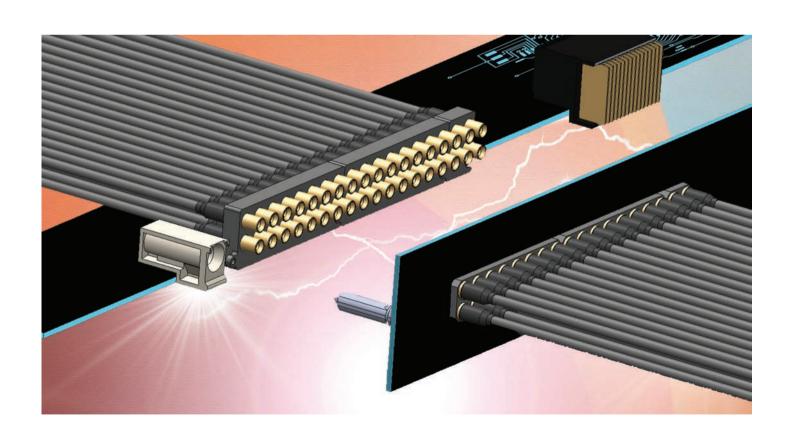
SMP-G, SMPM-G and SMP3-G Cable Assemblies.



Delta offers custom RF cables with either .047" or .086" semi-rigid or the flexible equivalents. Lower loss cable options, with VoP's up to 83%, may also be available for specific configurations.

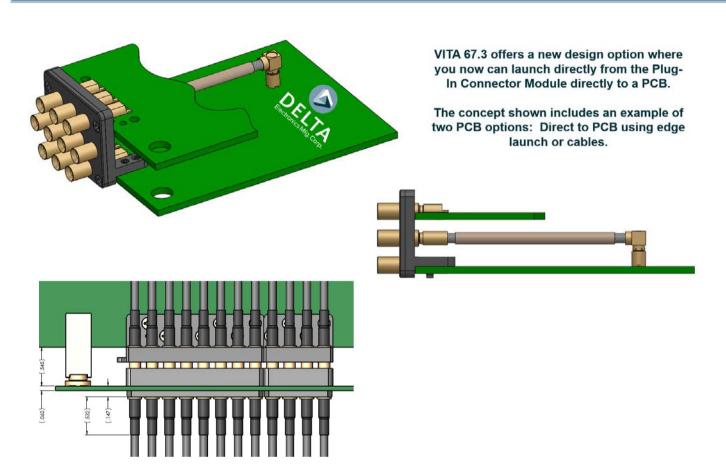
Insertion loss, return Loss, phase and delay measurements are available up to 65 GHz.

Delta's cable assembly technicians are trained to IPC-A-620 and J-STD-001 inspection and soldering.





SMP-G, SMPM-G and SMP3-G PCB Board Mounts



In addition to SMPM-G, Delta provides ganged RF solutions using the SMP and SMP3 interfaces. Housings are standardized with 2, 3, 4, 5, 6, 7, and 8 port designs. Critical interface dimensions meet Mil-STD-348, DSCC 94007, 94008, IEC 61169-60 and IEC 61169-44 industry specifications as applicable.

Custom configurations can be designed for all ganged series including SMP-G, SMPM-G and SMP3-G with up to to four rows and SMP port counts up to 16, SMPM port counts up to 32 and SMP3 port counts up to 64. From a dimensional perspective, the center-to-center spacing of ports for an SMP-G is .240", the SMPM-G is .185" and the SMP3-G is .098".

Delta's hyper-responsive engineering team will customize mechanical layouts for varying board thicknesses, unique footprints, custom cable designs and extreme mechanical, electrical or environmental requirements.

Vita 67.1, 67.2 and 67.3 Housings and SMPM connector designs are also available with many configurations already stocked with Delta's franchised distributors.





