CUSTOMER PRODUCT SPECIFICATION SHEET

RoHS Compliant

WASHER

CABLE 138 RF: IPEX MHF PLUG + RP SMA STRAIGHT BULKHEAD JACK WITH O-RING RATED TO IP67/68 + MUTIPLE CABLES SIZES

SPECIFICATIONS:

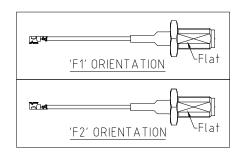
- 1. IPEX MHF PLUG FOR Ø1.13MM CABLE: 20278-112R-13, FOR Ø1.37MM CABLE: 20351-112R-37, FOR RG178 CABLE: 20278-112R-18, FOR Ø1.32MM DS CABLE: 20278-112R-32.
- 2. COAXIAL CABLE, SEE P/N OPTIONS.
- 3. RP SMA ST BULKHEAD JACK WITH O-RING RATED TO IP67/68, PN: RFCT-SMA008-F78, GOLD.

ENVIRONMENTAL:

- A. BULKHEAD MOUNTED CONNECTOR (RFCT-SMA008-F78) TESTED TO THE FOLLOWING SPECIFICATION:
 - i. IP6X DUST TIGHT NO PARTICLE INGRESS.
- ii. IPX7 WATERPROOF FOR 30 MINUTES UP TO 1M UNDERWATER.
- iii. IPX8 WATERPROOF FOR 48 HOURS AT 1M UNDERWATER.
- iv. IPX8 WATERPROOF FOR 12 HOURS AT 5M UNDERWATER.
- v. PRESSURE TEST 1 BAR FOR 10 SECONDS.

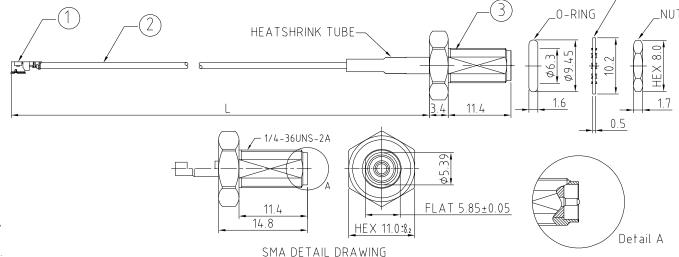
NOTES:

- 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 GRAD CONN 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.



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 SIZE OPTIONS:

 $0 = \phi 1.13MM CABLE, COLOR: GRAY.$

 $1 = \phi 1.13MM LOW LOSS CABLE, COLOR: GRAY.$

 $2 = \phi 1.37MM$ CABLE, COLOR: BLACK.

3 = RG178 CABLE, COLOR: BROWN.

 $4 = \phi 1.32MM$ DS CABLE, COLOR: GRAY.

WASHER AND NUT OPTIONS:

BLANK = SEPARATELY PACKED (STANDARD)

A = ASSEMBLED WITH CONNECTOR

ORIENTATION OPTIONS:

HOW TO ORDER

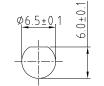
CABLE 138 RF - X X X - X X - X - X

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)



RECOMMENDED SMA MOUNTING HOLE

OP TION.	NO	TION.	ION 4.		Scale:	NTS	THIRD ANGLE	Unstated .X .XX	Tolerances N/A N/A
16/06/*16 - NYW ADD 1.13 LL CABLE 30/09/*16 - RJH ADD 1.37 CABLE OP	LE OPTI	ABLE OP NYW ING TEMI	NYW IZE OPT		Drawn	: RJH	\Rightarrow	- XXX ANGLES	N/A N/A
	1.37 CAB 15/"17 -	RG178 C 05/*19 - 0PERAT	2.0 05/11/21 - ADD CABLE S ADD NOTE 6.		App'd:	XXX	Title CABLE ASSEMBLY		
	ADD 1.8 19/0	1.8 19/0 ADD 1.9 27/7			Date:	5 NOV. '21	Revision: 2.0	Unit: m	m

"L" LENGTH IN MM:

(MIN. 025-MAX.400

STANDARD = 100, 150, 200)

Tolerance: <50mm: ±2mm.

51-200mm: +5mm.

201-400mm: ±7mm.

eq: 100MM = 100





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Type: Cable 138 RF

CABLE 138 RF

Drawing Number:	
Sheet 1	of

Drawing (C)

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