# CUSTOMER PRODUCT SPECIFICATION SHEET



## SPECIFICATIONS

- 1. I-PEX MHF 5L PLUG. P/N:20668-001R-13.
- 2. 1.13MM COAXIAL CABLE, COLOR: GRAY
- 3. RP FRONT MOUNT SMA STRAIGHT BULKHEAD JACK WITH 0-RING RATED TO IP67/68, P/N: RFCT-SMA013-F78.

#### ENVIRONMENTAL:

- A. BULKHEAD MOUNTED CONNECTOR (RFCT-SMA013-F78) RATED TO THE FOLLOWING SPECIFICATION:
  - i. IP6X DUST TIGHT NO PARTICLE INGRESS.
- ii. IPX7 WATERPROOF FOR 30 MINUTES UP TO 1 METER UNDERWATER.
- iii. IPX8 WATERPROOF FOR 48 HOURS AT 1 METER UNDERWATER.

### NOTES:

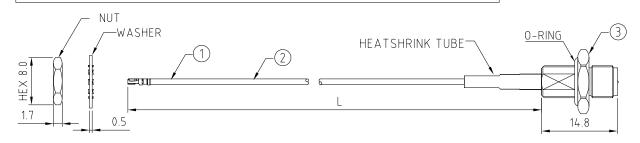
- THE ORIENTATION OF CONNECTORS ON DRAWING IS FOR REFERENCE ONLY, IF THE ORDER IS LEFT BLANK THE CONNECTOR WILL NOT HAVE FIXED ORIENTATION.
- 2. FIXED ORIENTATION IS SUGGESTED FOR CABLE LENGTH 50MM TO 100MM. PLEASE SPECIFY THE FIXED ORIENTATIONS FROM THE ORDER CODE (F1, F2, ETC)
- 3. CONTACT GRADCONN IF THE ORIENTATION YOU REQUIRE IS NOT SHOWN.
- 4. WORKING FREQUENCY RANGE: DC-3GHz.
- 5. OPERATING TEMPERATURE: -40°C~+85°C.
- 6. IMPEDANCE: 50 Ohm.
- 7. IT IS INTENDED THAT MOUNTING OF THIS CONNECTOR IS ACHIEVED USING THE NUT AND WASHER PROVIDED. PLEASE CONTACT GRADCONN FOR ADVISE IF PLANNING TO USE A DIFFERENT METHOD OF MOUNTING.

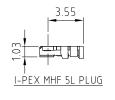
### USAGE PRECAUTIONS: CABLES USING 'MICRO' COAX ARE DELICATE:

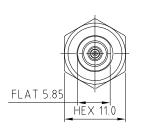
(i) HANDLE WITH CARE.

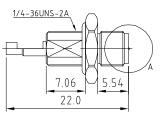
CAB428RF: I-PEX MHF 5L PLUG + RP FRONT MOUNT SMA STRAIGHT BULKHEAD JACK WITH 0-RING RATED TO IP67/68 + 1.13MM CABLE, 3GHz

- (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.









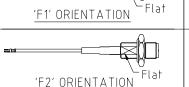


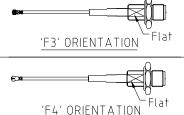
HOW TO ORDER

CAB428RF - X X X X - X X - X - 1

SMA DETAIL DRAWING







"L" LENGTH IN MM:
eg: 100MM = 0100
(MIN. 0050-MAX.0400
STANDARD = 0100, 0150, 0200)
TOLERANCE: 50-200mm: ±5mm.
201-400mm: ±7mm

CABLE SIZE:

1 = Ø1.13MM CABLE, COLOR: GRAY

WASHER AND NUT OPTIONS:

BLANK = SEPARATELY PACKED (STANDARD)

A = ASSEMBLED WITH CONNECTOR

ORIENTATIÓN OPTIONS:

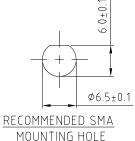
201-400mm:  $\pm 7$ mm. BLANK = DOES NOT HAVE A FIXED ORIENTATION

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

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

F3 = MHF CONNECTION AND D FLAT SAME ORIENTATION (L=50-200MM)
F4 = MHF CONNECTION AND D FLAT OPPOSITE ORIENTATION (L=50-200MM)

(SFF NOTES 1 2 3 AND DIAGRAMS FOR MORE INFORMATION)



ш		
	RELEASE	
	& DRN 20 - NYW	
	V. DATE & 15/09/'20	

Scale:	NTS	THIRD ANGLE		Unstated .X .XX	Tolerances: N/A N/A	-
Drawn:	NYW			.XXX ANGLES	N/A N/A	
App'd:	XXX	Title CABLE ASSEMBLY				
Date: 15 SEP. '20		Revision: 1.0		Unit: mm		





Drawing Number:

CAB428RF

of 1

E and 0 E

 IP67/68 Rated Cables
 www.gradconn.com
 Sheet 1

 (C) THIS DRAWING IS CONFIDENTIAL AND MUST NOT BE COPIED OR DISCLOSED WITHOUT WRITTEN CONSENT
 Drawing (C)