

RF & MW Connectors

- 2.4 mm Connectors
- 2.92 mm(K) Connectors
- Installation of 2.4mm & 2.92mm Connectors (0.012" Glass Bead)
- SMP Connectors
- BMA Connectors
- High Performance End Launch Connectors
- High Performance SMA Connectors
- SMA Connectors
- MCX Connectors
- MMCX Connectors
- N-Type Connectors

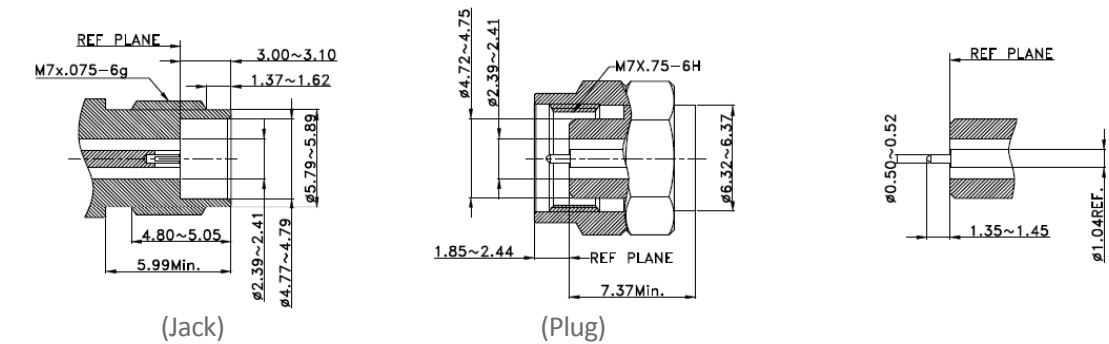
2.4mm Connectors

Introduction

GigaLane 2.4 mm Connectors are precision connectors for optimum RF performance up to 50 GHz. The connectors feature excellent mechanical stability, extreme reliability and it maintains highly cost-effective pricing, short lead-time. The connector is compatible with 1.85 mm connectors. It is applicable to military and telecommunication application.

Interface Standards(MIL-STD-348)

Unit : mm



Specification

Electrical	
Frequency	DC to 50 GHz
Impedance	50 Ω
VSWR	1.4:1(@50GHz)
Insulation Resistance	5000 MΩ
Dielectric Withstand Voltage	500 Vrms
Contact Resistance	2mΩ max.
- Outer Conductor	4mΩ max.
- Inner Conductor	
Insertion Loss	0.45 dB max. (@ 50 GHz)
RF Leakage	- 100 dB max.
Power Handling	70W (@ 2 GHz)

Mechanical	
Mating Cycle (Durability)	500
Recommended Mating Torque	8 ~ 10 inch-pounds
Proof Torque	15 inch-pounds min.
Coupling Nut Retention Force	60 inch-pounds min.(Male only)
Center Contact Retention Force	4 pound(axial)

Environmental	
Temperature	- 40°C to + 125°C
Thermal Shock	MIL-STD-202, method 107, condition B
Corrosion (Salt Spray)	N/A
Vibration	MIL-STD-202, method 204, condition D (20G)
Moisture Resistance	MIL-STD-202, method 106

Materials		
Body	Stainless Steel	Passivated
Center Contact	BeCu	Gold Plated
Insulator	Engineering Plastic	-

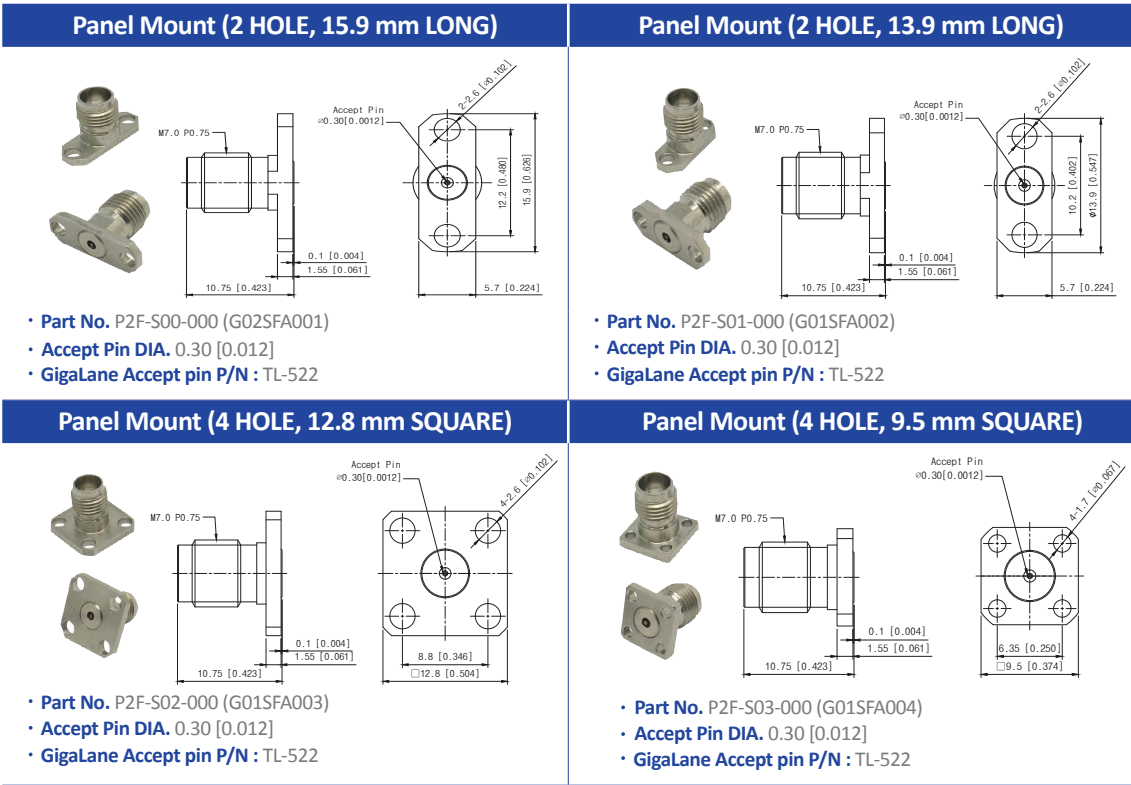
2.4mm Connectors

- DC to 50 GHz
- Mechanically Compatible with 1.85 mm Connectors

- Air Dielectric
- Captivated Center Contact

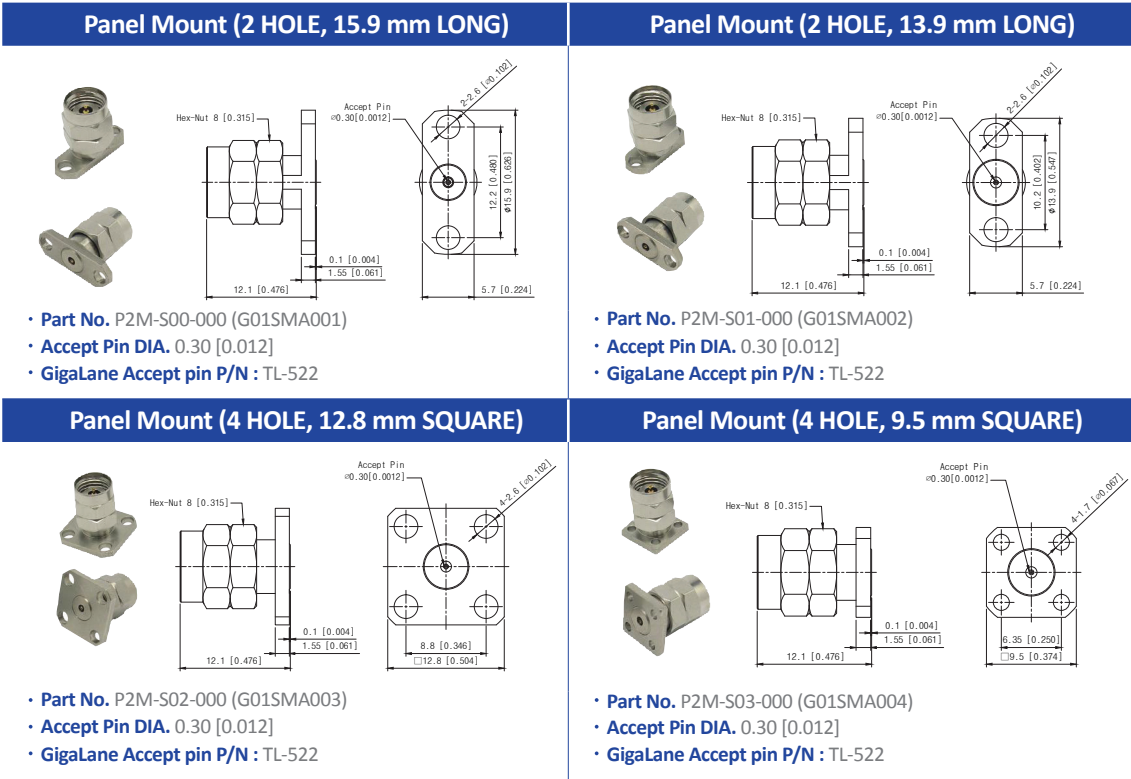
JACK (Female)

Unit : mm [Inch]



PLUG (Male)

Unit : mm [Inch]

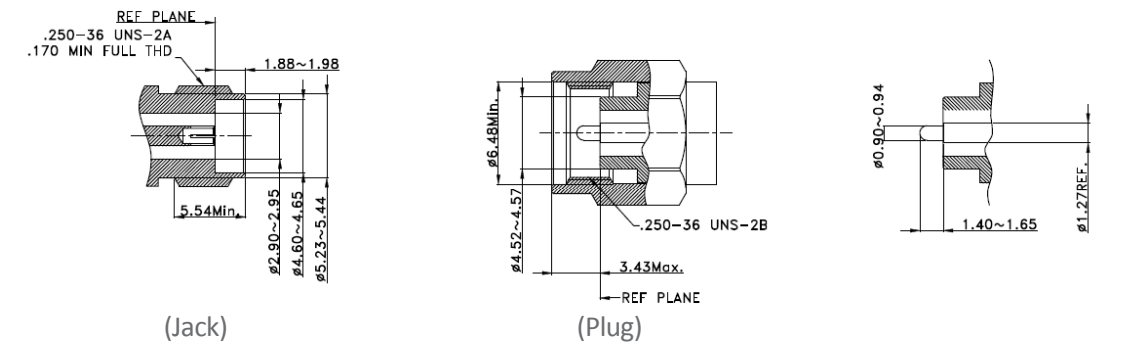


2.92mm Connectors

Introduction

GigaLane 2.92 mm Connectors are precision connectors for optimum RF performance up to 40 GHz. 2.92 mm connectors feature high mechanical stability and excellent repeatability. The connector is compatible with 3.5 mm and SMA connectors. It is applicable to military and telecommunication application.

Interface Standards (MIL-STD-348)



Specification

Electrical	
Frequency	DC to 40 GHz
Impedance	50 Ω
VSWR	1.45:1(@40GHz)
Insulation Resistance	5000 MΩ
Dielectric Withstand Voltage	1000 Vrms max.
Contact Resistance	
- Outer Conductor	2mΩ max.
- Inner Conductor	3mΩ max.
Insertion Loss	0.5 dB max. (@ 40 GHz)
RF Leakage	- 90 dB
Power Handling	80W(@ 2 GHz)

Mechanical	
Mating Cycle (Durability)	500
Recommended Mating Torque	0.9 ~ 1.13 Nm / 8 ~ 10 lbs
Proof Torque	1.7 Nm / 15.0 lbs
Coupling Nut Retention Force	270 N / 27.7 kfg / 61 lbs
Center Contact Retention Force	4 pound (axial)

Environmental	
Temperature	- 40°C to + 125°C
Thermal Shock	MIL-STD-202, method 107, condition B
Corrosion (Salt Spray)	MIL-STD-202, method 101, condition B, 5% salt
Vibration	MIL-STD-202, method 204, condition B
Moisture Resistance	MIL-STD-202, method 106

Materials		
Body	Stainless Steel	Passivated
Center Contact	Beryllium Copper (BeCu)	Gold Plated
Insulator	Engineering Plastic	-

2.92mm Connectors

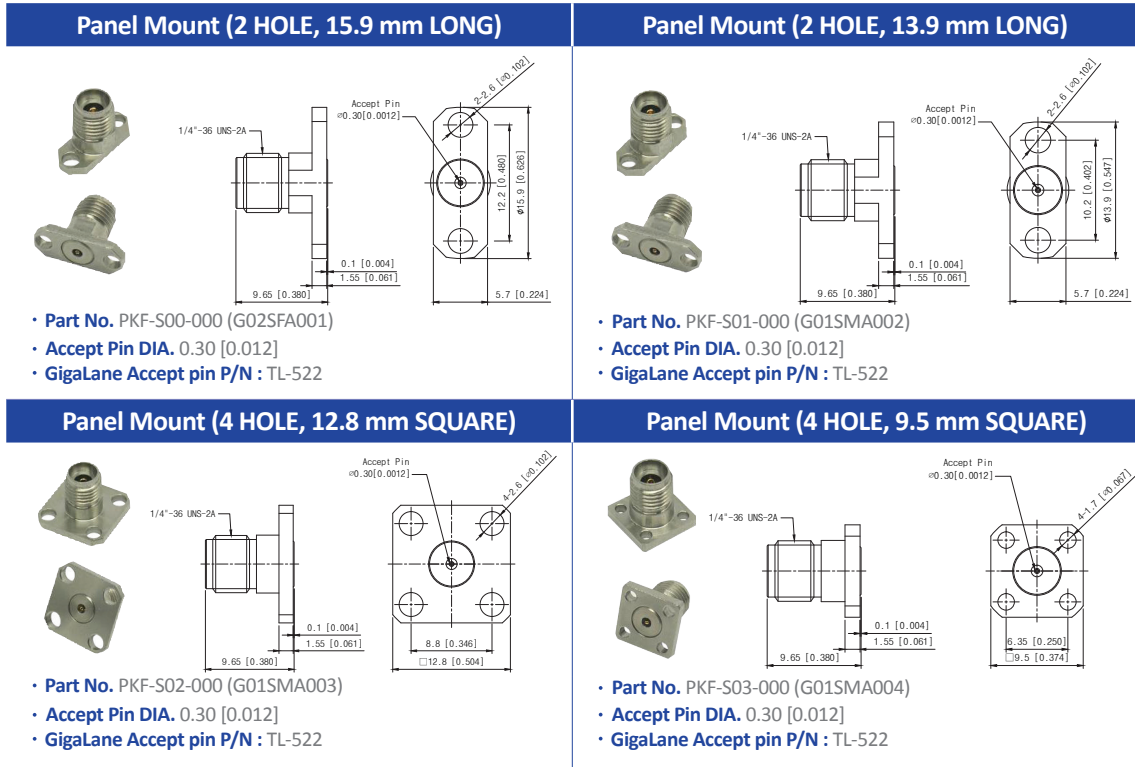
GigaLane

- DC to 40 GHz
- Mechanically Compatible with SMA, 3.5 mm Connectors

- Air Dielectric
- Captivated Center Contact

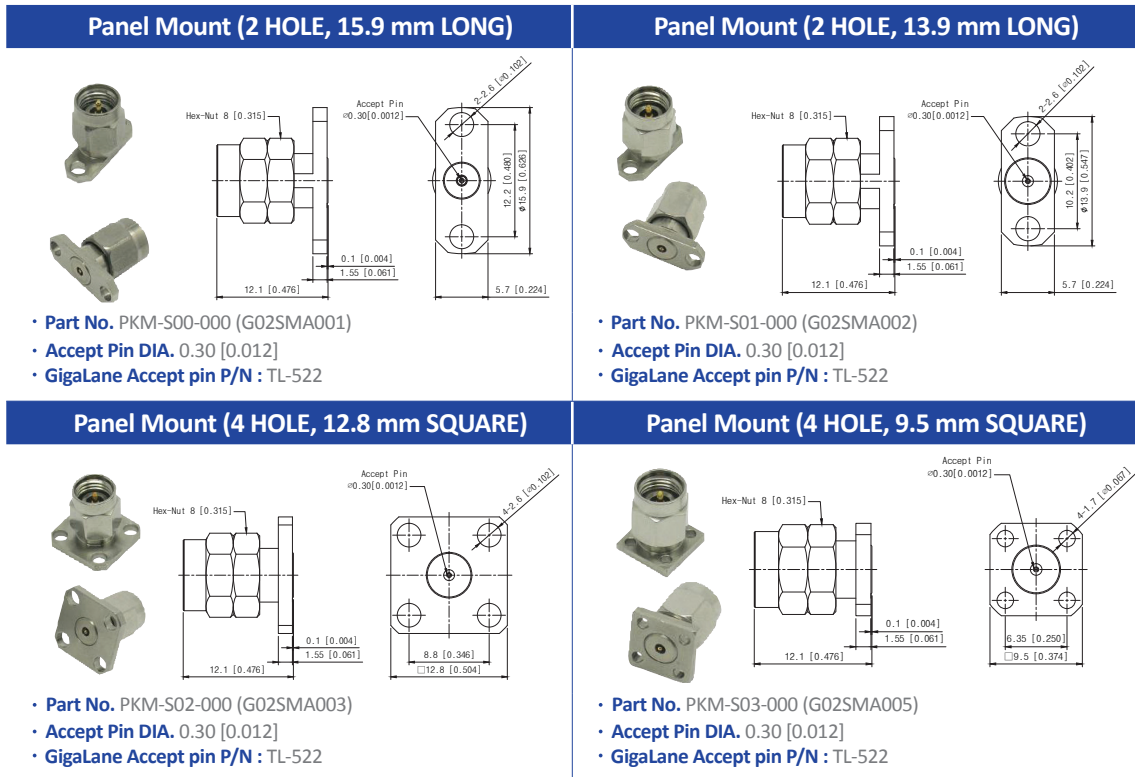
JACK (Female)

