

## CABLE 162 RF: I-PEX MHF + FRONT MOUNT SMA S/T BULKHEAD JACK WITH O-RING RATED TO IP67/68 + MULTIPLE CABLE SIZES

## SPECIFICATIONS :

1. I-PEX MHF PLUG, P/N: FOR RG178 CABLE: 20278-112R-18. FOR  $\phi$ 1.13MM CABLE: 20278-112R-13, FOR  $\phi$ 1.37 CABLE: 20351-112R-37.
2. COAXIAL CABLE, SEE P/N OPTIONS.
3. FRONT MOUNT SMA STRAIGHT BULKHEAD JACK WITH O-RING RATED TO IP67/68, P/N: RFCT-SMA003-F78.

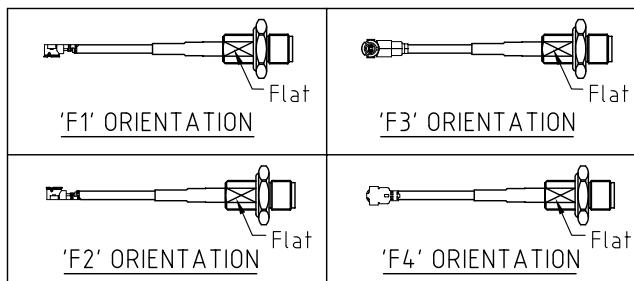
## ENVIRONMENTAL:

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.

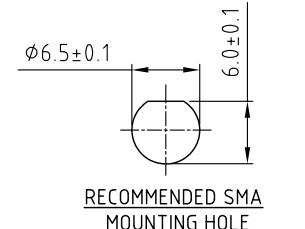
## NOTES:

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 25MM 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-3GHz.
5. OPERATING TEMPERATURE: -40°C~+90°C.
6. IMPEDANCE: 50 OHM.
7. IT IS INTENDED THAT MOUNTING OF THIS CONNECTOR IS ACHIEVED USING THE NUT AND WASHER PROVIDED. PLEASE CONTACT GCT FOR ADVISE IF PLANNING TO USE A DIFFERENT METHOD OF MOUNTING.

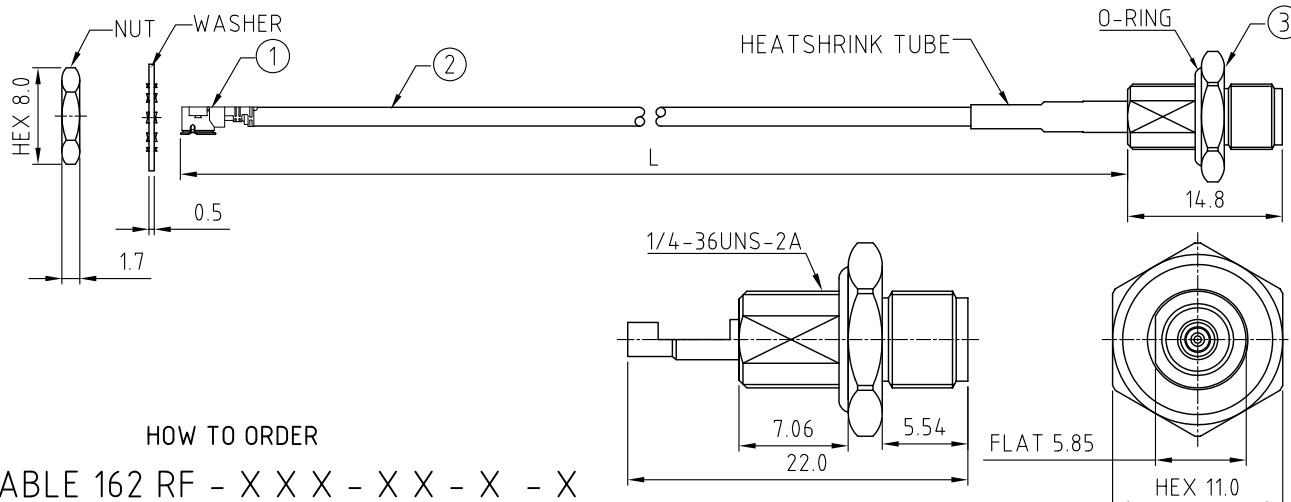


## USAGE PRECAUTIONS: CABLES USING 'MICRO' COAX ARE DELICATE:

- (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.



