RoHS Compliant

CABLE 161 RE: I-PEX MHE + SMA STRAIGHT BUI KHEAD JACK WITH O-RING RATED TO IP67/68 + MUI TIPLE CABLE SIZES

SPECIFICATIONS

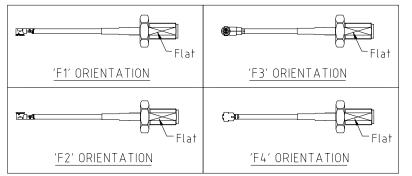
- 1. I-PEX MHF PLUG. P/N: FOR RG178 CABLE: 20278-112R-18.
- FOR Ø1.37MM CABLE: 20351-112R-37.
- FOR Ø1.13MM CABLE: 20278-112R-13
- FOR Ø1.32DS & 1.32MM CABLE: 20278-112R-32.
- FOR Ø0.81MM (ABI F: 20278-112R-08
- 2. COAXIAL CABLE, SEE P/N OPTIONS.
- 3 SMA STRAIGHT BUI KHEAD JACK WITH O-RING RATED TO IP67/68 P/N: RFCT-SMA002-F78.

FNVIRONMENTAL:

- 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

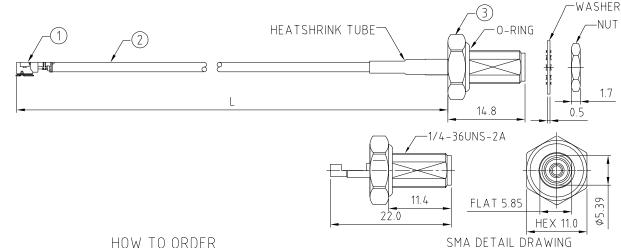
NOTES:

- 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.
- 5. OPERATING TEMPERATURE: -40°C~+85°C.
- 6 IMPEDANCE: 50 Ohm



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



CABLE 161 RF - X X X - X X - X - X - X X

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

ORIENTATION OPTIONS:

BLANK = DOES NOT HAVE A FIXED ORIENTATION F1 = MHF CONNECTION DOWN (L=25-200MM)

E2 = MHE CONNECTION UP (L=25-200MM)

F3 = MHF CONNECTION AND D FLAT SAME ORIENTATION (L=25-200MM) F4 = MHE CONNECTION AND D FLAT OPPOSITE ORIENTATION (L=25-200MM)

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

HEATSHRINK TUBE OPTIONS: BLANK = WITH H/S TUBE (STANDARD)

NT = WITHOUT H/S TUBE

CABLE SIZE OPTIONS:

1 = RG178 CABLE, COLOR: BROWN

2 = Ø1.37MM CABLE, COLOR: BLACK

 $3 = \phi 1.13MM LOW LOSS CABLE, COLOR: GREY$

 $4 = \phi 1.13MM$ CABLE, COLOR: GREY

5 = Ø1.32DS CABLE COLOR: GREY

6 = Φ1.13MM CABLE, COLOR: BLACK

 $7 = \phi 1.32$ MM CABLE, COLOR: GREY

8 = Ø0.81MM CABLE, COLOR: GREY

-O-RING, WASHER AND NUT OPTIONS: BLANK = O-RING ASSEMBLED, WASHER AND NUT SEPARATELY PACKED (STANDARD) A = ALL ASSEMBLED WITH CONNECTOR

D = ALL PACKED SEPARATELY

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Ø6.5±0.1 RECOMMENDED SMA MOUNTING HOLE

Scale:	NTS	THIRD ANGLE	Unstated Tolerances: .X N/A .XX N/A	_
Drawn:	RJH		- XXX N/A ANGLES N/A	
App'd:	XXX	Title CABLE ASSEMBLY		
Date: 29	APR. '22	Revision: 2.7	Unit: mm	_





Type: Cable 161 RF CABLE 161 RF Drawing Number

Sheet 1 of 1 Drawing (C) E and 0 E