Unit : mm [Inch]



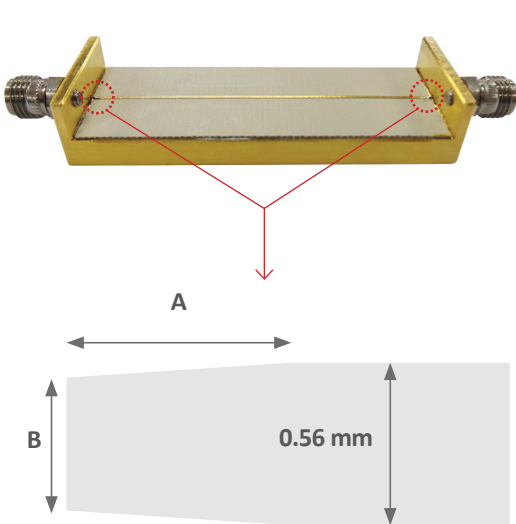
PLUG (Male)

Unit : mm [Inch]

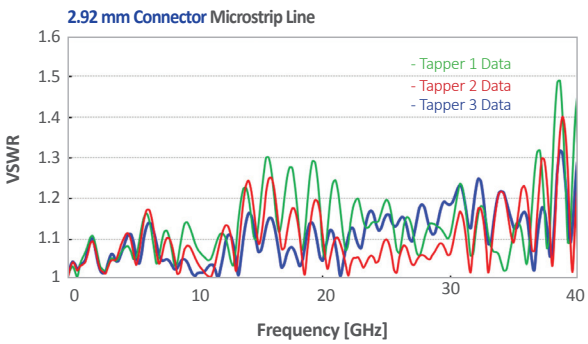


► Design Guide (Microstrip to coax)

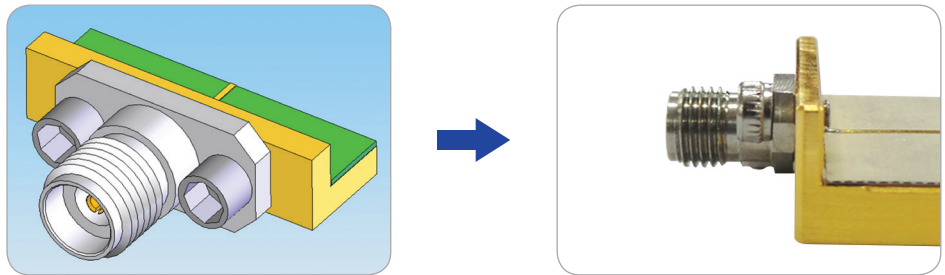
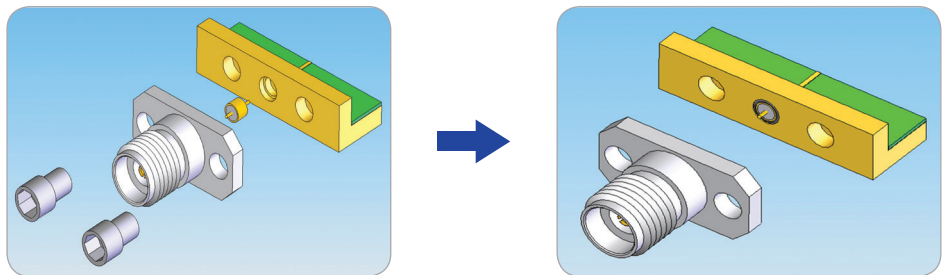
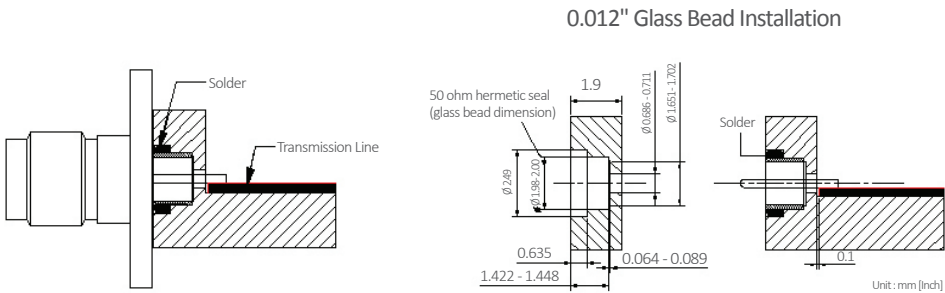
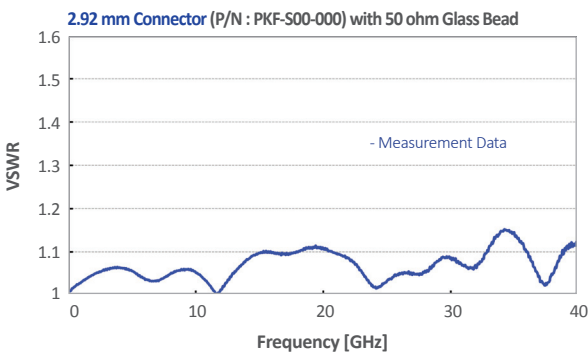
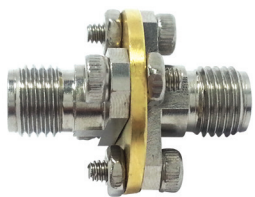
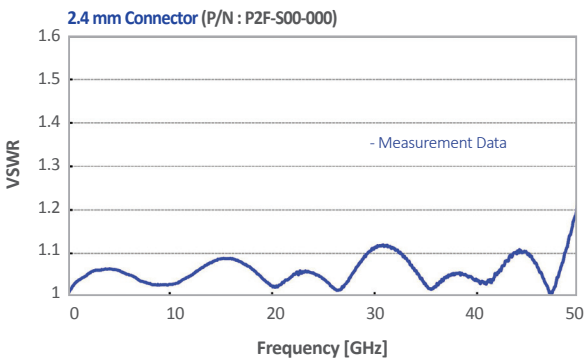
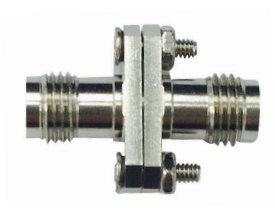
A very reliable connector can still increase VSWR if it does not match impedance when it is connected. Therefore, 50ohm microstrip line structure is recommended to get a maximized future advantage with PKF series connector.



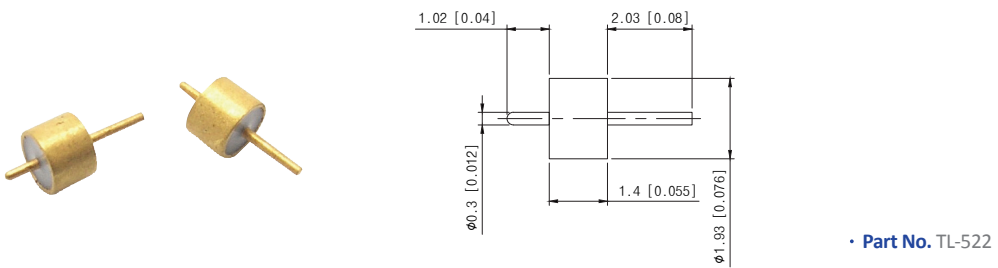
	t	w	g
Er 2.2	10 mil	0.56 mm	0.1 mm
	Tapper 1	Tapper 2	Tapper 3
A	1.0 mm	2.0 mm	3.0 mm
B	0.53 mm	0.5 mm	0.45 mm



► Test result of Back to Back



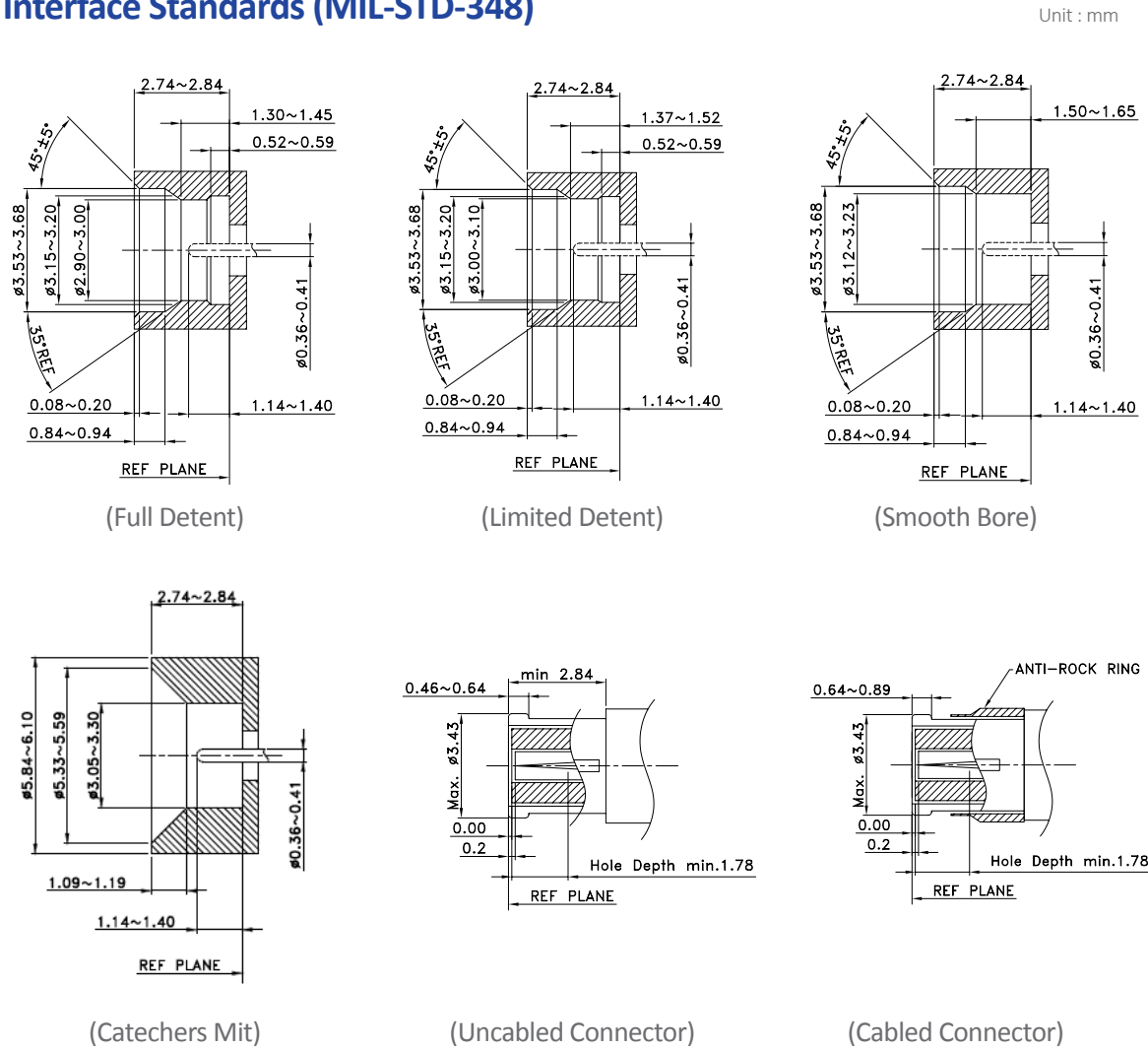
► Hermetic Seal (0.012" Glass Bead)



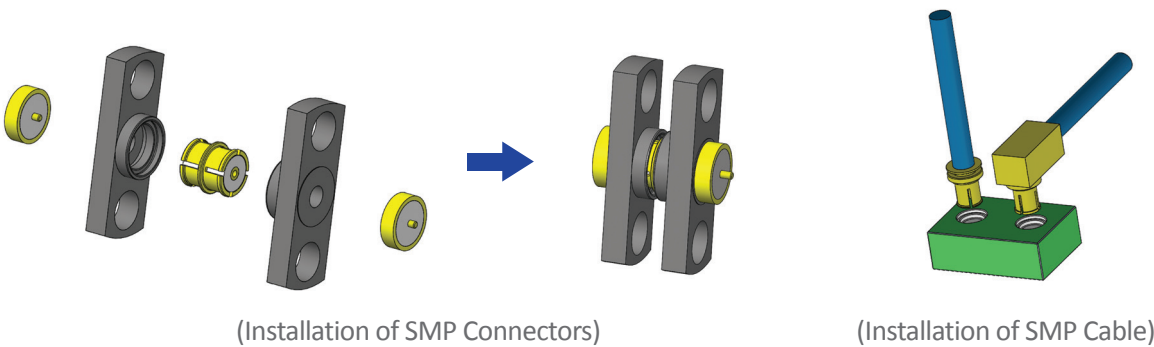
► Introduction

Gigalane SMP Connectors offer you precise mating and excellent VSWR performance through 40 GHz at a competitive price. They have excellent vibration and shock performance based on MIL standard and suitable for application such as military, broadband, instrumentation and telecommunication application.