RECOMMENDED SMA MOUNTING HOLE



SMA DETAIL DRAWING

## HOW TO ORDER

CABLE 162 RF - X X X - X X - X - X

## "L" LENGTH IN MM:

eg: 100MM = 100

(MIN. 025-MAX.400)

STANDARD = 100, 150, 200

Tolerance: 50-200mm: ±5mm.

201-400mm: ±7mm.

## CABLE SIZE OPTIONS:

1 = RG178 CABLE, COLOR: BROWN

2 =  $\phi$ 1.13MM CABLE, COLOR: GRAY3 =  $\phi$ 1.37MM CABLE, COLOR: BLACK4 =  $\phi$ 1.13MM LOW LOSS CABLE, COLOR: GRAY.5 =  $\phi$ 1.13MM CABLE, COLOR: BLACK

## WASHER AND NUT OPTIONS:

BLANK = SEPARATELY PACKED (STANDARD)

A = ALL ASSEMBLED WITH CONNECTOR

## ORIENTATION OPTIONS:

BLANK = DOES NOT HAVE A FIXED ORIENTATION

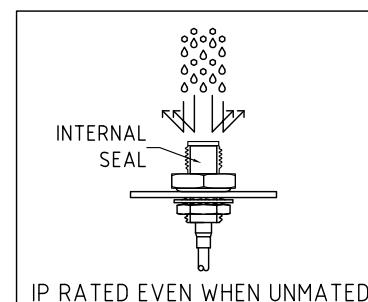
F1 = MHF CONNECTION DOWN (L=25-200MM)

F2 = MHF CONNECTION UP (L=25-200MM)

F3 = MHF CONNECTION AND D FLAT SAME ORIENTATION (L=25-200MM)

F4 = MHF CONNECTION AND D FLAT OPPOSITE ORIENTATION (L=25-200MM)

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



IP RATED EVEN WHEN UNMATED

Scale: NTS

THIRD ANGLE

Unstated  
ANGLESTolerances:  
N/A  
N/A  
N/A  
N/A

Drawn: KY



ANGLES

N/A

App'd: XXX

Title CABLE ASSEMBLY

Date: 16 FEB. '25

Revision: 2.1

Unit: mm

IP Rated  
RF Products

GCT

GradConn

www.gct.co

www.gradconn.com

Type: Cable 162 RF

CABLE 162 RF

Drawing Number:

Sheet 1 of 1

Drawing (C) E and O E

REV. DATE & DRN	10 26/11/13 NYW RELEASE
ADD CABLE SIZE	OPTION 2
ADD SMA PART NUMBER	
13 2010/15 NYW	
11 21/05/14 NYW	
14 20/06/16 NYW	
12 23/07/15 NYW	
15 16/05/17 NYW	
16 16/05/17 NYW	
17 24/05/19 NYW	
18 27/08/20 NYW	
19 15/04/21 NYW	
20 25/02/24 NYW	
ADD IF RATING	
2.1/6/25 KY	
Add GCT logo	

# Mouser Electronics

Authorized Distributor

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[CABLE 162 RF-150-F1-1](#) [CABLE 162 RF-050-A-1](#) [CABLE 162 RF-150-1](#) [CABLE 162 RF-100-F1-1](#) [CABLE 162 RF-100-A-1](#) [CABLE 162 RF-100-1](#) [CABLE 162 RF-150-A-1](#) [CABLE 162 RF-050-1](#) [CABLE 162 RF-050-F1-1](#)