

RFPC-SMA14-FN: SMA Right Angle Bulkhead Jack With O-ring, PCB Connector, Rated to IP67/68, 6GHz

Material and Plating:

Insulator A: Teflon

Insulator B: Teflon

Insulator C: Teflon

Body A: Brass, Gold Plated

Body B: Brass, Gold Plated

Pin A: Be Cu, Gold Plated

Pin B: Brass, Gold Plated

Gasket: Silicon, Color: Red

O-Ring: Silicone, Color: Red

Cap: Brass, Gold Plated

Washer: Brass, Gold Plated

Nut: Brass, Gold Plated

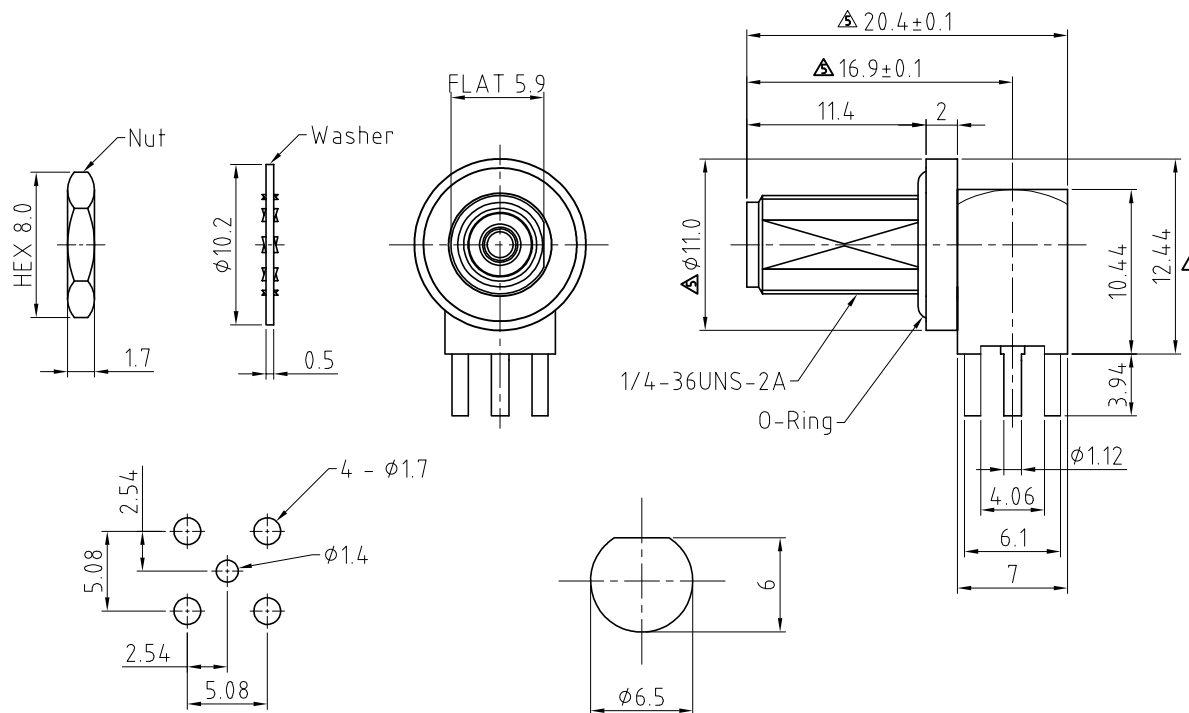
Environmental:

A. Tested to:

- IP6x - Dust tight - no particle ingress.
- IPx7 Waterproof for 30 minutes up to 1 meter underwater.
- IPx8 Waterproof for 48 hours at 1 meter underwater.

Notes:

- Packaging Type: 160pcs/Tray.
- Working Frequency Range: DC-6GHz.
- Operating Temperature: -65°C~+165°C.
- Impedance: 50 ohm.



Recommended PCB Hole Layout

Recommended Mounting Hole

Applicable Panel Thickness:

Min. 0.7mm ~ Max. 3.2mm

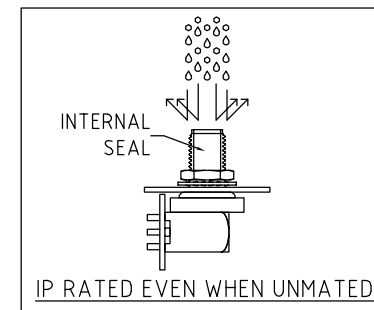
HOW TO ORDER

RFPC - SMA14 - FN - X

WASHER AND NUT OPTIONS:

BLANK = SEPARATELY PACKED (STANDARD)

A = ALL ASSEMBLED WITH CONNECTOR



REV. DATE & DRN	10 06/11/17 - NYW RELEASE
11 27/11/17 - NYW	ADD ENVIRONMENTAL INFO.
12 25/07/18 - NYW	RELEASE OFFICIAL DRAWING.
13 18/02/19 - NYW	ADD WASHER & NUT OPTIONS.
14 02/03/19 - NYW	ADD OPERATING TEMP.
15 25/11/19 - NYW	ADD UNSTATED TOLERANCE.
16 02/03/20 - NYW	ADD TOLERANCE TO DIMENSIONS.
17 14/02/23 - NYW	ADD DIMENSION.
18 07/09/23 - NYW	ADD IMPEDANCE.
19 20/03/24 - NYW	UPDATE FREQUENCY & TEMP.
20 31/03/24 - CC	ADD PANEL THICKNESS.
21 09/05/25 - NYW	ADD IP RATING VIEW.
	ADD GET LOGO.

Scale: NTS	THIRD ANGLE	Unstated Tolerances:
Drawn: NYW		.X ±0.20
App'd: XXX	Title SMA PCB Connector	.XX ±0.20
Date: 9 MAY '25	Revision: 2.1	.XXX ±0.20
	Unit: mm	ANGLES ±2°

IP Rated
RF Products

GCT

GradConn

www.gct.co

www.gradconn.com

Type: RFPC-SMA14-FN

RFPC-SMA14-FN

Drawing Number:

Sheet 1 of 1

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