► Interface Standards (MIL-STD-348)



► Installation of SMP Connectors



- DC to 40 GHz
- Excellent VSWR
- MIL-STD-202 qualified

► Specification

Electrical

Frequency	DC to 18 GHz
	DC to 40 GHz
Impedance	50 Ω
VSWR	DC to 18 GHz 1.2 : 1 typical
	18 to 40 GHz 1.45 : 1 typical
Insulation Resistance	Min 5,000 MΩ
Dielectric Withstand Voltage	500 Vrms (@ sea level)
	125 Vrms (@ 70,000ft)
Contact Resistance	
- Outer Conductor	2.0 mΩ max.
- Inner Conductor	6.0 mΩ max.
Insertion Loss	0.1 * √ f (GHz)
RF Leakage	-70 dB @ 3 GHz

Mechanical

Axial Misalignment	0 ~ 0.25 mm
Radial Misalignment	+ / - 0.25 mm
Center to Center Spacing (min)	0.17 in (4.32 mm)

Environmental

Temperature	- 40°C to + 125°C
Thermal Shock	MIL-STD-202, method 107
Corrosion (Salt Spray)	MIL-STD-202, method 101
Shock	MIL-STD-202, method 213
Vibration	MIL-STD-202, method 204
Moisture Resistance	MIL-STD-202, method 106

Materials

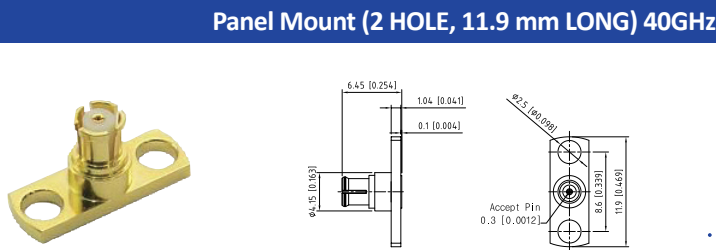
Body	Stainless Steel Beryllium Copper (BeCu) Brass	Passivated Gold Plated Gold Plated
Center Contact	Beryllium Copper (BeCu) Brass	Gold Plated Gold Plated
Insulator	PTFE	-

Mechanical Force for Shrouds (male type)

	Full Detent	Limited Detent	Smooth Bore
Force to Engage (max.)	6.8 kg	4.5 kg	0.9 kg
Force to Disengage (min)	2.3 kg	0.9 kg	0.2 kg
Mating cycle	100	500	1,000

► JACK (Female)

Unit : mm [Inch]



► PLUG (Male)

Unit : mm [Inch]

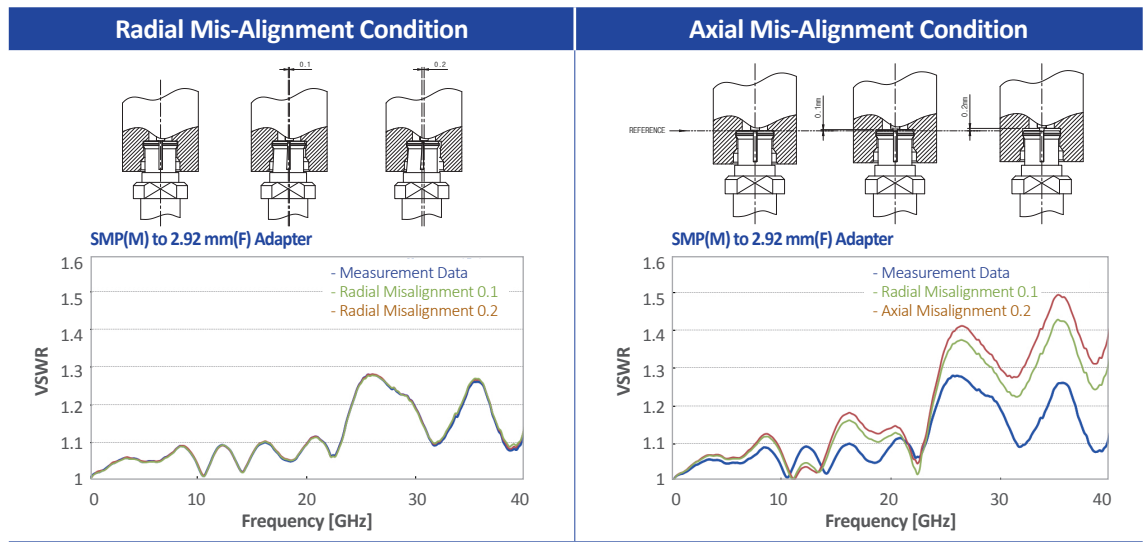
PCB Thread-in <18 GHz>	PCB Edge Mount <18 GHz>
<p>• Type. Full Limited Smooth • Part No. PPM-S02-F00 (G04SMA013) PPM-S02-L00 (G04SMA012) PPM-S02-S00 (G04SMA010)</p>	<p>• Type. Full Limited Smooth • Part No. PPM-S03-F00 (G04SMB008) PPM-S03-L00 (G04SMB011) PPM-S03-S00 (G04SMB014)</p>
PCB Right Angle Mount <18 GHz>	Panel Shroud, Thread-in (No Center Contact)
<p>• Type. Full Limited Smooth • Part No. PPM-R00-F00 (G04RMA001) PPM-R00-L00 (G04RMA002) PPM-R00-S00 (G04RMA003) VSWR 1.45 : 1</p>	<p>• Type. Full Limited Smooth • Part No. PPM-S02-F01 (G04SMA007) PPM-S02-L01 (G04SMA008) PPM-S02-S01 (G04SMA009)</p>
2 HOLE Panel Shroud (No Center Contact)	
<p>• Type. Full Limited Smooth • Part No. PPM-S00-F00 (G04SMA001) PPM-S00-L00 (G04SMA002) PPM-S00-S00 (G04SMA003)</p>	

► SMP Connectors for Cable Assemblies

Unit : mm [Inch]

Straight JACK (SR085, SF085)	Right Angle JACK (SR085, SF085)
<p>• Type. 10GHz 40GHz • Part No. PFS01 (G04SFC001) PFS02 (G04SFC002) VSWR 1.45 : 1</p>	<p>• Type. 18GHz • Part No. PFR01 (G04RFC001) VSWR 1.45 : 1</p>

► Test Result of SMP Connectors

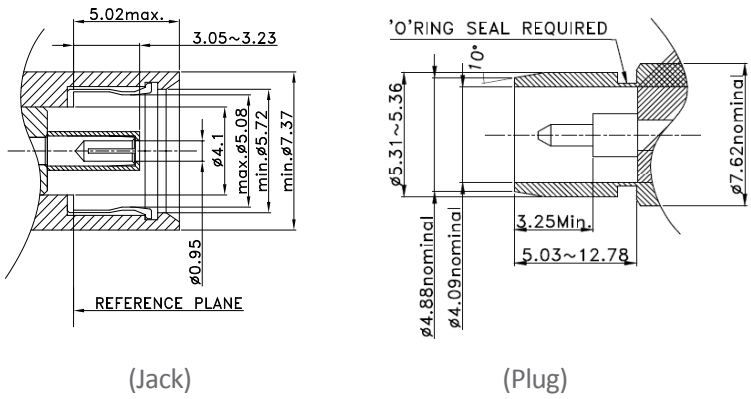


► Introduction

Gigalane BMA Connectors offer you precise mating and excellent VSWR performance through 18 GHz. They are designed based on MIL standard and are ideally suited for communication base station equipment, rack-and-panel applications with appropriate float-mounted jacks, building block systems such as radar.

► Interface Standards (MIL-STD-348)

Unit : mm



► Specification

Electrical	
Frequency	DC to 18 GHz
Impedance	50 Ω
VSWR	Connector- 1.2:1 (@18GHz) / Connector for Cable: 1.22~1.45:1(@18GHz)
Insulation Resistance	5000 MΩ
Dielectric Withstand Voltage	1000 Vrms max.
Contact resistance	- Outer Conductor - Inner Conductor
Insertion Loss	0.3dB max. (@ 18 GHz)
RF Leakage	- 90 dB @ 3 GHz
Mechanical	
Mating Cycle (Durability)	1000
Engagement Force	2.5 kg max. (24.5 N)
Disengagement Force	0.2 kg min (1.9 N)
Environmental	
Temperature	- 40°C to + 125°C
Thermal Shock	MIL-STD-202, method 107, Condition B
Corrosion (Salt Spray)	MIL-STD-202, method 101, Condition B
Shock	MIL-STD-202, method 213, Condition I
Vibration	MIL-STD-202, method 204, Condition D
Moisture resistance	MIL-STD-202, method 106
Materials	
Body	Beryllium Copper (BeCu) Brass Stainless Steel
Center Contact	Beryllium Copper (BeCu) Brass
Insulator	PTFE
	Gold Plated Gold Plated, Ni Plated Passivated, Gold Plated Gold Plated Gold Plated -

• DC to 18 GHz • High Reliability & Ease of Assembly • Push-On, Non-Locking Type

► PLUG (Male)

Unit : mm [Inch]

Panel Mount (2 HOLE, 15.9 mm LONG)

• Part No. PMM-S00-000 (G05SMA002)

Panel Mount (4 HOLE, 12.8 mm SQUARE)

• Part No. PMM-S01-000 (G05SMA003)

► BMA Connectors for Cable Assemblies

Unit : mm [Inch]

Straight PLUG Bulkhead (SR085, SF085)

• Part No. MMS01 (G05SMC004), VSWR 1.45:1 (@18GHz)

Straight PLUG Bulkhead (SR141, SF141)

• Part No. MMS02 (G05SMC005), VSWR 1.22:1 (@18GHz)

Straight Aligner JACK (SR085, SF085)

• Part No. MFS01 (G05SFC002) VSWR 1.45:1 (@18GHz)

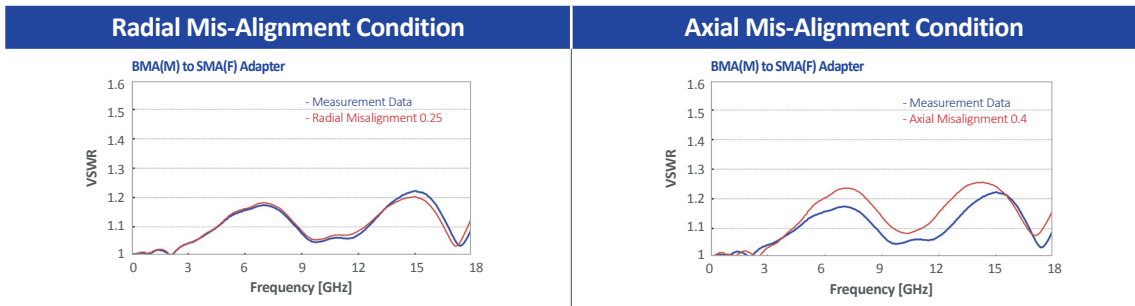
Right Angle JACK (2 HOLE, 21.9 mm LONG) (SR141, SF141)

• Part No. G05RFC001 VSWR 1.22:1 (@2GHz)

Straight Flange Jack (2HOLE, 15.1 mm Long) (SR141,SF141)

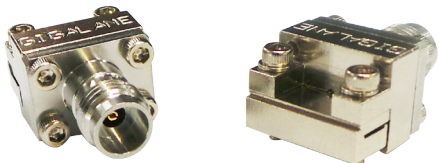
• Part No. G05SFC012

► Test Result of BMA Connectors



► Introduction

GigaLane High Performance End Launch Connectors are designed for 1.85mm(67GHz), 2.4 mm (50 GHz), 2.92 mm (40 GHz) and SMA (27 GHz) with Low VSWR. It is easily connected to GPCW transmission Line and Microstrip Line.



► Specification

Electrical		
Frequency	1.85 mm	DC to 67 GHz
	2.4 mm	DC to 50 GHz
	2.92 mm	DC to 40 GHz
Impedance	50 Ω	
VSWR	1.58:1 (-13 dB)	
Insertion loss	1.85 mm 5.0 dB@ 67 GHz, 2.4 mm 4.2 dB@ 50 GHz 2.92 mm 3.7 dB@ 40 GHz(tested with GCPWG R 4003 8mil 1inch)	

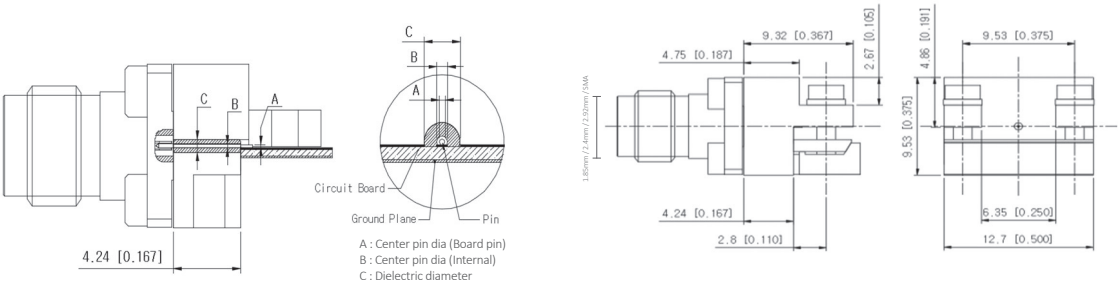
Environmental	
Thermal Shock	MIL-STD-202, method 107
Corrosion (Salt Spray)	N/A
Shock	MIL-STD-202, method 213
Vibration	MIL-STD-202, method 204
Moisture Resistance	MIL-STD-202, method 106

Materials			
Connector	Body	Stainless Steel	Passivated
	Center Contact	BeCu	Gold Plated
	Insulator	Engineering Plastic	-
Launched Block	Launched Block	Brass	Ni plated
	Pin	BeCu	Gold Plated
	Insulator	PTFE	-

Unit : mm [Inch]

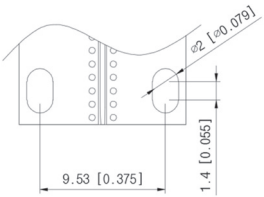
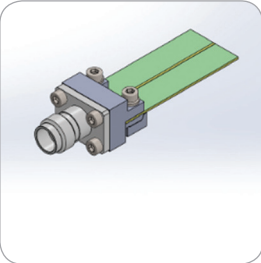
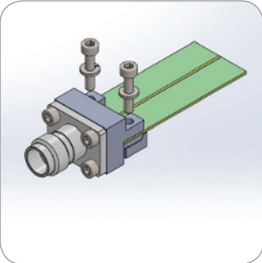
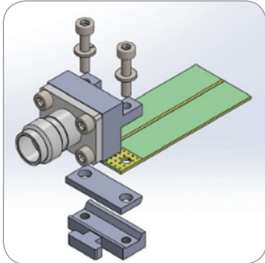
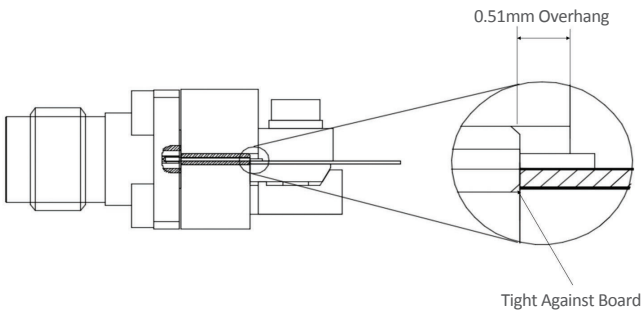
Part No.	Pin Diameter		Dielectric Diameter
	A	B	C
G14SFB001 (1.85 mm, 67 GHz)	0.13 [0.005]	0.23 [0.009]	0.73 [0.029]
G01SFB001 (2.4 mm, 50 GHz)	0.13 [0.005]	0.23 [0.009]	0.73 [0.029]
G02SFB002 (2.92 mm, 40 GHz)	0.18 [0.007]	0.3 [0.011]	0.93 [0.036]

