CUSTOMER PRODUCT SPECIFICATION SHEET

RoHS Compliant

CAB574RF: I-PEX MHF I PLUG + S/S SMA STRAIGHT BULKHEAD JACK W/O-RING RATED TO IP68/69K + Ø1.13MM CABLE, 6GHz

eq: 100MM = 0100

(MIN. 0025-MAX.0400

STANDARD = 0100, 0150, 0200) Tolerance: 50mm: ±2mm.

51-200mm: ±5mm.

201-400mm: ±7mm.

SPECIFICATIONS:

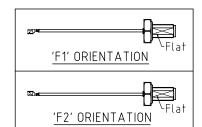
- 1. I-PEX MHF I PLUG, GOLD PLATED, P/N: 20278-112R-13.
- 2. Ø1.13MM COAXIAL CABLE, COLOR: GRAY.
- 3. SMA STRAIGHT BULKHEAD JACK W/O-RING, W/SUS303 STAINLESS STEEL BODY, RATED TO IP68/69K, P/N: RFCT-SMA123-F13 (WITH SILICONE O-RING), RFCT-SMA123-F13-1 (WITH EPDM O-RING).
- 4. WASHER: SUS304.
- 5. NUT: SUS303, PASSIVATED.

ENVIRONMENTAL:

- A. BULKHEAD MOUNTED CONNECTOR (RFCT-SMA123-F13-1) TESTED TO THE FOLLOWING SPECIFICATION:
 - i. IP6X DUST TIGHT NO PARTICLE INGRESS.
- ii. IPX8 WATERPROOF FOR 48 HOURS 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.

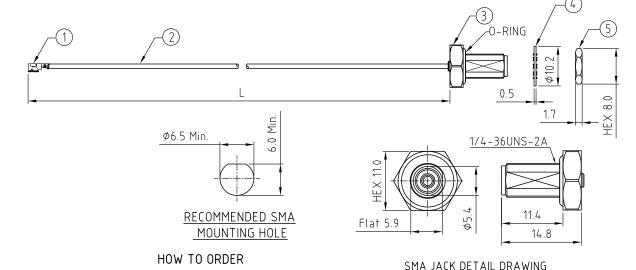
NOTES:

- 1. THE ORIENTATION OF CONNECTORS ON DRAWING IS FOR REFERENCE ONLY, IF THE ORDER IS LEFT BLANK THE CONNECTOR WILL NOT HAVE FIXED ORIENTATION.
 2. FIXED ORIENTATION IS SUGGESTED FOR CABLE LENGTH 50MM TO 100MM.
 PLEASE SPECIFY THE FIXED ORIENTATIONS FROM THE ORDER CODE (F1. F2. ETC)
- 3. CONTACT GCT IF THE ORIENTATION YOU REQUIRE IS NOT SHOWN.
- 4. WORKING FREQUENCY RANGE: DC-6GHz.
- 5. OPERATING TEMPERATURE: -40°C TO +85°C
- 6. IMPEDANCE: 50 OHM
- 7. IF THE CONNECTOR IS USED IN A CORROSIVE ENVIRONMENT, WE RECOMMEND THE CONNECTOR FACE IS PROTECTED WITH A STAINLESS STEEL DUST CAP.
- 8. PLEASE USE THE RECOMMENDED TORQUE FORCES FOR STAINLESS STEEL CONNECTORS. THIS IS PUBLISHED ON GCT.CO RESOURCES PAGE. "L" LENGTH IN MM:



USAGE PRECAUTIONS: CABLES USING 'MICRO' COAX ARE DELICATE:

- (i) HANDLE WITH CARE.
- (ii) DO NOT TWIST; APPLY EXCESSIVE FORCES OR SHARP BENDS TO THE CABLE. DO NOT FORCEFULLY DEFORM WIRES.
- (iii) CONSULT CONNECTOR MANUFACTURER'S DATASHEETS FOR DETAILED NOTES ON HANDLING INSTRUCTIONS.



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O-RING MATERIAL OPTIONS:

S = SILICONE, RED

 $1 = \phi 1.13MM$ CABLE, COLOR: GRAY.

WASHER AND NUT OPTIONS:

BLANK = SEPARATELY PACKED (STANDARD)

CABLE SIZE:

A = ALL ASSEMBLED WITH CONNECTOR

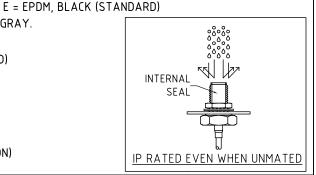
ORIENTATION OPTIONS:

BLANK = DOES NOT HAVE A FIXED ORIENTATION

F1 = MHF CONNECTION DOWN (L= 50-200MM)

F2 = MHF CONNECTION UP (L=50-200MM)

(SEE NOTES 1, 2, 3 AND DIAGRAMS FOR MORE INFORMATION)



	REV. DATE & DRN	1.0 27/06/"23 - NYW RELEASE	1.1 26/10/23 - NYW ADD WASHER & NUT MATERIAL.	1.2 29/11/23 - NYW UPDATE IP RATING TO IP69K.	1.3 03/02/"24 - CC ADD IP RATING VIEW	1.4 01/03/'24 - NYW ADD SILICONE O-RING OPTION.	1.5 22/02/"25 - CC Add GCT logo.
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Scale: NTS THIRD ANGLE XX N/A XX N/A XXX N/A ANGLES N/A ANGLES N/A

App'd: XXX Title CABLE ASSEMBLY

Date: 22 Feb. '25 Revision: 1.5 Unit: mm

IP Rated RF Products



Drawing Number:

CAB574RF

www.gct.co www.gradconn.com

Sheet 1 of 1

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