SMPM-G Cable Options Cable Options .047" Mechanical .040" .086" **Center Conductor** .008" .011" .020" Dielectric .036" .026" .064" **Braid** .040" .047" .085" **Outer Jacket** .060" .059" .104" **Static Bend Radius** 5_mm 5_mm 6.35mm **Dynamic Bend Radius** 10mm 10mm 12.7mm **Materials** .040" .047" .086" **Center Conductor Silver Plated Copper Silver Plated Copper Silver Plated Copper** Dielectric PTFE **PFA** PTFE **Inner Shield** Flat SPC Flat SPC Flat SPC **Outer Shield Silver Plated Copper Silver Plated Copper Silver Plated Copper Outer Jacket** FEP **FEP FEP Electrical** .040" .047" .086" **Operating Frequency** 110 GHz 50 GHz 40 GHz 50 Ω 50 Ω 50 Ω **Impedance** 71.00% 70.00% 70.00% VoP (%) > 90 dB **Shielding Effectiveness** > 90 dB > 90 dB Attenuation dB/ft 1.0 GHz 0.60 0.35 0.21 2.0 GHz 0.86 0.53 0.31 8.0 GHz 1.74 1.15 0.66 12 GHz 2.14 1.44 0.83 18 GHz 2.64 1.85 1.06 26 GHz 3.18 2.22 1.34 40 GHz 3.96 2.83 1.73 50 GHz 4.44 3.20 60 GHz 4.88 *All specifications for reference only **Environmental**

-65° C to + 150° C

-65° C to + 150° C

-55° C to + 125° C

Operating Temp Range



Delta Vertical Integration In-house Automated Precious Metal Plating

Connectors are only as good as their plating, and that's why we decided this important process needed to be on-site. Having our own plating line, yields high quality, low costs, and reduced lead times. Call Delta for your electroplating needs. We also encourage current and potential customers to tour our facility.



Au

Delta Plating Finishes:



Automated Tin/Lead Dipping For SMP-T, SMPM-T & SMP3-T

Our customized automated tin / lead dipping equipment enables high volume processing of our SMP-T, SMPM-T and SMP3-T PCB mount configurations. The finished connector is of high quality, with a consistent tin/lead flowed finish. Experience the Delta Difference!



Spring Loaded Bullets

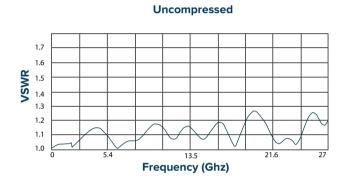
Feature:

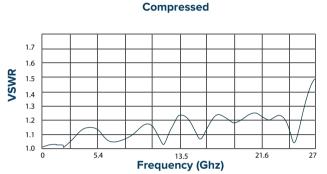
- · Increased axial & radial float
- One side has as a low insertion SMP interface
- · High compression load on interfaces

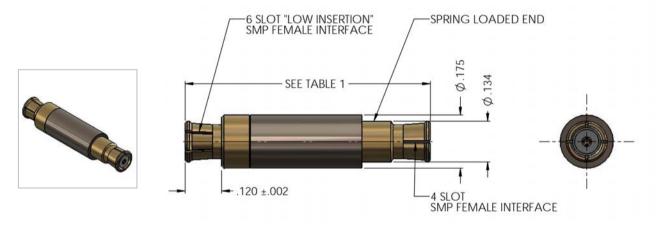
Benefit:

- · Enhanced self alignment during mating
- · Consistently un-mate from the same end
- Improved VSWR at higher frequencies

VSWR







VSWR: 1.5:1 Max

Frequency Range: DC - 26.5 GHz Float: Axial .075 / Radial .015

Delta P/N	Uncompressed Length	Fully Compressed Length
8628000G911-005	1.075	1.000
8628000G911-004	.675	.600

Please contact the factory for additional lengths.

8628000G911 - XXX

Spring Loaded Female to Female "Bullet" Adapter



SMP / SMPM / SMP3 Bullets

Delta's Bullet Adapters

Ideal for board-to-board mechanical schemes, Delta's Bullet Adapters make the connections and accommodate varying board-to-board stack heights.

Available in fixed lengths and spring loaded configurations.

Call Delta today to find the perfect fit! 978-927-1060 or email sales@deltarf.com





SMPM-G Tooling







T33-88001-01



BLIND MATERE GANG MOUNTS









sales@deltarf.com (978) 927-1060 deltarf.com
416 Cabot Street, Beverly, MA 01915