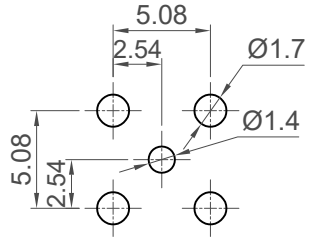


**Recommended Mounting Hole**  
Applicable Panel Thickness:  
Min. 0.7mm ~ Max. 4.5mm



**Recommended PCB Hole Layout**  
Tolerance: ±0.05

**Specifications**

**Material**

1. SMA Body: SUS316, Passivated
2. Insulator A&B&C: Teflon
3. Inner Washer: Brass, Nickel Plated
4. Gasket A: Silicone Rubber, Red
5. Gasket B: Silicone Rubber, Black
6. Center Pin A: Brass, Gold Plated
7. Center Pin B: Phosphor Bronze, Gold Plated
8. PCB Body: Brass, Gold Plated
9. O-Ring: See Ordering Grid
10. Washer: SUS316
11. Nut: SUS316, Passivated

**Electrical**

1. Impedance: 50 Ohm
2. Working Frequency Range: DC - 6GHz

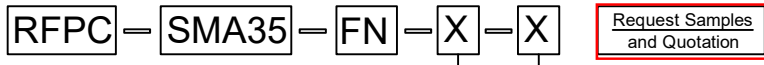
**Mechanical & Environmental**

1. Operating Temperature: - 65 °C to +165°C
2. Ingress Protection Rating: IP68/IP69K  
*IP6X - Dust tight - no particle ingress.*  
*IPX8 waterproof for 48 hours at 1 meter underwater.*  
*IPX9K water spray, 14-16L per minute, at 8,000-10,000 Kpa, at 100-150mm distance for 30 seconds.*

**Notes:**

1. If the connector is used in a corrosive environment, we recommend the connector face is protected with a stainless steel dust cap.
2. Please use the recommended torque forces for stainless steel connectors. this is published on gct.co resources page.

**Ordering Grid**



Washer and nut options:

**A = All Assembled with Connector (Standard)**  
Blank = Separately Packed

O-ring Material Options:

**E = EPDM, Colour: Black (Standard)**  
**S = Silicone Rubber, Colour: Red**

Part Number		Product Description	
RFPC-SMA35-FN		SMA Bulkhead Jack, SUS316 Body, With O-ring, IP68/69K, PCB Mount, Right Angle, 6GHz	
Drawing Date		19th May 2025	
By	CC	Tolerances (Except as Noted)	Units:
Detail	Drawing Release	Length	Metric (mm)
Revision	A	Angle	3rd Angle Projection
Date	19/05/25	± 0.20	



This drawing is confidential and copyright of Global Connector Technology, Ltd (GCT). This drawing must not be copied or disclosed without written consent. E & OE



Not to Scale	Drawn By CC	Sheet No. 1/1
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H  
G  
F  
E  
D  
C  
B  
A