Drawing

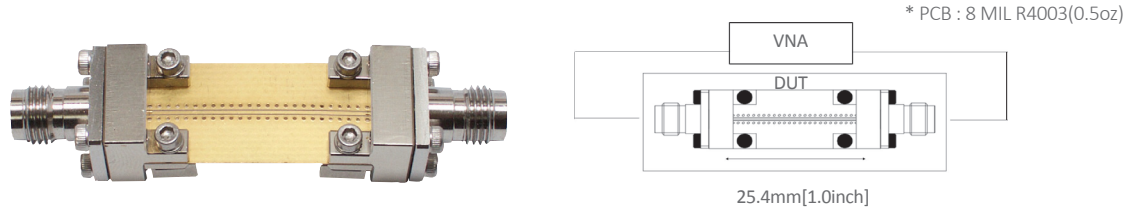


Installation Procedure

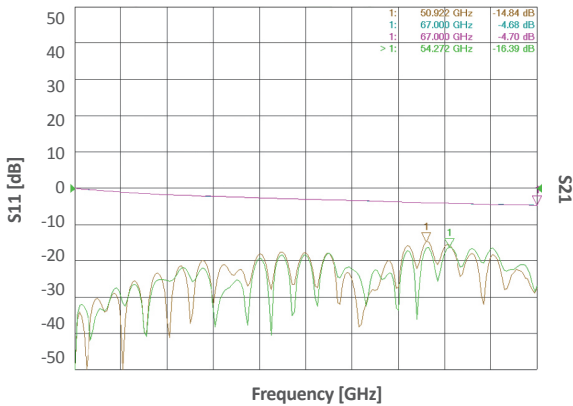
- Mount the end launch connector on the board in the desired position.
- Make sure the launch pin is at the center of the trace.
- Make sure the launched block is tight against board.
- Tighten the M1.6 (1.5 mm) mounting screws to be tighten unit the connector is secured.
- Recommended PCB Thickness : 1.0 mm under



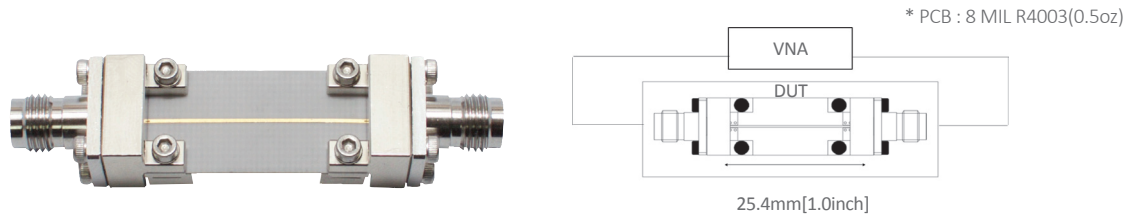
GCPWG Test Result of G14SFB001



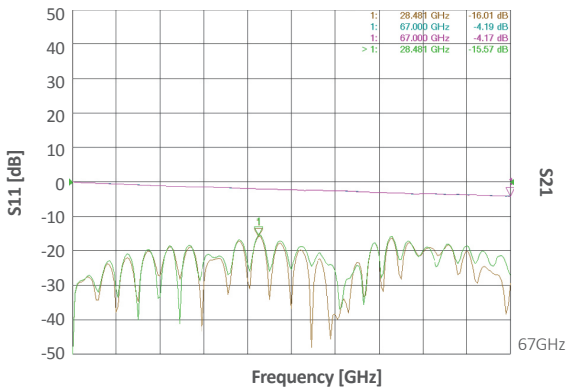
Specification	Test Result
- Insertion Loss : Min. - 5.0 dB @ 0.1~67 GHz - Return Loss : Max. - 13 dB @ 0.1~67 GHz	- Insertion Loss : Min. - 4.70 dB @ 0.1~67 GHz - Return Loss : Max. - 14.84 dB @ 0.1~67 GHz



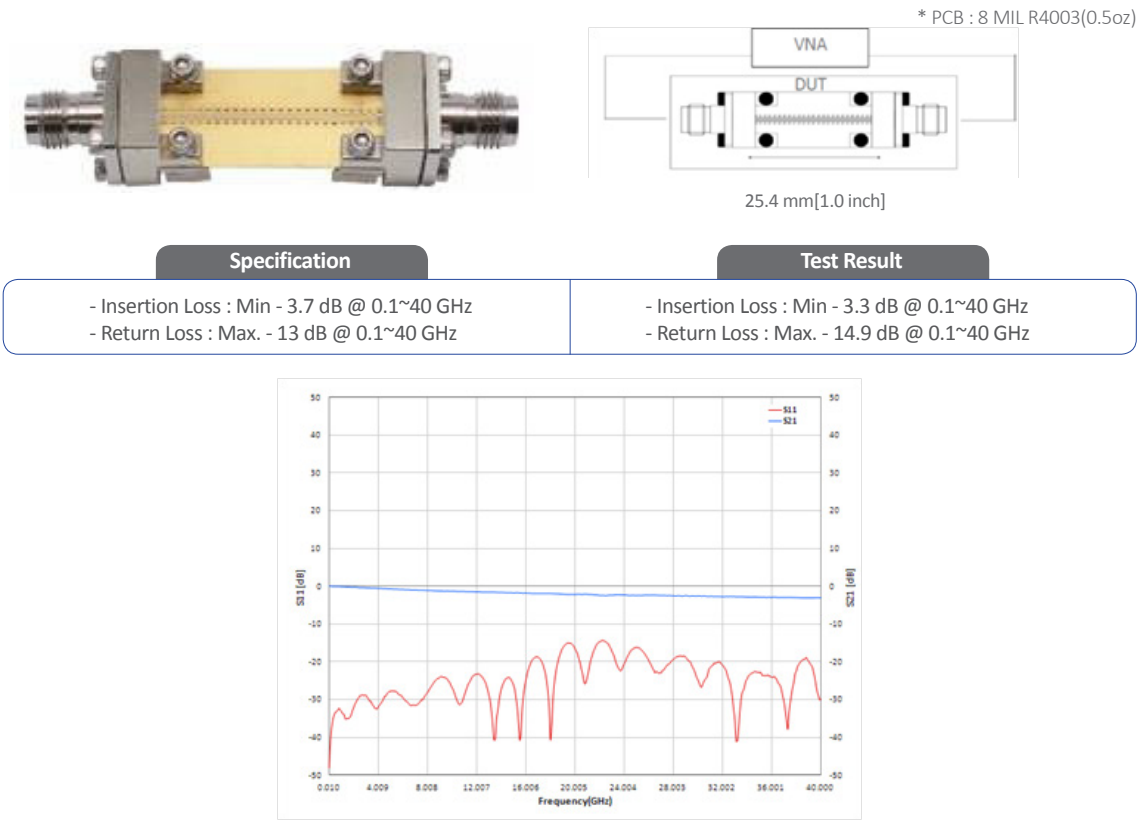
Microstrip with Top Ground Test Result of G14SFB001



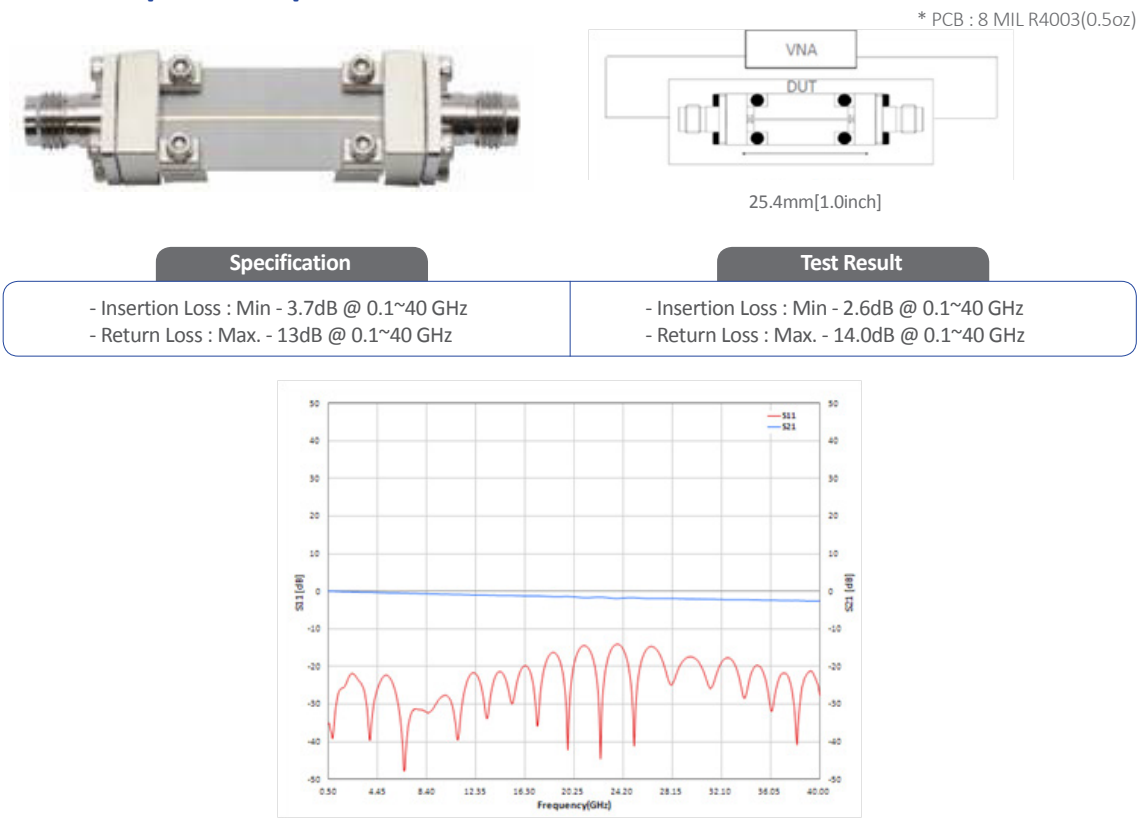
Specification	Test Result
- Insertion Loss : Min. - 5.0 dB @ 0.1~67 GHz - Return Loss : Max. - 13 dB @ 0.1~67 GHz	- Insertion Loss : Min. - 4.19 dB @ 0.1~67 GHz - Return Loss : Max. - 15.57 dB @ 0.1~67 GHz



► GCPWG Test Result of G02SFB002



► Microstrip with Top Ground Test Result of G02SFB002

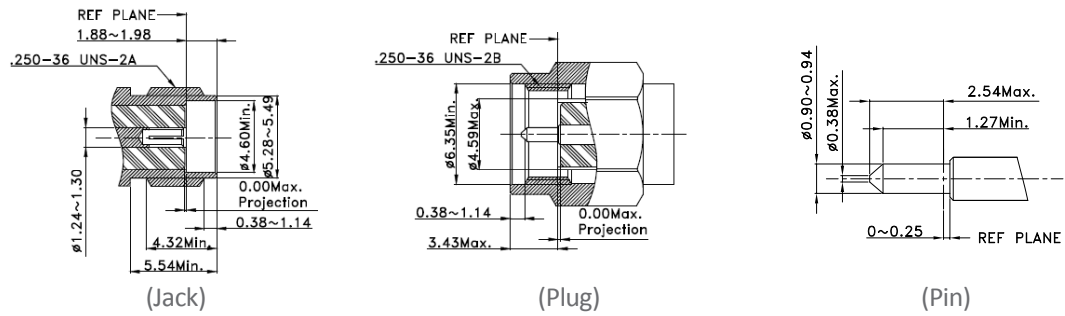


► Introduction

Gigalane High Performance SMA Connectors are designed for applications up to 26.5 GHz in the common high frequency substrates and it is suitable for military and microwave frequencies.

► Interface Standards(MIL-STD-348)

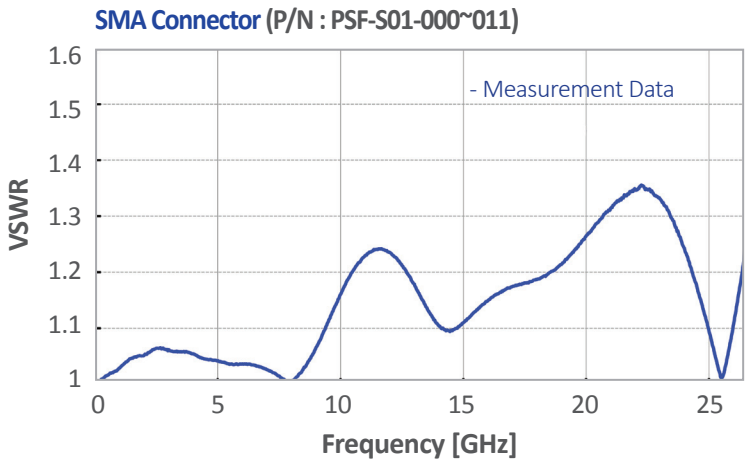
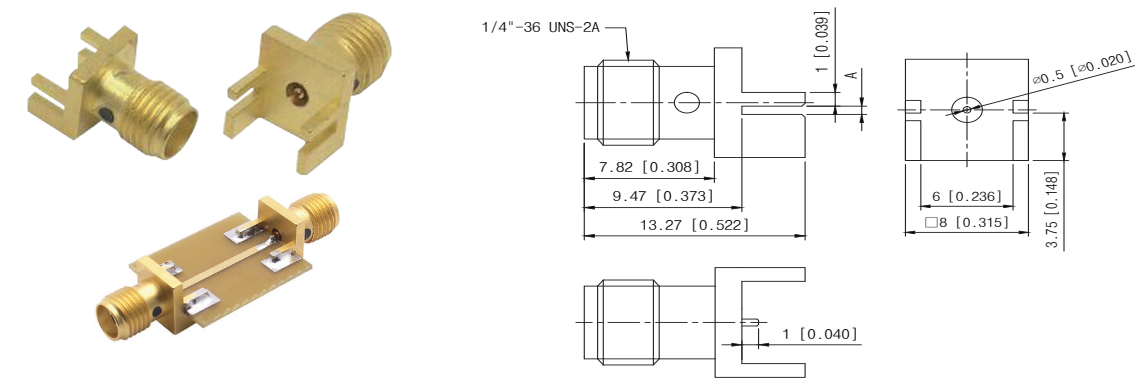
Unit : mm [Inch]



► Specification

Electrical		
Frequency	DC to 26.5 GHz	
Impedance	50 Ω	
VSWR (Only Connector)	1.2:1(@18 GHz), 1.43:1(@26.5 GHz)	
Insulation Resistance	5000 MΩ	
Dielectric Withstand Voltage	1000 Vrms max.	
Contact resistance - Outer Conductor - Inner Conductor	2mΩ max. 3mΩ max.	
Insertion Loss	0.3 dB max.	
RF Leakage	- 90 dB	
Power Handling	200 W @ 2 GHz	
Mechanical		
Mating Cycle (Durability)	500	
Recommended Mating Torque Proof Torque	0.9 ~ 1.13 Nm / 8 ~ 11.5 kgfcm 1.7 Nm / 15.0 lbs	
Coupling Nut Retention Force	270 N / 27.7 kgf / 61 lbs	
Center Contact Retention Force	2.6 pound (axial)	
Environmental		
Temperature	- 40°C to + 125°C	
Thermal Shock	condition B	
Corrosion (Salt Spray)	condition B, 5% Salt	
Shock	condition I	
Vibration	condition D	
Moisture Resistance	MIL-STD-202, method 106	
Materials		
Body	Stainless Steel Brass	Passivated Gold Plated
Center Contact	Beryllium Copper (BeCu) Brass	Gold Plated Gold Plated
Insulator	PTFE	-

GigaLane End Launch SMA Connector is designed for applications such as High Performance RF Circuit Boards. It is attached to RF circuit board by inserting the board edge between legs and soldering legs. It has excellent return Loss up to 26.5 GHz.

