RFPC-SMA24-FN	CUSTOMER PRODUCT SPECIFICATION SHEET	RoHS Compliant

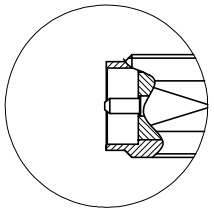
RFPC-SMA24-FN: Stainless Steel RP SMA Right Angle Bulkhead Jack With O-ring, PCB Connector, Rated to IP68/69K, 6GHz

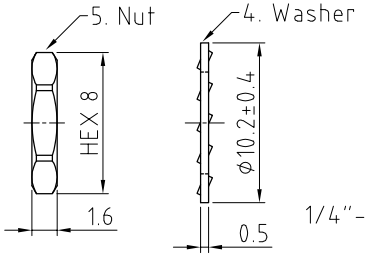
Material and Plating:

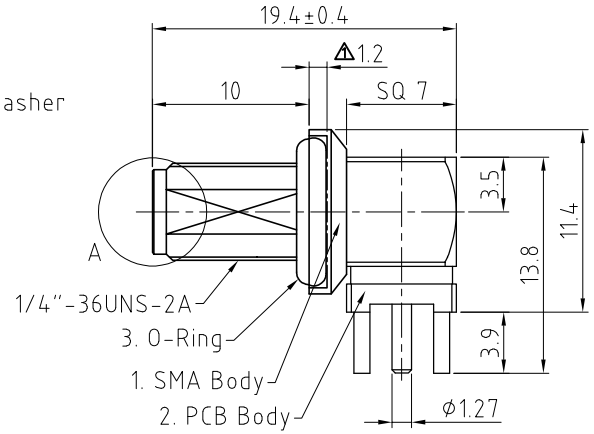
1. SMA Body: SUS303, Passivated
Insulator A: Teflon
Insulator B: Teflon
Insulator C: Teflon
Washer: Brass, Nickel Plated
Gasket A: Silicone
Gasket B: Silicone
Pin A: Brass, Gold Plated
Pin B: Brass, Gold Plated
2. PCB Body: Brass, Gold Plated
3. O-Ring: See P/N Options
4. Lock Washer: SUS303, Passivated.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

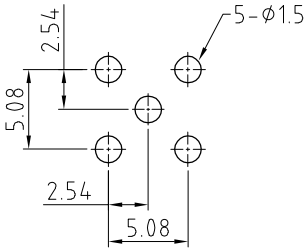
Environmental:
A.Tested to:
i. IP6x - Dust tight - no particle ingress.
ii. IPx8 Waterproof for 48 hour at 1 meter underwater.
iii. IPx9K Water spray, 14-16L per minute, at 8,000 ~ 10,000 kPa, at 100-150mm distance for 30 seconds. underwater

Notes:
1. Working Frequency Range: DC-6GHz.
2. Operating Temperaure : -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.

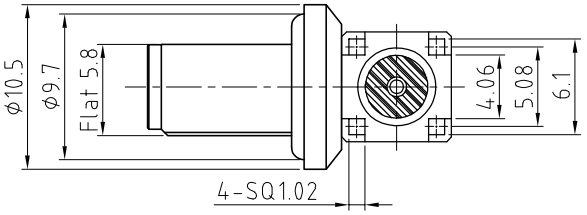


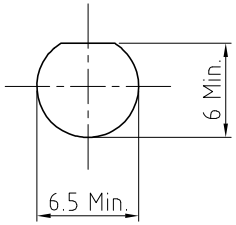






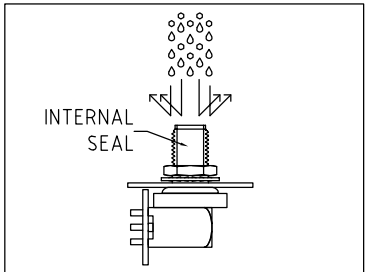
Recommended PCB Hole Layout





Recommended Mounting Hole

(Recommended Maximum Panel Thickness: 2.0mm)



IP RATED EVEN WHEN UNMATED

HOW TO ORDER

RFPC - SMA24 - FN - X - X

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

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

REV.	DATE & DRN	
1.0	24/02/23 - NYW	RELEASE
1.1	09/06/23 - NYW	ADD PIN B, UPDATE NOTE 1.
1.2	06/09/23 - NYW	⚠AMEND DIMENSION MARKING.
1.3	08/12/23 - NYW	ADD SUS MATERIAL.
1.4	25/01/24 - NYW	UPDATE IP RATING TO 68/69K.
1.5	31/03/24 - CC	MODIFY IP RATING VIEW
1.6	12/05/25 - NYW	ADD GCT LOGO.

Scale: NTS	THIRD ANGLE	Unstated Tolerances: .X ±0.20, .XX ±0.20, .XXX ±0.20, ANGLES ±2°	IP Rated RF Products
Drawn: CC			
App'd: XXX	Title SMA PCB Connector		
Date: 12 MAY '25	Revision: 1.6	Unit: mm	

GCT GradConn
www.gct.co www.gradconn.com

Type: RFPC-SMA24-FN
RFPC-SMA24-FN
Drawing Number:
Sheet 1 of 1
Drawing © E and O E

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