

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

► JACK (Female)

Panel Mount (4 HOLE, 12.8 mm SQUARE)	Panel Mount (2 HOLE, 15.9 mm LONG)
<p>• Part No. PSF-S00-000 (G06SFA203)</p>	<p>• Part No. PSF-S02-000 (G06SFA206) PSF-S02-001 (G06SFA207)</p> <p>• DIM A 0.80 [0.03] 1.50 [0.06]</p>

Panel Mount Jack (4 HOLE, 12.8 mm SQUARE)	
<p>• Part No. PSF-S02-003 (G06SFA210) PSF-S02-004 (G06SFA211)</p> <p>• DIM A 0.80 [0.03] 1.50 [0.06]</p>	

Panel Mount Epoxy Captivated (EMI Shielding)					
	<p>• Part No. PSF-S03-002 PSF-S03-005</p>	<p>• DIM L 2.10 [0.080] 3.50 [0.140]</p>	<p>• DIM A 14.00 [0.550] 16.00 [0.630]</p>	<p>• DIM B 10.20 [0.400] 12.20 [0.480]</p>	<p>• DIM C 4.75 [0.190] 5.70 [0.220]</p>

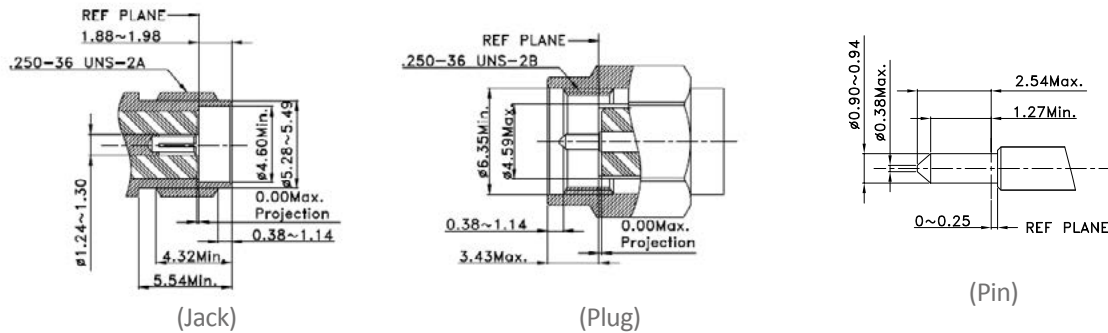
SMA Connectors

► 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)

Unit : mm [Inch]



► 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	-