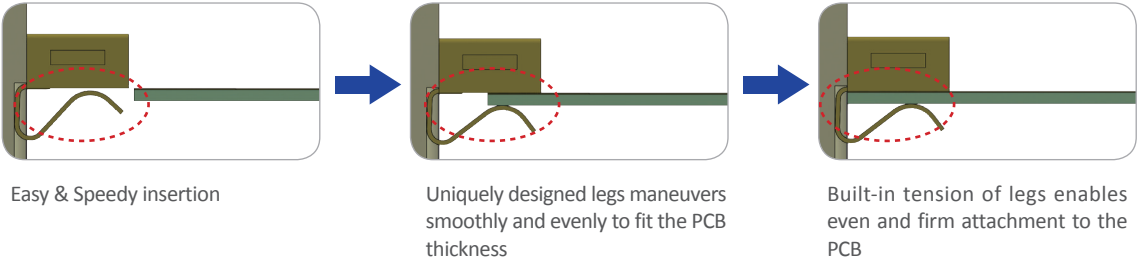
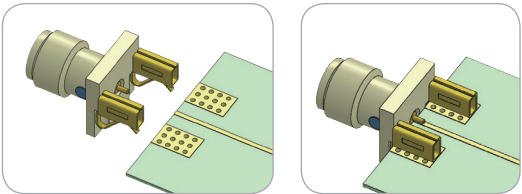


Unit : mm [Inch]

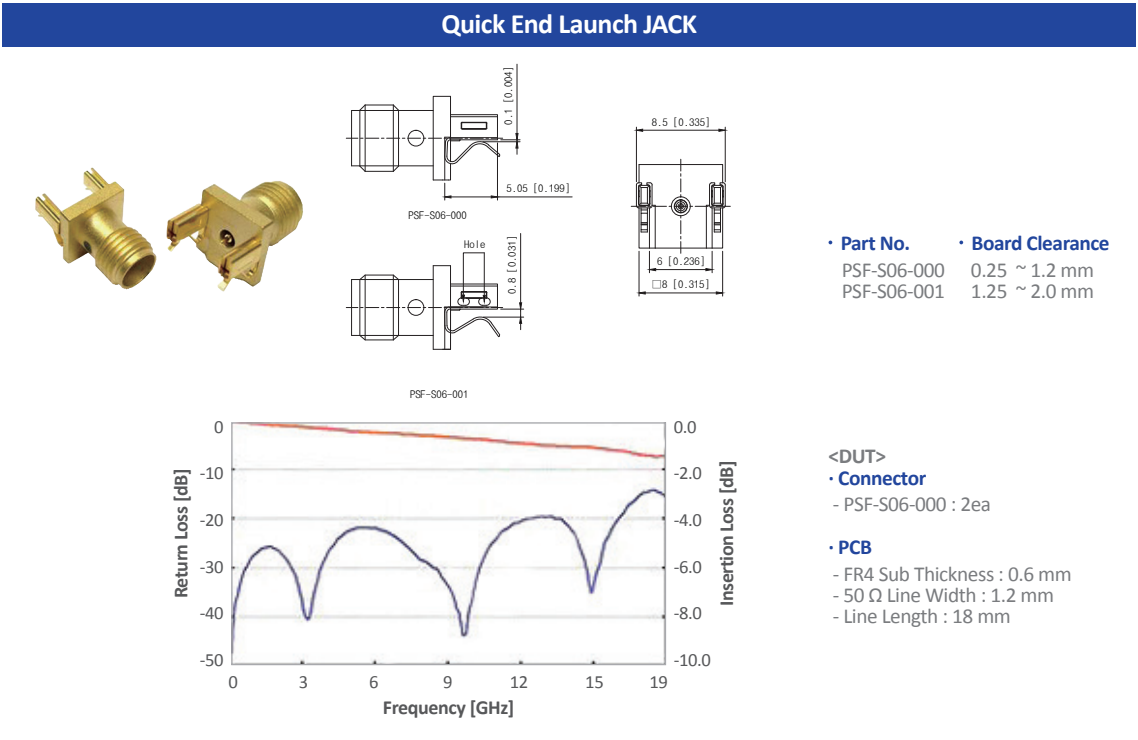
Part No.	Dia A.
PSF-S01-000	0.60 [0.024]
PSF-S01-001	0.80 [0.031]
PSF-S01-002	1.00 [0.039]
PSF-S01-003	1.10 [0.043]
PSF-S01-004	1.20 [0.047]
PSF-S01-005	1.30 [0.051]
PSF-S01-006	1.50 [0.059]
PSF-S01-007	1.60 [0.063]
PSF-S01-008	1.73 [0.068]
PSF-S01-009	2.10 [0.083]
PSF-S01-010	2.25 [0.089]
PSF-S01-011	3.60 [0.142]

*PCB Pattern See Appendix Fig 2.

GigaLane Quick End Launch (QEL™ SMA) is designed for quick launch at the edge of PCB board up to 26.5 GHz. Specially designed leg immediately adjusts and firmly holds its attachment with the PCB. It is ideal solution for all active & speedy tests required in R&D. When compared with conventional end launch connector, it will effectually reduce soldering and assembly time when deployed in mass production.

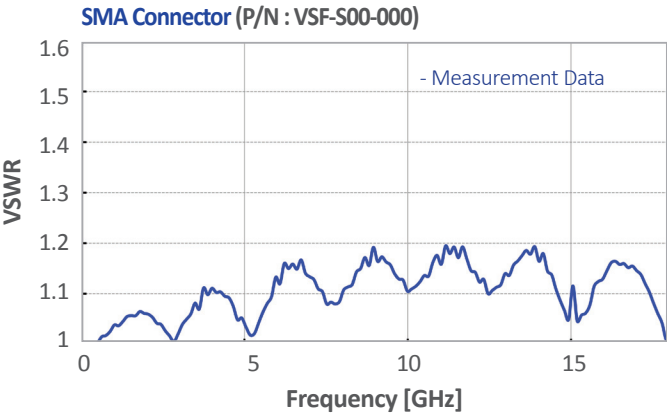


Unit : mm [Inch]



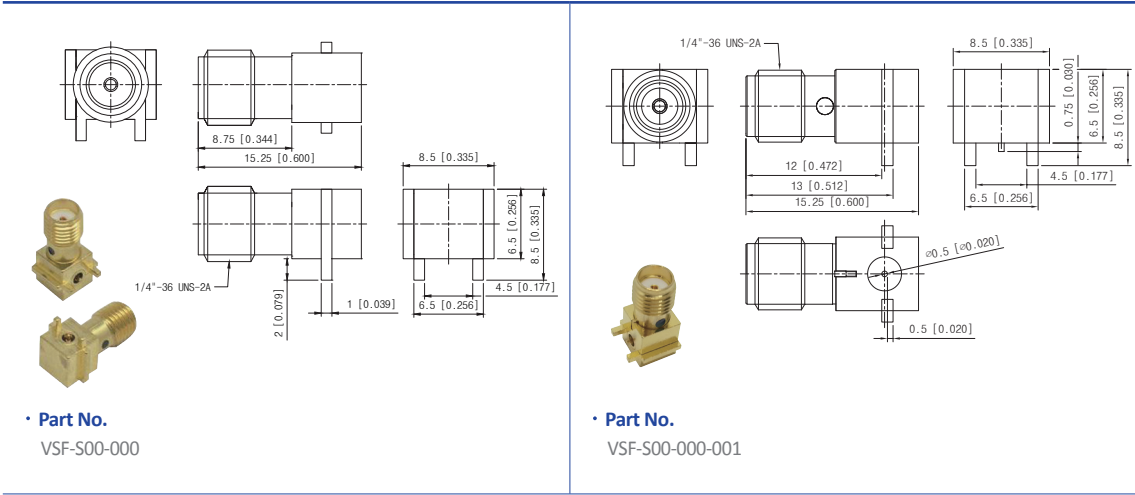
*As described in the table, 2 product specifications are available to accordingly cover all common PCB thicknesses.

GigaLane VEREND™ (Vertical-End launch) SMA Connector is designed for applications such as circuit boards for SMD (Surface Mounted Device) and for vertical mounting on RF test boards. It has excellent electrical transition on right angle section up to 26.5 GHz.



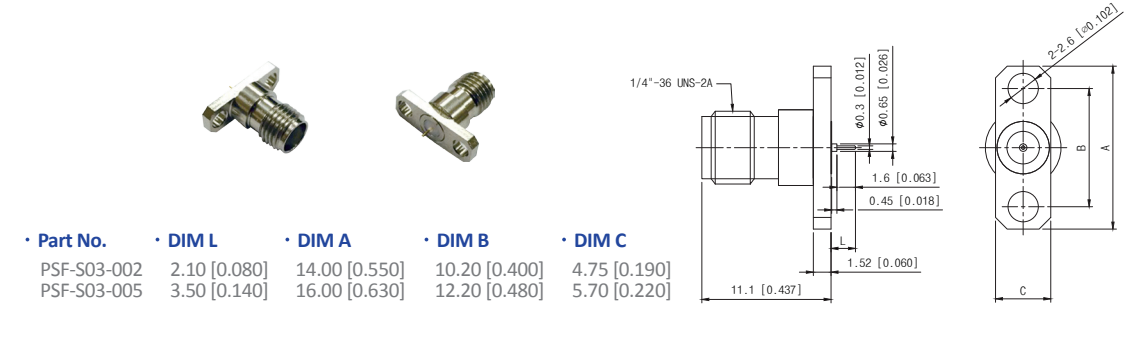
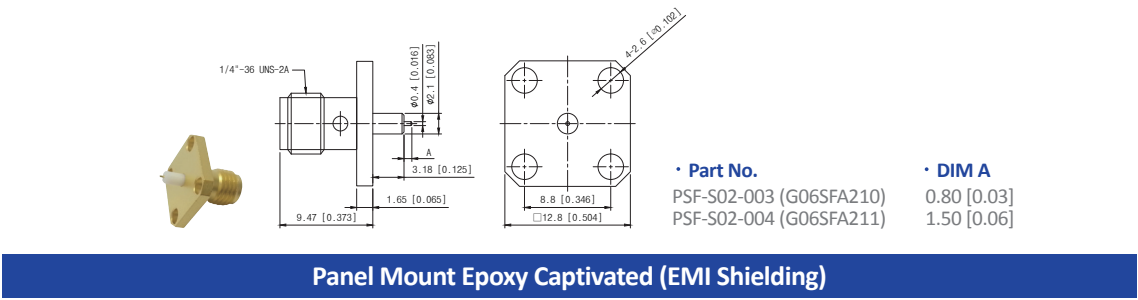
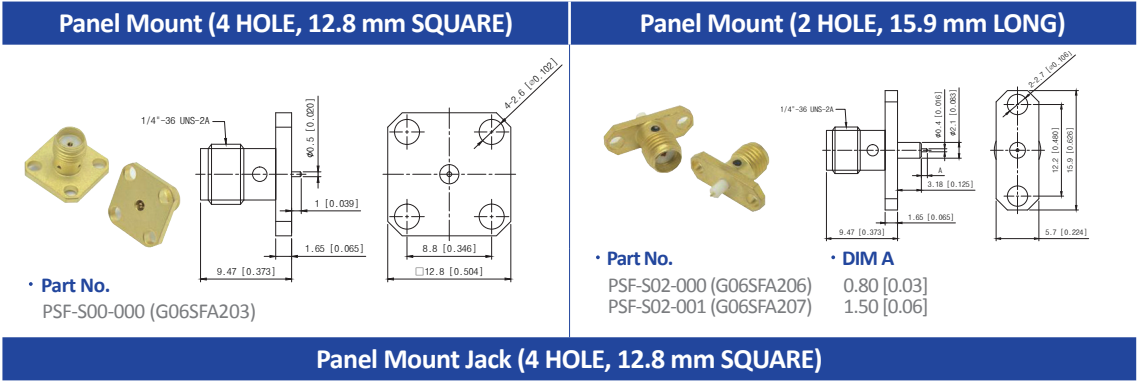
JACK (Female)

Unit : mm [Inch]



- DC to 26.5 GHz
- Mechanically Compatible with 2.92 mm & 3.5 mm Connectors
- Suitable for High-speed Wireless application

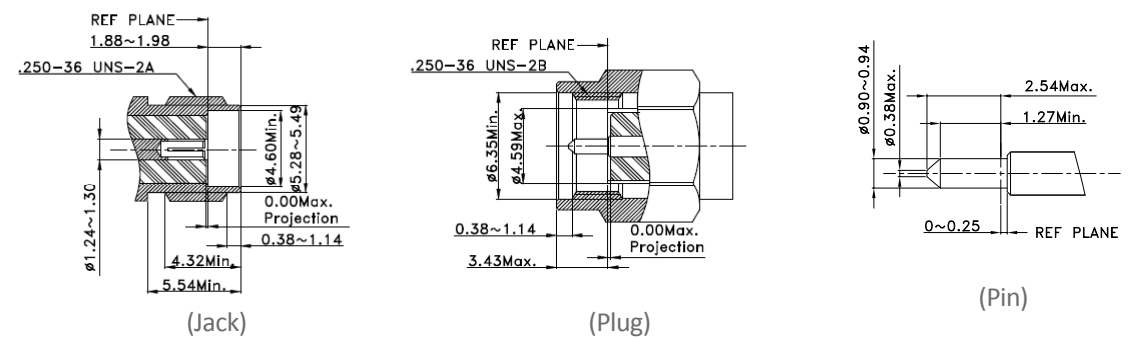
JACK (Female)



► Introduction

GigaLane SMA(Sub Miniature A) connectors are widely used in the frequency range DC to 18 GHz with low loss characteristics. SMA connectors are most used in military, microwave frequencies and telecommunication application.

► Interface Standards(MIL-STD-348)



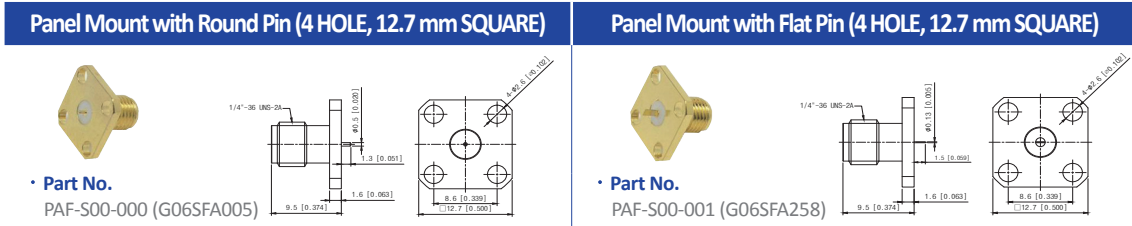
► Specification

Electrical		
Frequency	DC to 18 GHz (Mount type) / DC to 12 GHz (Cable type)	
Impedance	50 Ω	
VSWR (Only Connector)	Mount type: 1.2:1(@6GHz), 1.43:1(@18GHz) / Cable type: 1.43:1(@12GHz)	
Insulation Resistance	5000 MΩ	
Dielectric Withstand Voltage	1000 Vrms max.	
Contact resistance		
- Outer Conductor	2mΩ max.	
- Inner Conductor	3mΩ max.	
RF Leakage	- 90 dB	
Mechanical		
Mating Cycle (Durability)	500	
Recommended Mating Torque	0.8 ~ 1.13 Nm / 8.1 ~ 11.5 kgf cm	
Proof Torque	1.7 Nm / 17.2 kgf cm	
Coupling Nut Retention Force	270 N / 27.7 kgf / 61 lbs	
Center Contact Retention Force	1.36 kgf max. / 0.03 kgf min.	
Environmental		
Temperature	- 40°C to + 125°C	
Thermal Shock	MIL-STD-202, method 107	
Corrosion (Salt Spray)	MIL-STD-202, method 101	
Shock	MIL-STD-202, method 213	
Vibration	MIL-STD-202, method 204	
Moisture Resistance	MIL-STD-202, method 106	
Materials		
Body	Brass	Gold Plated
Center Contact	Brass / BeCu	Gold Plated
Insulator	PTFE	-

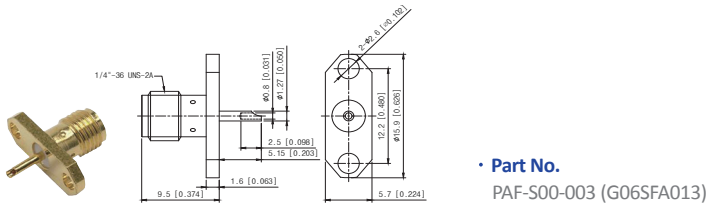
· DC to 18 GHz · Mechanically Compatible with 2.92 mm & 3.5 mm Connectors · High reliability, Durability and Mechanical stability

► JACK (Female)

