

COAXIAL CABLE ASSEMBLY

CUSTOMER PRODUCT SPECIFICATION SHEET

RoHS
Compliant

CAB420RF: I-PEX MHF 4L LK PLUG + FRONT MOUNT SMA STRAIGHT BULKHEAD JACK WITH O-RING RATED TO IP67/68 + 1.37MM CABLE, 3GHz

SPECIFICATIONS :

1. I-PEX MHF 4L LK PLUG, P/N:20632-001R-37.
LOCK: 3615-000
2. 1.37MM COAXIAL CABLE, COLOR: BLACK
3. FRONT MOUNT SMA STRAIGHT BULKHEAD JACK WITH O-RING RATED TO IP67/68, P/N: RFCT-SMA003-F78.

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

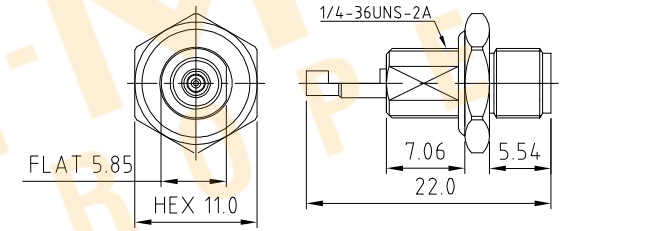
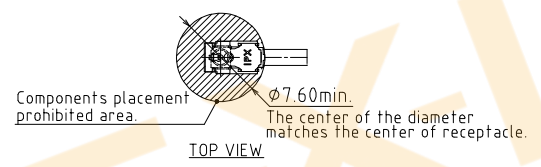
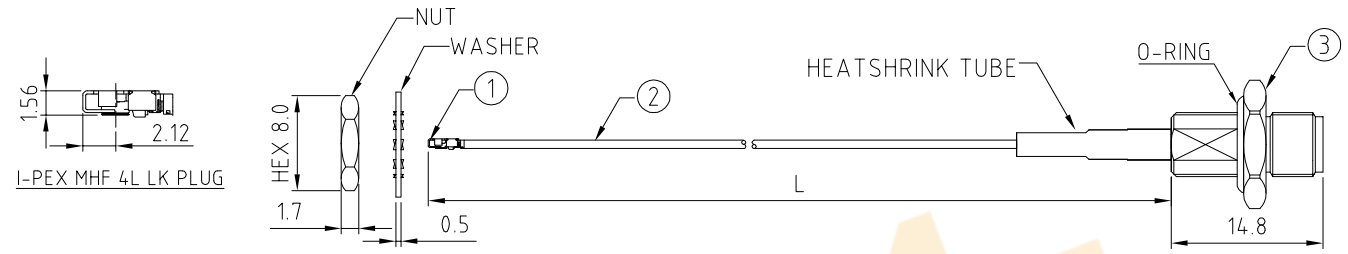
- (i) HANDLE WITH CARE.
- (ii) DO NOT TWIST; APPLY EXCESSIVE FORCES OR SHARP BENDS TO THE CABLE. DO NOT FORCEFULLY DEFORM WIRES.
- (iii) CONSULT CONNECTOR MANUFACTURER'S DATASHEETS FOR DETAILED NOTES ON HANDLING INSTRUCTIONS.

ENVIRONMENTAL:

- A. BULKHEAD MOUNTED CONNECTOR (RFCT-SMA003-F78) TESTED 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.
 - iv. IPX8 WATERPROOF FOR 12 HOURS AT 5 METERS UNDERWATER.
 - v. PRESSURE TEST - 1 BAR FOR 10 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 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.



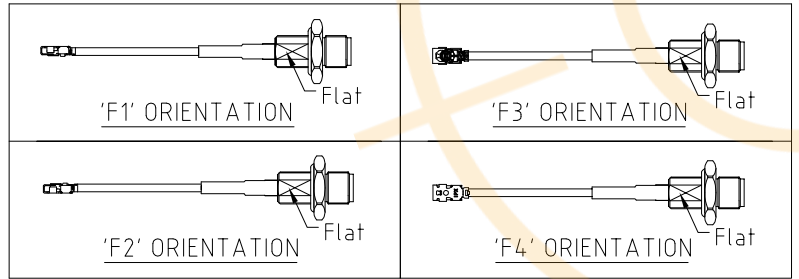
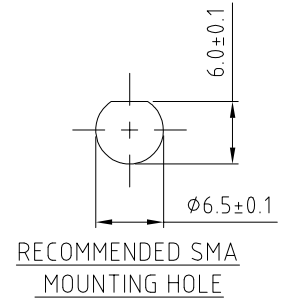
HOW TO ORDER

CAB420RF - X X X X - X X - X - 1

"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 = Ø1.37MM CABLE, COLOR: BLACK
WASHER AND NUT OPTIONS:
BLANK = SEPARATELY PACKED (STANDARD)
A = 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)
F3 = MHF CONNECTION AND D FLAT SAME ORIENTATION (L=50-200MM)
F4 = MHF CONNECTION AND D FLAT OPPOSITE ORIENTATION (L=50-200MM)
(SEE NOTES 1, 2, 3 AND DIAGRAMS FOR MORE INFORMATION)



REV. DATE & DRN
TO 09/09/20 - NYM RELEASE
11 29/04/21 - NYM
AMEND MHF 4L LK DRAWING.



Scale: NTS	THIRD ANGLE	Unstated: X, XX, XXX ANGLES	Tolerances: N/A, N/A, N/A, N/A
Drawn: NYW			
App'd: XXX	Title: CABLE ASSEMBLY		
Date: 29 APR. '21	Revision: 1.1	Unit: mm	

IP67/68 Rated Cables

www.gradconn.com

Drawing Number:
CAB420RF

Sheet 1 of 1

Drawing © E and O E

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