

RFPC-SMA22-FN: Stainless Steel SMA Right Angle Bulkhead Jack With O-ring, PCB Connector, Rated to IP68/69K, 6GHz

## Material and Plating:

1. SMA Body: SUS303, Passivated $\Delta$   
Insulator A: Teflon  
Insulator B: Teflon  
Washer: Brass, Nickel Plated $\Delta$   
Gasket A: Silicone  
Gasket B: Silicone  
Pin: Phosphor Bronze, Gold Plated
2. PCB Body: Brass, Gold Plated  
Insulator C: Teflon
3. O-Ring: See P/N Options
4. Lock Washer: SUS303, Passivated $\Delta$
5. Nut: SUS303, Passivated $\Delta$

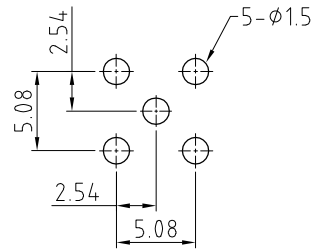
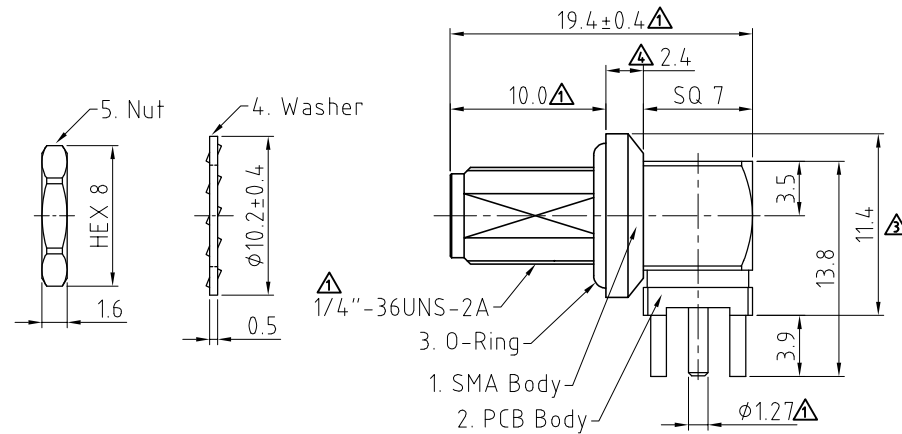
## Environmental:

## A. Tested to:

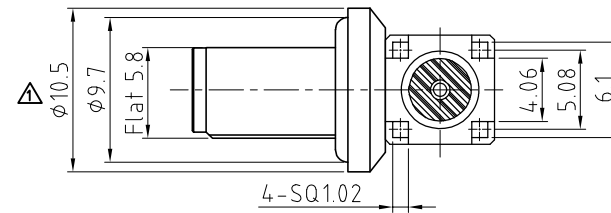
- i. IP6x - Dust tight - no particle ingress.
- ii. IPx8 Waterproof for 48 hour at 1 meter underwater.
- iii. IPx9K Water spray, 14-16L per minute, at 8,000 ~ 10,000 kPa, at 100-150mm distance for 30 seconds. underwater

## Notes:

1. Working Frequency Range: DC-6GHz.
2. Operating Temperature : -65°C to +165°C.
3. Please use the recommended torque forces for stainless connectors. This is published on Gradconn.com resources page.
4. Impedance: 50 Ohm.

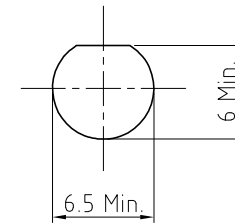


Recommended PCB Hole Layout

HOW TO ORDER  
RFPC - SMA22 - FN - X - X

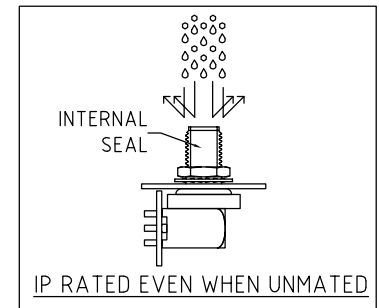
WASHER AND NUT OPTIONS:  
BLANK = SEPARATELY PACKED (STANDARD)  
A = ALL ASSEMBLED WITH CONNECTOR

O-RING MATERIAL OPTIONS:  
E = EPDM, COLOR: BLACK  
S = SILICONE, COLOR: RED



Recommended Mounting Hole

$\Delta$  (Recommended Maximum Panel Thickness: 2.0mm)



| REV. | DATE & DRN     | DESCRIPTION    |
|------|----------------|----------------|
| 11   | 10/03/23 - NYW | RELEASE        |
| 12   | 10/03/23 - NYW | ADD DIMENSIONS |
| 13   | 10/03/23 - NYW | ADD DIMENSIONS |
| 14   | 10/03/23 - NYW | ADD DIMENSIONS |
| 15   | 10/03/23 - NYW | ADD DIMENSIONS |
| 16   | 10/03/23 - NYW | ADD DIMENSIONS |
| 17   | 10/03/23 - NYW | ADD DIMENSIONS |
| 18   | 10/03/23 - NYW | ADD DIMENSIONS |
| 19   | 10/03/23 - NYW | ADD DIMENSIONS |
| 20   | 10/03/23 - NYW | ADD DIMENSIONS |
| 21   | 10/03/23 - NYW | ADD DIMENSIONS |
| 22   | 10/03/23 - NYW | ADD DIMENSIONS |
| 23   | 10/03/23 - NYW | ADD DIMENSIONS |

|                  |                         |                                         |                                               |
|------------------|-------------------------|-----------------------------------------|-----------------------------------------------|
| Scale: NTS       | THIRD ANGLE             | Unstated<br>.X<br>.XX<br>.XXX<br>ANGLES | Tolerances:<br>±0.20<br>±0.20<br>±0.20<br>±2° |
| Drawn: CC        |                         |                                         |                                               |
| App'd: XXX       | Title SMA PCB Connector |                                         |                                               |
| Date: 12 MAY '25 | Revision: 2.3           | Unit: mm                                |                                               |

IP Rated  
RF Products**GCT**

www.gct.co

**GRADCONN**

www.gradconn.com

Type: RFPC-SMA22-FN

RFPC-SMA22-FN

Drawing Number:

Sheet 1 of 1

Drawing © E and O E

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