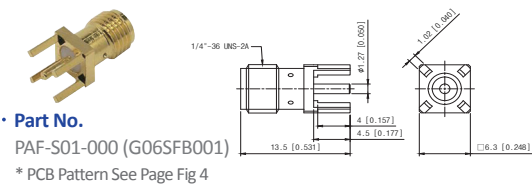
Unit : mm [Inch]



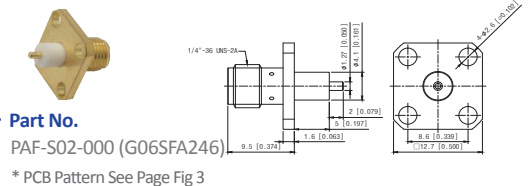
Panel Mount with Solder Pot Pin (2 HOLE, 15.9 mm LONG)



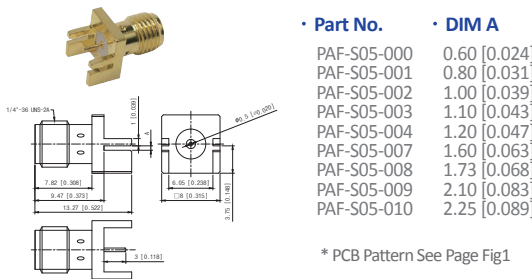
PCB Mount (13.5 mm LONG)



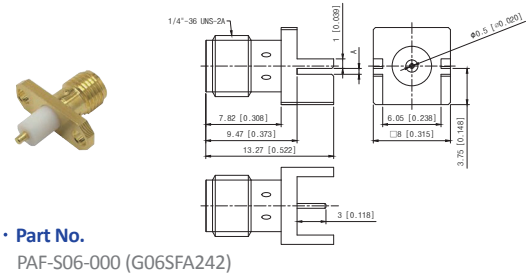
Panel Mount (4 HOLE, 12.7 mm SQUARE)



End Launch (13.27 mm LONG)



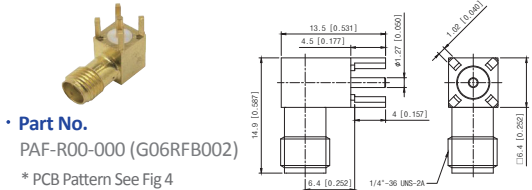
Panel Mount (2 HOLE, 15.9 mm LONG)



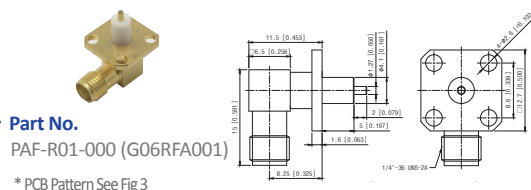
► JACK Right Angle (Female)

Unit : mm [Inch]

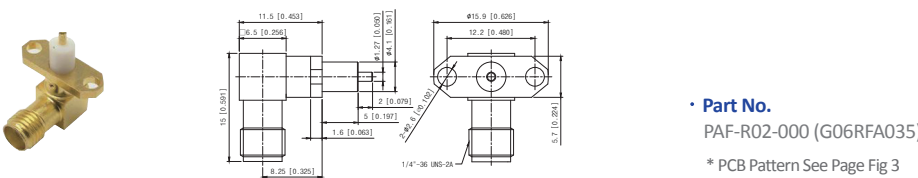
Right Angle PCB Mount



Right Angle Panel Mount (4 HOLE)


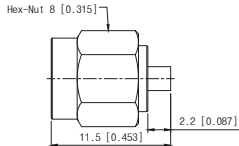

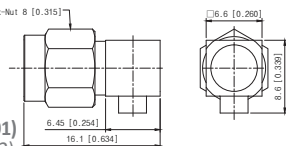

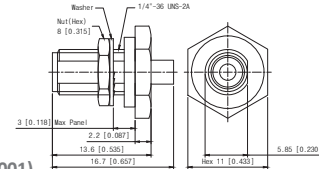

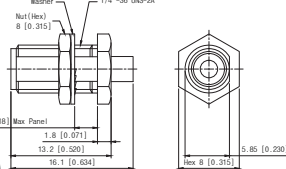

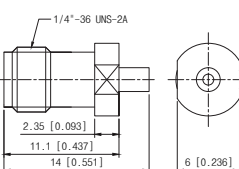

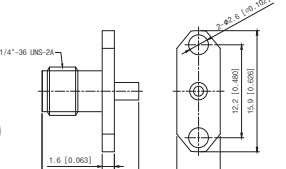

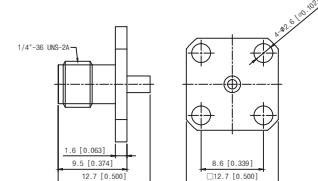


Right Angle Panel Mount (2 HOLE)




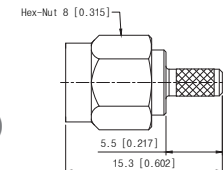

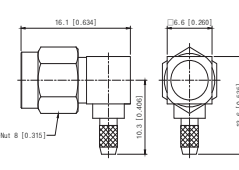

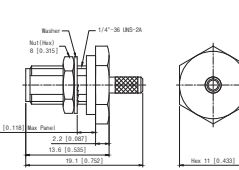

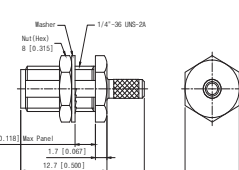
► For Semi-Rigid & Semi-Flexible Cable Assemblies

Unit : mm [Inch]

Straight PLUG (Male)	Right Angle PLUG (Male)
 • Cable • Part No. 047 AMS28 (G06SMC029) 085 AMS19 (G06SMC020) 141 AMS23 (G06SMC024) 	 • Cable • Part No. 085 AMR01 (G06RMC001) 141 AMR02 (G06RMC002) 
Bulkhead JACK (Female), 11 mm HEX	Bulkhead JACK (Female), 8.0 mm HEX
 • Cable • Part No. 085 AFS01 (G06SFC001) 141 AFS02 (G06SFC002) 	 • Cable • Part No. 085 AFS34 (G06SFC032) 141 AFS03 (G06SFC003) 
Straight JACK (Female)	Panel Mount JACK (2 HOLE, 15.9 mm LONG)
 • Cable • Part No. 034 AFS20 (G06SFC019) 047 AFS21 (G06SFC020) 085 AFS22 (G06SFC021) 141 AFS36 	 • Cable • Part No. 047 AFS04 (G06SFC004) 085 AFS05 (G06SFC005) 141 AFS06 (G06SFC006) 
Panel Mount JACK (4 HOLE, 12.7 mm SQUARE)	
  • Cable • Part No. 047 AFS07 (G06SFC007) 085 AFS08 (G06SFC008) 141 AFS09 (G06SFC009)	

► For Flexible Cable Assemblies

Unit : mm [Inch]

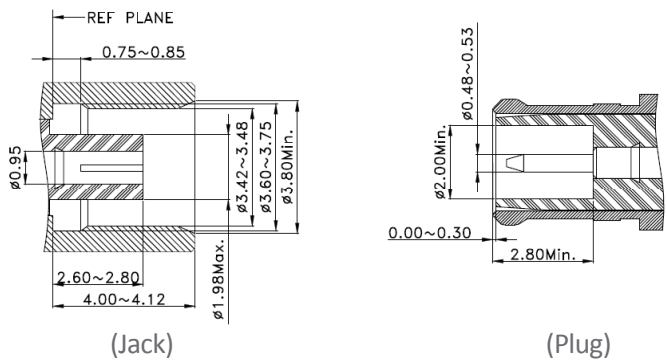
Straight PLUG	Right Angle PLUG
 • Cable • Part No. RG316 AMS05 (G06SMC006) RG178 AMS06 (G06SMC007) RG400 AMS07 (G06SMC008) 	 • Cable • Part No. RG316 AMR03 (G06RMC003) RG178 AMR04 (G06RMC004) RG400 AMR05 (G06RMC005) 
Bulkhead JACK (Female), 11 mm HEX	Bulkhead JACK (Female), 8.0 mm HEX
 • Cable • Part No. RG316 AFS10 (G06SFC010) RG178 AFS11 (G06SFC011) RG400 AFS12 (G06SFC012) 	 • Cable • Part No. RG316 AFS14 (G06SFC014) RG178 AFS15 (G06SFC015) RG400 AFS16 (G06SFC016) 

► Introduction

GigaLane MCX Connectors are intended for use with microwave application requiring excellent performance up to 6 GHz in 50 Ohm impedance. MCX connectors are similar in design to SMB connectors but smaller than SMB connectors. Typical applications for MCX connectors include GPS, wireless communication and automotives.

► Interface Standards (CECC22220)

Unit : mm



► Specification

Electrical		
Frequency	DC to 6 GHz	
Impedance	50 Ω	
VSWR	1.2:1 @ 3 GHz, 1.43:1 @ 6 GHz	
Insulation Resistance	1000 MΩ	
Dielectric Withstand Voltage	750 Vrms max.	
Contact Resistance - Outer Conductor - Inner Conductor	2.5mmΩ max. 5mmΩ max.	
RF Leakage	> 60 dB @ 1 GHz	
Mechanical		
Mating Cycle (Durability)	500	
Engagement and Separation Force	Engagement : 6.4 kgf max. (63 N max.) Separation : 0.8 kgf to 2 kgf (8 N to 20 N)	
Contact Captivation	1.0 kgf (10 N) axial	
Environmental		
Temperature	- 55°C to + 155° C	
Thermal Shock	CECC22220 4.6.7	
Corrosion (Salt Spray)	CECC22220 4.6.10	
Vibration	CECC22220 4.6.3	
Moisture Resistance	CECC22220 4.6.6	
Materials		
Body	Brass / Becu	Gold Plated
Center Contact	Brass / Becu	Gold Plated
Insulator	PTFE	-

*Note : These characteristics are typical but may not apply to all connectors.

JACK (Female)

Unit : mm [Inch]

PCB Mount	PCB Mount
 • Part No. PDF-S01-000 (G09SFB001) * PCB Pattern See Fig 5	 • Part No. PDF-S02-000 (G10SFB002) * PCB Pattern See Fig 5
PCB Edge Mount	Panel Mount(2 HOLE 16 mm LONG)
 • Part No. PDF-S03-000 (G10SFB003) * PCB Pattern See Fig 8	 • Part No. PDF-S04-000 (G10RFB001) * PCB Pattern See Fig 9
Right Angle PCB Mount	Right Angle PCB Mount
 • Part No. PDF-R00-000 (G09RFB001) * PCB Pattern See Fig 6	 • Part No. PDF-R01-000 (G09RFB007) * PCB Pattern See Fig 7

Plug (Male)

Unit : mm [Inch]

PCB Mount
 • Part No. PDM-S01-000 (G09SMB001) * PCB Pattern See Fig 5

MCX Connectors for Cable Assemblies

For Semi-Rigid & Semi-Flexible Cable Assemblies

Unit : mm [Inch]

Straight PLUG	Right Angle PLUG
 • Cable • Part No. 047 DMS04 (G09SMC003) 085 DMS01 (G09SMC001)	 • Cable • Part No. 047 G09RMC019 085 DMR07 (G09RMC006)

For Flexible Cable Assemblies

Unit : mm [Inch]

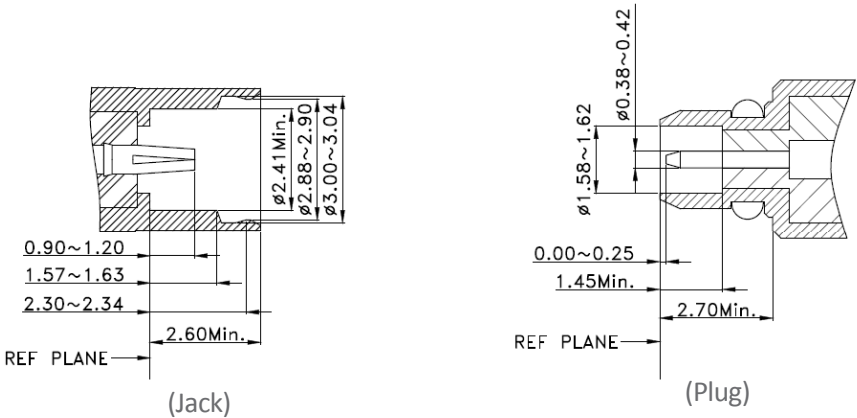
Straight PLUG	Right Angle PLUG
 • Cable • Part No. RG178 DMS05 (G09SMC004) RG316 DMS02 (G09SMC002)	 • Cable • Part No. RG178 DMR04 (G09RMC004) RG316 DMR02 (G09RMC002)

Introduction

GigaLane MMCX Connectors are intended for use in applications where the smallest dimensions are required. These connectors operate up to 6 GHz and are optimum for wireless communication systems such as cellular, wireless and PCS. MMCX provides a low RF-leakage by its non-slotted outer contact.

Interface Standards(CECC22220)

Unit : mm



Specification

Electrical		
Frequency	DC to 6 GHz	
Impedance	50 Ω	
VSWR	1.2:1 @ 3 GHz, 1.43:1 @ 6 GHz	
Insulation Resistance	1000 MΩ	
Dielectric Withstand Voltage	250 Vrms max.	
Contact Resistance	2.5 mm Ω max.	
- Outer Conductor	5 mm Ω max.	
- Inner Conductor		
RF Leakage	> 60 dB @ 1 GHz	
Mechanical		
Mating Cycle (Durability)	500	
Engagement and Separation Force	Engagement : 1.8 kgf max. (18 N max.) Separation : 0.6 kgf to 1.8 kgf (6 N to 18 N)	
Center Contact Retention Force	1.0 kgf (10 N) axial	
Environmental		
Temperature	- 55°C to + 155° C	
Thermal Shock	CECC22220 4.6.7	
Corrosion (Salt Spray)	CECC22220 4.6.10	
Vibration	CECC22220 4.6.3	
Moisture Resistance	CECC22220 4.6.6	
Materials		
Body	Brass / Becu	Gold Plated
Center Contact	Brass / Becu	Gold Plated
Insulator	PTFE	-

JACK (Female)

Unit : mm [Inch]

PCB Mount	PCB Mount
<p>• Part No. PEF-S00-000 (G10SFB001) * PCB Pattern See Fig 10</p>	<p>• Part No. PEF-S01-000 (G10SFB002) * PCB Pattern See Fig 11</p>
PCB Edge Mount	Right Angle PCB Mount
<p>• Part No. PEF-S02-000 (G10SFB003) * PCB Pattern See Fig 13</p>	<p>• Part No. PEF-R00-000 (G10RFB001) * PCB Pattern See Fig 12</p>

MMCX Connectors for Cable Assemblies

For Semi-Rigid & Semi-Flexible Cable Assemblies

Unit : mm [Inch]

Straight PLUG	Right Angle PLUG
<p>• Cable • Part No. 047 EMS03 (G10SMC004) 085 EMS02 (G10SMC003)</p>	<p>• Cable • Part No. 047 EMR02 (G10RMC002) 085 EMR03 (G10RMC003)</p>

For Flexible Cable Assemblies

Unit : mm [Inch]

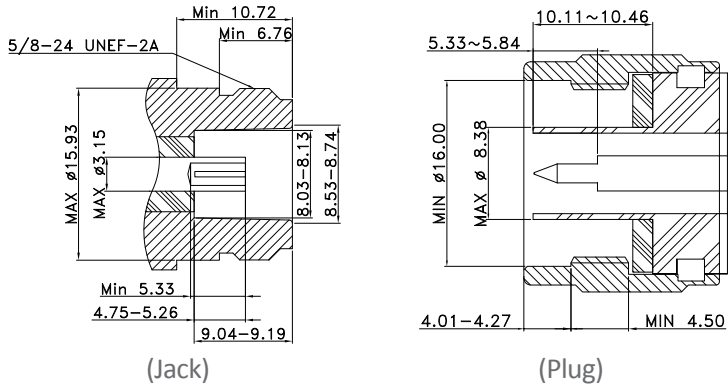
Straight PLUG	Right Angle PLUG
<p>• Cable • Part No. RG178 EMS04 (G10SMC005) RG316 EMS01 (G10SMC002)</p>	<p>• Cable • Part No. RG178 EMR04 (G10RMC004) RG316 EMR01 (G10RMC001)</p>
Straight JACK	Bulkhead JACK
<p>• Cable • Part No. RG178 EFS01 (G10SFC001) RG316 EFS03 (G10SFC003)</p>	<p>• Cable • Part No. RG316 EFS02 (G10SFC002)</p>

Introduction

Gigalane N-type connectors are designed for applications up to 6 GHz
Because of the endurance, it is optimum for high power fixed wireless communication equipments.

