

CABLE 161 RF: I-PEX MHF + SMA STRAIGHT 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 ϕ 1.37MM CABLE: 20351-112R-37. FOR ϕ 1.13MM LOW LOSS CABLE: 20278-112R-13
2. COAXIAL CABLE, SEE P/N OPTIONS.
3. SMA STRAIGHT BULKHEAD JACK WITH O-RING RATED TO IP67/68, P/N: RFCT-SMA002-F78.

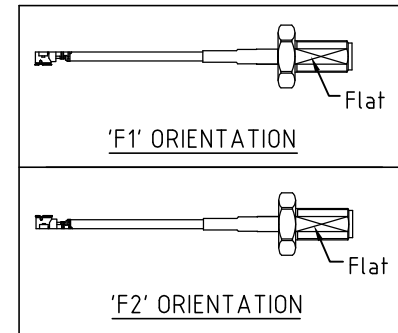
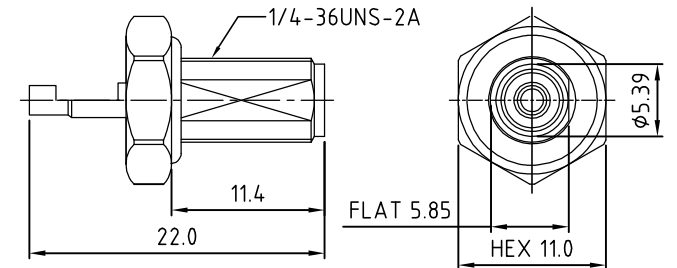
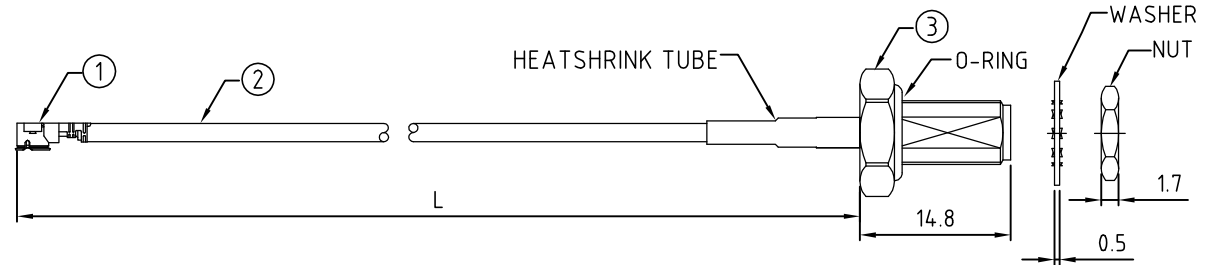
USAGE PRECAUTIONS: CABLES USING 'MICRO' COAX ARE DELICATE:
 (i) HANDLE WITH CARE.
 (ii) DO NOT TWIST; APPLY EXCESSIVE FORCES OR SHARP BENDS TO THE CABLE. DO NOT FORCEFULLY DEFORM WIRES.
 (iii) CONSULT CONNECTOR MANUFACTURER'S DATASHEETS FOR DETAILED NOTES ON HANDLING INSTRUCTIONS.

ENVIRONMENTAL:

- A. BULKHEAD MOUNTED CONNECTOR (RFCT-SMA002-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 GRADCONN IF THE ORIENTATION YOU REQUIRE IS NOT SHOWN.
4. WORKING FREQUENCY RANGE: DC-3GHz.



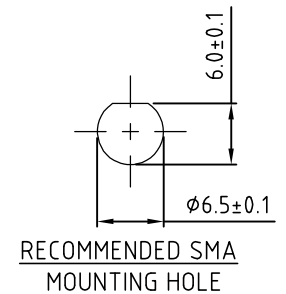
HOW TO ORDER
 CABLE 161 RF - X X X - X X - X - X

"L" LENGTH IN MM:
 eg: 100MM = 100
 (MIN. 025-MAX.400)
 STANDARD = 100, 150, 200
 Tolerance: 50-200mm: \pm 5mm.
 201-400mm: \pm 7mm.

CABLE SIZE OPTIONS:
 1 = RG178 CABLE, COLOR: BROWN
 2 = ϕ 1.37MM CABLE, COLOR: BLACK
 3 = ϕ 1.13MM LOW LOSS CABLE, COLOR: GREY

WASHER AND NUT OPTIONS:
 BLANK = SEPARATELY PACKED (STANDARD)
 A = ASSEMBLED WITH CONNECTOR
 B = ASSEMBLED WITH CONNECTOR + PROTECTIVE CAP (CAP001)

ORIENTATION OPTIONS:
 BLANK = DOES NOT HAVE A FIXED ORIENTATION
 F1 = MHF CONNECTION DOWN (L=25-100MM)
 F2 = MHF CONNECTION UP (L=25-100MM)
 (SEE NOTES 1, 2, 3 AND DIAGRAMS FOR MORE INFORMATION)



REV. DATE & DRN	13 26/11/13 - NYW RELEASE
11 28/10/14 - NYW	AMEND SMA P/N
12 23/07/15 - NYW	ADD #137 CABLE OPTION
13 30/07/15 - R.JH	UPDATE SMA PART NUMBER
14 08/07/16 - R.JH	ADD IP67/68 RATING INFO.
15 19/08/16 - R.JH	ADD CABLE OPTION NO. 3
	ADD ASSEMBLY OPTION B.



Scale: NTS	THIRD ANGLE	Unstated Tolerances:
Drawn: RJH		.X \pm 0.2
App'd: XXX	Title CABLE ASSEMBLY	.XX \pm 0.1
Date: 19 AUG '16	Revision: 1.5	.XXX \pm 0.05
	Unit: mm	ANGLES \pm 5

NAUTILUS
 IP67/68 Rated Cables

GRADCONN
 www.gradconn.com

Type: Cable 161 RF
CABLE 161 RF
Drawing Number:
Sheet 1 of 1
Drawing © E and O E

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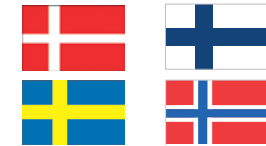
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