CUSTOMER PRODUCT SPECIFICATION SHEET

RoHS Compliant

CABLE 385 RF: I-PEX MHF 4L PLUG TO SMA STRAIGHT BULKHEAD JACK WITH O-RING RATED IP67/68 TO MULTIPLE CABLE SIZES, 6GHz

SPECIFICATIONS:

- 1. I-PEX MHF 4L PLUG, P/N: FOR Ø1.13MM CABLE: 20565-001R-13.
 - FOR Ø1.37MM (LL) CABLES: 20632-001R-37.
- 2. COAXIAL CABLE, SEE P/N OPTIONS FOR DETAIL.
- SMA STRAIGHT BULKHEAD JACK WITH 0-RING RATED TO IP67/68, P/N: RFCT-SMA069-F78.

ENVIRONMENTAL:

- A. BULKHEAD MOUNTED CONNECTOR (RFCT-SMA069-F78) RATED 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.

NOTES:

- 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 GCT IF THE ORIENTATION YOU REQUIRE IS NOT SHOWN.
- 4. WORKING FREQUENCY RANGE: DC-6GHz.
- 5. OPERATING TEMPERATURE: -40°C~+85°C.
- 6. IMPEDANCE: 50 Ohm.

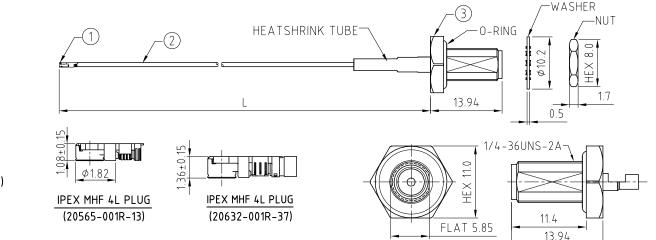
'F1' ORIENTATION Flat 'F3' ORIENTATION Flat 'F2' ORIENTATION Flat

<u>USAGE PRECAUTIONS: CABLES USING 'MICRO' COAX ARE DELICATE:</u>

- (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



HOW TO ORDER

CABLE 385 RF - X X X - X X - <u>X</u> - <u>X</u> - <u>X</u>- <u>X</u>

HEAT SHRINK TUBE COLOR: BLANK = BLACK (STANDARD) Y = YELLOW

SMA DETAIL DRAWING

CABLE SIZE OPTIONS:

A = ASSEMBLED WITH CONNECTOR

2 = Ø1.13MM CABLE, COLOR: BLACK

 $3 = \phi 1.37MM LOW LOSS CABLE, COLOR: BLACK$

(C) THIS DRAWING IS CONFIDENTIAL AND MUST NOT BE COPIED OR DISCLOSED WITHOUT WRITTEN CONSENT

4 = Φ1.37MM CABLE, COLOR: BLACK

WASHER AND NUT OPTIONS:

BLANK = SEPARATELY PACKED (STANDARD)

ORIENTATION OPTIONS: BLANK = DOES NOT HAVE A FIXED ORIENTATION

201-400mm: +7mm

F1 = MHF CONNECTION DOWN (L=50-200MM)

F2 = MHF CONNECTION UP (L=50-200MM)

"L" LENGTH IN MM:

(MIN. 050-MAX.400

STANDARD = 100, 150, 200)

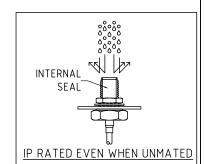
Tolerance: 50-200mm: ±5mm.

eq: 100MM = 100

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	1.0 10/03/"20 - NYW RELEASE	1 08/04/'20 – NYW REMOVE 0.81 CABLE OPTION. ADD 1.13 CABLE OPTION.	2 20/04/"20 - CC Add Heat shrink tube Color options.	3 28/04/'20 - NY ADD NOTE 7.	4 24/07/"20 – NYW REMOVE NOTE 7. AMEND OPERATING TEMP	5 30/08/'22 - NYW ADD CABLE SIZE OPTION 3.	6 22/02/'23 - NYW ADD 20632-001R-37 DRAWING	7 25/10/'23 - NYW ADD CABLE SIZE 4 OPTION.	1.8 24/03/"24 - CC ADD IP RATING VIEW	I.9 22/02/'25 - CC Add GCT logo.	
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Scale:	NTS	THIRD ANGLE	Unstated Tolerances: .X N/A .XX N/A			
Drawn:	СС		_ XXX N/A ANGLES N/A	_		
App'd:	xxx	Title CABLE ASSEMBLY				
Date: 22	Feb. '25	Revision: 1.9	Unit: mm			

IP Rated RF Products



CABLE 385 RF
Drawing Number:

ww.gct.co www.gradconn.com

Sheet 1 of 1

Drawing (C) E and 0 E

Type: Cable 385 RF