Interface Standards (MIL-STD-348)

Unit : mm



Specification

Electrical		
Frequency	DC to 6 GHz	
Impedance	50 Ω	
VSWR	1.2 : 1 @ 6 GHz	
Insulation Resistance	5000 MΩ	
Dielectric Withstand Voltage	1200 Vrms max.	
Contact Resistance		
- Outer Conductor	1mΩ max.	
- Inner Conductor	1mΩ max.	
Insertion Loss	0.2 dB max. @ 3 GHz	
RF Leakage	> 60 dB	
Power Handling	500W (@ 2 GHz)	
Mechanical		
Mating Cycle (Durability)	500	
Recommended Mating Torque	0.68 ~ 1.33 Nm / 6.9 ~ 13.6 kgfcm	
Proof Torque	1.73 Nm / 17.6 kgfcm	
Coupling Nut Retention Force	45.8 kgf(450 N)	
Contact Captivation	2.8 kgf Min. (28N Min.)	
Environmental		
Temperature	- 40°C to + 125°C	
Thermal Shock	MIL-STD-202, method 107, test condition B	
Corrosion (Salt Spray)	MIL-STD-202, method 101, test condition B, 5% salt	
Vibration	MIL-STD-202, method 204, condition B (20G)	
Shock	MIL-STD-202, method 213, condition I (100G)	
Moisture Resistance	MIL-STD-202, method 106	
Materials		
Body	Brass	Ni Plated
Center contact	Beryllium Copper(BeCu)	Gold Plated
	Brass	Gold Plated
Insulator	PTFE	-
Gaskets	Silicon	-

JACK (Female)

Unit : mm [Inch]

Panel Mount (4 HOLE, 25.4 mm SQUARE)	Panel Mount (4 HOLE, 17.5 mm SQUARE)
<p>• Part No. PNF-S00-000 *PCB Pattern See Fig 15</p>	<p>• Part No. PNF-S01-000 *PCB Pattern See Fig 15</p>

N-Type Connectors for Cable Assemblies

For Semi-Rigid & Semi-Flexible Cable Assemblies

Unit : mm [Inch]

Straight PLUG	Bulk head PLUG
<p>• Cable • Part No. 085 NMS01 (G07SMC001) 141 NMS31 (G07SMC034) 141 NMS17 (G07SMC021)</p>	<p>• Cable • Part No. 085 NFS01 141 NFS02</p>
Panel Mount (4 HOLE, 25.4 mm SQUARE)	
<p>• Cable • Part No. 085 NFS09 141 NFS03</p>	

For Flexible Cable Assemblies

Unit : mm [Inch]

Straight PLUG
<p>• Cable • Part No. RG316 NMS06 RG400 NMS04</p>

RF & MW Adapters

- Precision Adapters in Series
- Precision Adapters between Series
- SMP Adapters
- BMA Adapters
- Standard Adapters

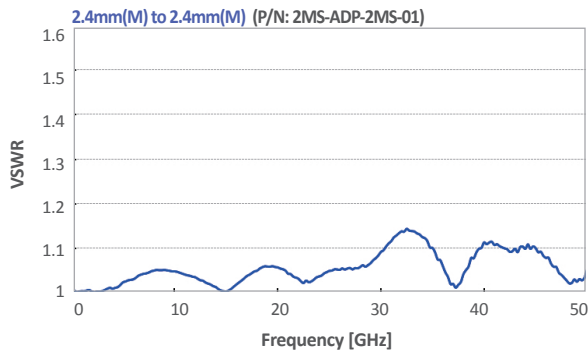
► 2.4mm to 2.4mm

Electrical

Frequency	DC to 50 GHz	
Insertion Loss	0.45 dB @ 50 GHz	
Impedance	50Ω	
VSWR	1.2 : 1 max.	
Temperature	- 40°C to + 125°C	

Materials

Body	Stainless Steel	Passivated
Center Contact	Brass / BeCu	Gold Plated
Insulator	Engineering Plastic	-

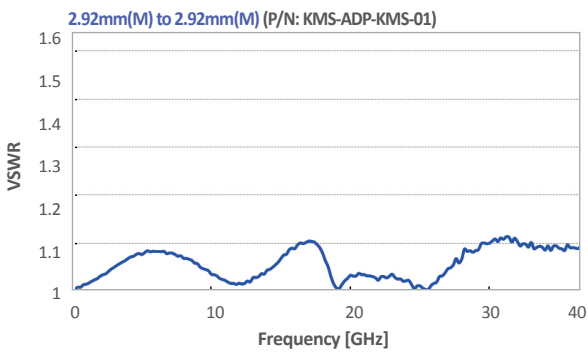


Unit : mm [Inch]

2.4 mm (M) - 2.4 mm (M)	2.4 mm (M) - 2.4 mm (F)
<ul style="list-style-type: none">• Part No. 2MS-ADP-2MS-01 (G01M01MSD001)• Freq. 50 GHz• VSWR Max. 1.2	<ul style="list-style-type: none">• Part No. 2MS-ADP-2FS-01 (G01M01FSD001)• Freq. 50 GHz• VSWR Max. 1.2
2.4 mm (F) - 2.4 mm (F)	
<ul style="list-style-type: none">• Part No. 2FS-ADP-2FS-01 (G01F01FSD001)• Freq. 50 GHz• VSWR Max. 1.2	

► 2.92mm to 2.92mm

Electrical		
Frequency	DC to 40 GHz	
Insertion Loss	0.4 dB @ 40 GHz	
VSWR	1.2 : 1 max.	
Temperature	- 40°C to + 125°C	
Materials		
Body	Stainless steel	Passivated
Center Contact	Brass / BeCu	Gold Plated
Insulator	Engineering Plastic	-

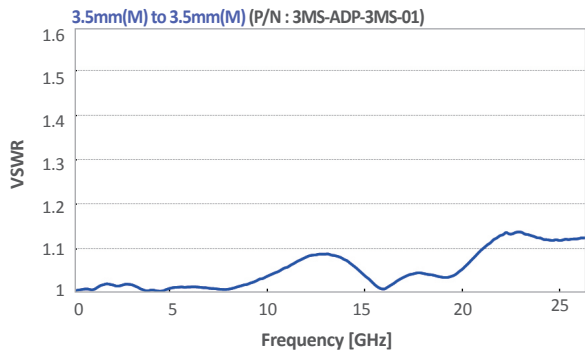


Unit : mm [Inch]

2.92 mm (M) - 2.92 mm (M)	2.92 mm (M) - 2.92 mm (F)
<ul style="list-style-type: none">• Part No. KMS-ADP-KMS-01 (G02M02MSD001)• Freq. 40 GHz• VSWR Max. 1.2	<ul style="list-style-type: none">• Part No. KMS-ADP-KFS-01 (G02M02FSD001)• Freq. 40 GHz• VSWR Max. 1.2
2.92 mm (F) - 2.92 mm (F)	2.92 mm (F) - 2.92 mm (F) (4 HOLE, 12.7mm SQUARE)
<ul style="list-style-type: none">• Part No. KFS-ADP-KFS-01 (G02F02FSD001)• Freq. 40 GHz• VSWR Max. 1.2	<ul style="list-style-type: none">• Part No. KFS-ADP-KFS-03-4H (G02F02FSD003)• Freq. 40 GHz• VSWR Max. 1.2
2.92 mm (F) - 2.92 mm (F)	
<ul style="list-style-type: none">• Part No. KFS-ADP-KFS-02-BH (G02F02FSD002)• Freq. 40 GHz• VSWR Max. 1.2	

► 3.5mm to 3.5mm

Electrical		
Frequency	DC to 26.5 GHz	
Insertion Loss	0.5 dB @ 26.5 GHz	
VSWR	1.2 : 1 max.	
Temperature	- 40°C to + 125°C	
Materials		
Body	Stainless Steel	Gold Plated
Center Contact	Brass / BeCu	Gold Plated
Insulator	Engineering Plastic	-



<p>3.5 mm (M) - 3.5 mm (M)</p> <ul style="list-style-type: none">• Part No. 3MS-ADP-3MS-01 (G03M03MSD002)• Freq. 26.5 GHz• VSWR Max. 1.2	<p>3.5 mm (M) - 3.5 mm (F)</p> <ul style="list-style-type: none">• Part No. 3MS-ADP-3FS-01 (G03M03FSD002)• Freq. 26.5 GHz• VSWR Max. 1.2
<p>3.5 mm (F) - 3.5 mm (F)</p> <ul style="list-style-type: none">• Part No. 3FS-ADP-3FS-01 (G03F03MSD002)• Freq. 26.5 GHz• VSWR Max. 1.2	

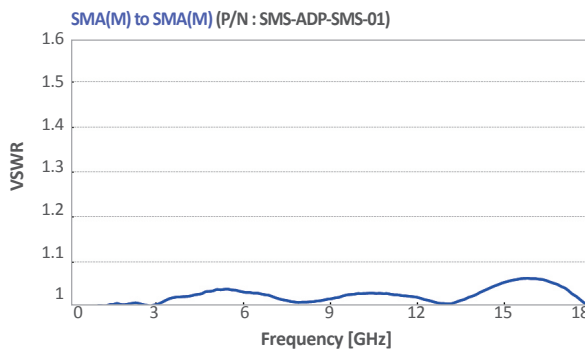
► SMA to SMA

Electrical

Frequency	DC to 18 GHz	
Insertion Loss	0.3 dB @ 18 GHz	
VSWR	1.25:1 (@26.5GHz)	
Temperature	- 40°C to + 125°C	

Materials

Body	Stainless steel	Passivated
Center Contact	Brass / BeCu	Gold Plated
Insulator	PTFE	-



<p>SMA (M) - SMA (M)</p> <ul style="list-style-type: none">• Part No. SMS-ADP-SMS-01 (G06M06MSD001)• Freq. 18 GHz• VSWR Max. 1.2	<p>SMA (M) - SMA (F)</p> <ul style="list-style-type: none">• Part No. SMS-ADP-SFS-01 (G06M06FSD001)• Freq. 18 GHz• VSWR Max. 1.2
<p>SMA (F) - SMA (F)</p> <ul style="list-style-type: none">• Part No. SFS-ADP-SFS-01 (G06F06FSD001)• Freq. 18 GHz• VSWR Max. 1.2	<p>SMA (F) - SMA (F) (4 HOLE 12.7mm SQUARE)</p> <ul style="list-style-type: none">• Part No. SFS-ADP-SFS-06-4H (G06F06FSD006)• Freq. 18 GHz• VSWR Max. 1.25

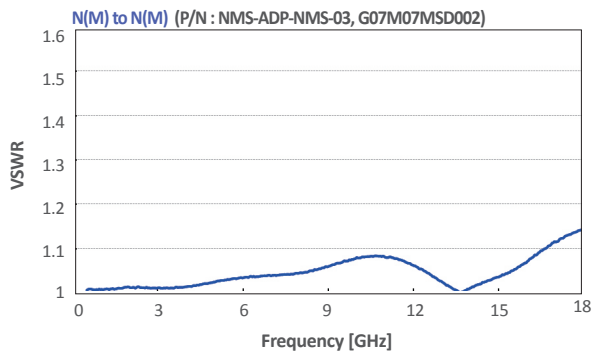
N to N

Electrical

Frequency	DC to 18 GHz	
Insertion Loss	0.35 dB @ 18 GHz	
VSWR	1.2 : 1 max.	
Temperature	- 40°C to + 125°C	

Materials

Body	Stainless Steel	Passivated
Center Contact	Brass / BeCu	Gold Plated
Insulator	Engineering Plastic	-



Unit : mm [Inch]

<p>N (M) - N (M)</p> <ul style="list-style-type: none">• Part No. NMS-ADP-NMS-03 (G07M07MSD002)• Freq. 18 GHz• VSWR Max. 1.2	<p>N (M) - N (F)</p> <ul style="list-style-type: none">• Part No. NMS-ADP-NFS-03 (G07M07FSD001)• Freq. 18 GHz• VSWR Max. 1.2
<p>N (F) - N (F)</p> <ul style="list-style-type: none">• Part No. NFS-ADP-NFS-03 (G07F07FSD003)• Freq. 18 GHz• VSWR Max. 1.2	

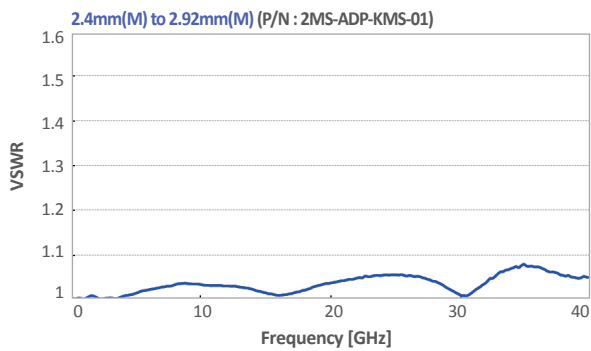
2.4 mm to 2.92 mm

Electrical

Frequency	DC to 40 GHz	
Insertion Loss	0.35 dB @ 40 GHz	
VSWR	1.22:1(@40GHz)	
Temperature	- 40°C to + 125°C	

Materials

Body	Stainless steel	Passivated
Center Contact	Beryllium Copper(BeCu) Brass	Gold Plated Gold Plated
Insulator	Engineering Plastic	-

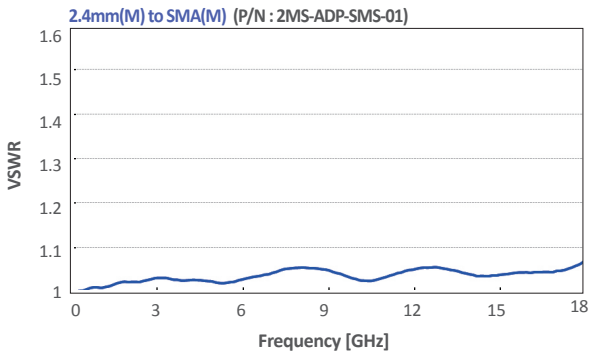


Unit : mm [Inch]

<p>2.4 mm (M) - 2.92 mm (M)</p> <ul style="list-style-type: none">• Part No. 2MS-ADP-KMS-01 (G01M02MSD001)• Freq. 40 GHz• VSWR Max. 1.2	<p>2.4 mm (M) - 2.92 mm (F)</p> <ul style="list-style-type: none">• Part No. 2MS-ADP-KFS-01(G01M02FSD001)• Freq. 40 GHz• VSWR Max. 1.2
<p>2.4 mm (F) - 2.92 mm (M)</p> <ul style="list-style-type: none">• Part No. 2FS-ADP-KMS-01 (G01F02MSD001)• Freq. 40 GHz• VSWR Max. 1.2	<p>2.4 mm (F) - 2.92 mm (F)</p> <ul style="list-style-type: none">• Part No. 2FS-ADP-KFS-01 (G01F02FSD001)• Freq. 40 GHz• VSWR Max. 1.2

► 2.4 mm to SMA

Electrical		
Frequency	DC to 18 GHz	
Insertion Loss	0.25 dB @ 18 GHz	
VSWR	1.2 : 1 max.	
Temperature	- 40°C to + 125°C	
Material data		
Body	Stainless Steel	Passivated
Center Contact	Beryllium Copper(BeCu) Brass	Gold Plated Gold Plated
Insulator	PTFE	

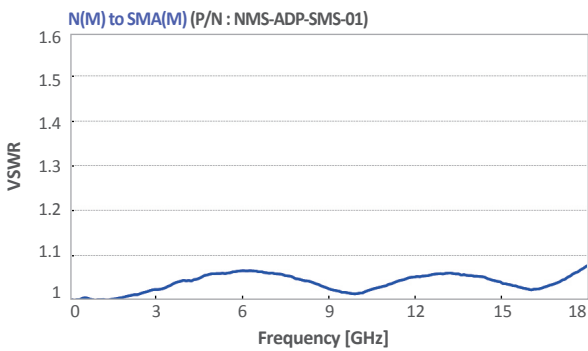


Unit : mm [Inch]

2.4 mm (M) – SMA (M)	2.4 mm (M) – SMA (F)
<ul style="list-style-type: none">• Part No. 2MS-ADP-SMS-01• Freq. 18 GHz• VSWR Max. 1.2	<ul style="list-style-type: none">• Part No. 2MS-ADP-SFS-01• Freq. 18 GHz• VSWR Max. 1.2
2.4 mm (F) – SMA (M)	2.4 mm (F) - SMA (F)
<ul style="list-style-type: none">• Part No. 2FS-ADP-SMS-01• Freq. 18 GHz• VSWR Max. 1.2	<ul style="list-style-type: none">• Part No. 2FS-ADP-SFS-01• Freq. 18 GHz• VSWR Max. 1.2

► N to SMA

Electrical data		
Frequency	DC to 18 GHz	
Insertion Loss	0.25 dB @ 18 GHz	
VSWR	1.22:1(@18GHz)	
Temperature	-4 0°C to + 125°C	
Materials		
Body	Stainless steel	Passivated
Center Contact	Beryllium Copper(BeCu) Brass	Gold Plated Gold Plated
Insulator	PTFE	-

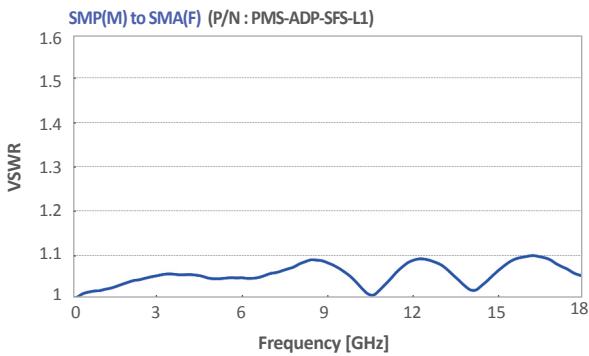


Unit : mm [Inch]

N (M) - SMA (M)	N (M) - SMA (F)
<ul style="list-style-type: none">• Part No. NMS-ADP-SMS-01• Freq. 18 GHz• VSWR Max. 1.2	<ul style="list-style-type: none">• Part No. NMS-ADP-SFS-01• Freq. 18 GHz• VSWR Max. 1.2
N (F) - SMA (M)	N (F) - SMA (F)
<ul style="list-style-type: none">• Part No. NFS-ADP-SMS-01• Freq. 18 GHz• VSWR Max. 1.2	<ul style="list-style-type: none">• Part No. NFS-ADP-SFS-01• Freq. 18 GHz• VSWR Max. 1.2

SMP to SMA

Electrical		
Frequency	DC to 18 GHz	
Insertion Loss	0.25 dB @ 18 GHz	
VSWR	1.22:1(@18GHz)	
Temperature	-4 0°C to + 125°C	
Material data		
Body	Stainless Steel / BeCu (Gold plated)	Passivated
Center Contact	Brass / BeCu	Gold Plated
Insulator	PTFE	



Unit : mm [Inch]

<p>SMP (F) to SMA (M)</p> <ul style="list-style-type: none">• Part No. PFS-ADP-SMS-01 (G04F06MSD001)• Freq. 18 GHz• VSWR Max. 1.2	<p>SMP(M) to SMA (M)</p> <ul style="list-style-type: none">• Part No. PMS-ADP-SMS-F1 / PMS-ADP-SMS-L1 / PMS-ADP-SMS-S1 (G04M06MSD001 / G04M06MSD002 / G04M06MSD003)• Freq. 18 GHz• VSWR Max. 1.2
<p>SMP(M) to SMA (F)</p> <ul style="list-style-type: none">• Part No. PMS-ADP-SFS-F1 / PMS-ADP-SFS-L1 / PMS-ADP-SFS-S1 (G04M06FSD001 / G04M06FSD002 / G04M06FSD003)• Freq. 18 GHz• VSWR Max. 1.2	<p>SMP (F) to SMA (F)</p> <ul style="list-style-type: none">• Part No. PFS-ADP-SFS-01 (G04F06FSD001)• Freq. 18GHz• VSWR Max. 1.2

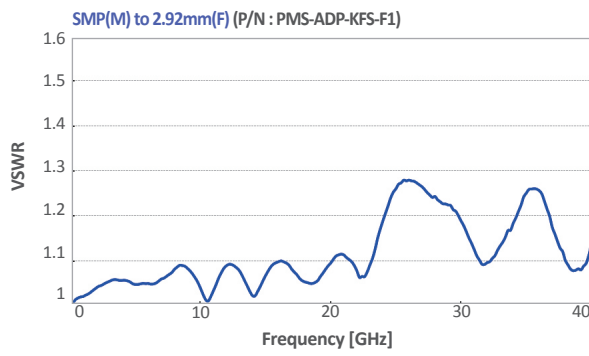
SMP to 2.92mm / SMP

Electrical

Frequency	DC to 40 GHz	
Insertion Loss IL[dB]	0.35 dB @ 40 GHz	
VSWR	1.45:1(@40GHz)	
Temperature	- 40°C to + 125°C	

Materials

Body	Stainless steel / BeCu(Gold plated)	Passivated
Center Contact	Brass / BeCu	Gold Plated
Insulator	PTFE	-

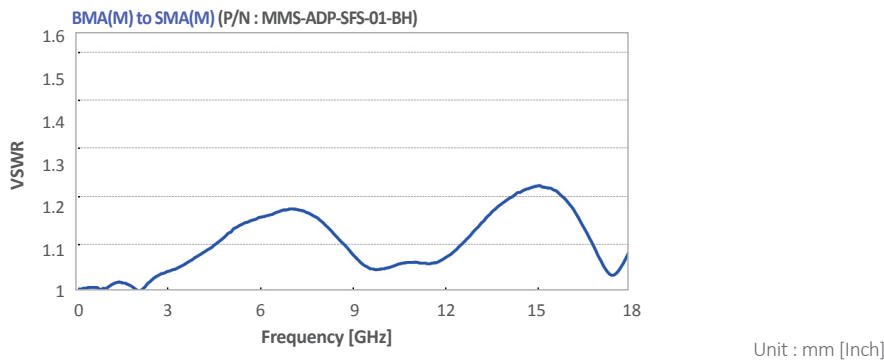


Unit : mm [Inch]

<p>SMP(M) to 2.92 mm (F)</p> <ul style="list-style-type: none">• Part No. PMS-ADP-KFS-F1 / PMS-ADP-KFS-L1 / PMS-ADP-KFS-S1 (G04M02FSD001 / G04M02FSD002 / G04M02FSD003)• Freq. 40 GHz• VSWR Max. 1.3	<p>SMP (F) to 2.92 mm (F)</p> <ul style="list-style-type: none">• Part No. PFS-ADP-KFS-01 (G04F02FSD001)• Freq. 40 GHz• VSWR Max. 1.3
<p>SMP (F) to 2.92mm (M)</p> <ul style="list-style-type: none">• Part No. PFS-ADP-KMS-01 (G04F02MSD001)• Freq. 40GHz• VSWR Max. 1.3	<p>SMP (M) to 2.92mm (M)</p> <ul style="list-style-type: none">• Part No. PMS-ADP-KMS-F1 / PMS-ADP-KMS-L1 / PMS-ADP-KMS-S1 (G04M02MSD001 / G04M02MSD002 / G04M02MSD003)• Freq. 40GHz• VSWR Max. 1.3
<p>SMP (F) to SMP(F) (Bullet)</p> <ul style="list-style-type: none">• Part No. PFS-ADP-PFS-01 (G04F04FSD001M)• Freq. 18GHz• VSWR 1.22:1(@6GHz)	

BMA to SMA

Electrical		
Frequency	DC to 18 GHz	
Insertion Loss	0.3 dB max. @ 18 GHz	
VSWR	1.22:1(@18GHz)	
Temperature	- 40°C to + 125°C	
Materials		
Body	Stainless steel / BeCu (Gold plated)	Passivated
Center Contact	Brass / BeCu	Gold Plated
Insulator	PTFE	-



BMA (M) - Bulkhead SMA (F)

- **Part No.** MMS-ADP-SFS-01-BH
- **Freq.** 18 GHz
- **VSWR** Max. 1.3

BMA (F) - Bulkhead SMA (F)

- **Part No.** MFS-ADP-SFS-01-BH
- **Freq.** 18 GHz
- **VSWR** Max. 1.3

BMA (M) - SMA (M)

- **Part No.** MMS-ADP-SMS-01
- **Freq.** 18 GHz
- **VSWR** Max. 1.3

BMA (F) - SMA (F)

- **Part No.** MFS-ADP-SFS-02
- **Freq.** 18 GHz
- **VSWR** Max. 1.3

BMA (F) - SMA (M)

- **Part No.** MFS-ADP-SMS-01
- **Freq.** 18 GHz
- **VSWR** Max. 1.3

SMA to SMA / MCX

Unit : mm [Inch]

SMA (M) – SMA (M)

- **Part No.** AMS-ADP-AMS-01, G06M06MSD003 (Ni Plated)
AMS-ADP-AMS-02, G06M06MSD005 (Alloy Plated)
AMS-ADP-AMS-03, G06M06MSD004 (Gold Plated)
- **Freq.** 6 GHz
- **VSWR** 1.25:1(@6GHz)

SMA (M) – SMA (F)

- **Part No.** AMS-ADP-AFS-03 (G06M06FSD004)
- **Freq.** 6 GHz
- **VSWR** 1.2:1(@12GHz)

SMA (F) – SMA (F)

- **Part No.** G06F06FSD018
- **Freq.** 6 GHz
- **VSWR** Max. 1.2

SMA (M) R/A – SMA (F)

- **Part No.** AMR-ADP-AFS-02 (G06M06FRD002)
- **Freq.** 6 GHz
- **VSWR** Max. 1.2

SMA (F) – SMA (F) (4 HOLE, 12.7 mm SQUARE)

- **Part No.** AFS-ADP-AFS-01-4H (G06F06FSD011)
- **Freq.** 6 GHz
- **VSWR** 1.2:1(@6GHz)

SMA (F) – SMA (F) Bulkhead

- **Part No.** AFS-ADP-AFS-03-BH (G06F06FSD012)
- **Freq.** 6 GHz
- **VSWR** Max. 1.2

SMA Push Type (M) – SMA (F)

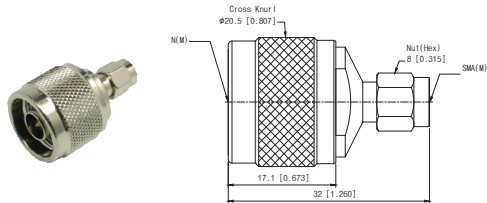
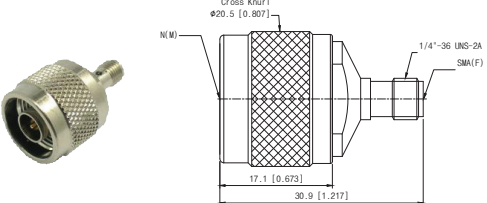
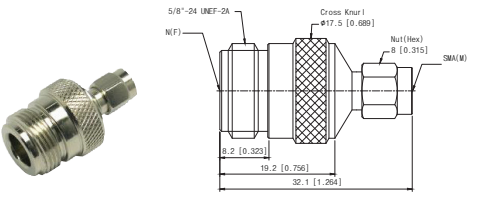
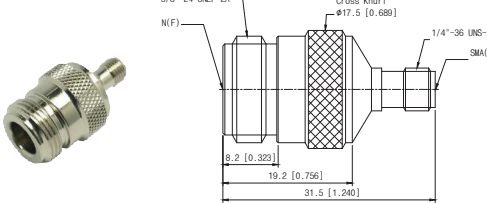
- **Part No.** PUS-ADP-AFS-01, G16M06FSD002 (Ni Plated)
PUS-ADP-AFS-02, G16M06FSD003 (Gold Plated)
- **Freq.** 6 GHz
- **VSWR** Max. 1.2

SMA (F) – MCX (M)

- **Part No.** AFS-ADP-DMS-01 (G06F09MSD001)
- **Freq.** 6 GHz
- **VSWR** Max. 1.2

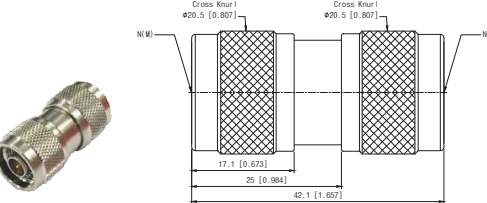
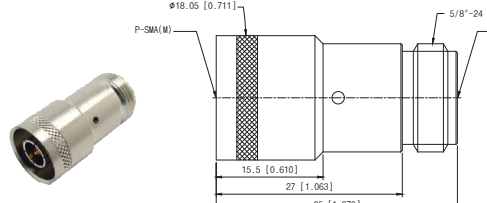
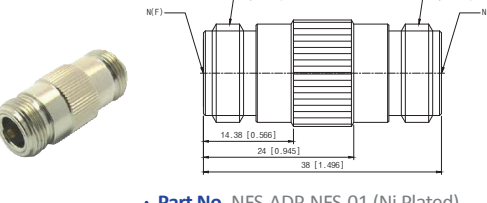
N to SMA

Unit : mm [Inch]

<p>N (M) – SMA (M)</p>  <p>• Part No. NMS-ADP-AMS-01 (Ni Plated) • Freq. 12 GHz • VSWR Max. 1.2</p>	<p>N (M) – SMA (F)</p>  <p>• Part No. NMS-ADP-AFS-01 (Ni Plated) • Freq. 12 GHz • VSWR Max. 1.2</p>
<p>N (F) – SMA (M)</p>  <p>• Part No. NFS-ADP-AMS-01 (Ni Plated) • Freq. 12 GHz • VSWR Max. 1.2</p>	<p>N (F) – SMA (F)</p>  <p>• Part No. NFS-ADP-AFS-01 (Ni Plated) • Freq. 12 GHz • VSWR Max. 1.2</p>

N to N

Unit : mm [Inch]

<p>N (M) – N (M)</p>  <p>• Part No. NMS-ADP-NMS-01 (Ni Plated) • Freq. 6 GHz • VSWR Max. 1.2</p>	<p>N (M) – N (F) Push Type</p>  <p>• Part No. PUS-ADP-NFS-01 • Freq. 6 GHz • VSWR Max. 1.2</p>
<p>N (F) – N (F)</p>  <p>• Part No. NFS-ADP-NFS-01 (Ni Plated) NFS-ADP-NFS-02 (Alloy Plated) • Freq. 6 GHz • VSWR Max. 1.2</p>	

RF Connectivity
Test Solutions

- Board to Board Connectors
- GigaLane Small Size
- GigaLane High Power
- GigaLane Direct Board Contact
- SMA Quick Lock Cable Assembly
- GigaLane Mobile Coaxial Micro-Plugs & Jacks
- GigaLane CMP Application Cable Assemblies
- GigaLane Mobile Coaxial Micro-Test Solution
- FRC(FPCB RF Cable)