CUSTOMER PRODUCT SPECIFICATION SHEET

RoHS Compliant

CAB451RF: I-PFX MHF I PI UG + S/S TNC STRAIGHT BUI KHFAD JACK W/O-RING RATED TO IP67/68 + 1.37MM CABI F

SPECIFICATIONS:

- 1. I-PEX MHF I PLUG, GOLD PLATED, P/N: 20351-112R-37.
- 2. Ø1.37MM COAXIAL CABLE, COLOR: BLACK.
- 3. TNC STRAIGHT BULKHEAD JACK W/O-RING. W/SUS303 STAINLESS STEEL BODY, RATED TO IP67/68, P/N: RFCT-TNC018-F78 (SILICONE O-RING) OR RFCT-TNC018-F78-1 (EPDM 0-RING).

ENVIRONMENTAL:

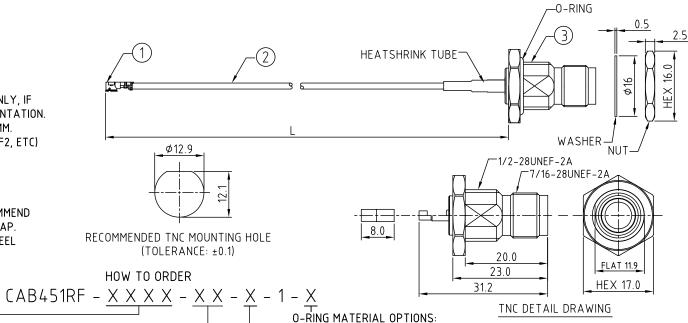
- A. BULKHEAD MOUNTED CONNECTOR (RFCT-TNC018-F78) RATED TO THE FOLLOWING SPECIFICATION:
 - i. IP6X DUST TIGHT NO PARTICLE INGRESS.
- ii. IPX7 WATERPROOF FOR 30 MINUTES UP TO 1 METER UNDERWATER.
- iii. IPX8 WATERPROOF FOR 48 HOURS AT 1 METER UNDERWATER.

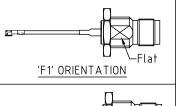
NOTES:

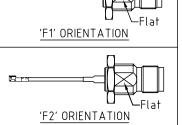
- 1. THE ORIENTATION OF CONNECTORS ON DRAWING IS FOR REFERENCE ONLY, IF THE ORDER IS LEFT BLANK THE CONNECTOR WILL NOT HAVE FIXED ORIENTATION.
- 2. FIXED ORIENTATION IS SUGGESTED FOR CABLE LENGTH 25MM TO 100MM. PLEASE SPECIFY THE FIXED ORIENTATIONS FROM THE ORDER CODE (F1, F2, ETC)
- 3. CONTACT GCT IF THE ORIENTATION YOU REQUIRE IS NOT SHOWN.
- 4. WORKING FREQUENCY RANGE: DC-6GHz.
- 5. OPERATING TEMPERATURE: -40°C TO +85°C
- 6. IMPEDANCE: 50 OHM
- 7. IF THE CONNECTOR IS USED IN A CORROSIVE ENVIRONMENT, WE RECOMMEND THE CONNECTOR FACE IS PROTECTED WITH A STAINLESS STEEL DUST CAP.
- 8. PLEASE USE THE RECOMMENDED TORQUE FORCES FOR STAINLESS STEEL CONNECTORS. THIS IS PUBLISHED ON GCT.CO RESOURCES PAGE.

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.







"L" LENGTH IN MM: eq: 100MM = 0100 (MIN. 0025-MAX.0400 STANDARD = 0100, 0150, 0200) Tolerance: 50mm: ±2mm.

201-400mm: ±7mm.

51-200mm: ±5mm.

WASHER AND NUT OPTIONS:

BLANK = SEPARATELY PACKED (STANDARD) A = ALL ASSEMBLED WITH CONNECTOR

S = SILICONE. BLACK

E = EPDM. BLACK (STANDARD)

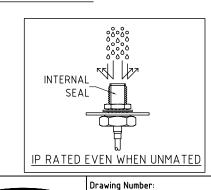
ORIENTATION OPTIONS:

BLANK = DOES NOT HAVE A FIXED ORIENTATION

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

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

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



Scale:	NTS	THIRD ANGLE	Unstated .X .XX	Tolerances: N/A N/A	
Drawn:	СС	₽-₩	.XXX ANGLES	N/A N/A	
App'd:	XXX	Title CABLE ASSEMBLY			
Date: 16 FEB. '25		Revision: 1.9	Unit: mm		ŀ

IP Rated RF Products



CAB451RF

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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

GCT:

<u>CAB451RF-0100-A-1-S</u> <u>CAB451RF-0050-A-1-S</u> <u>CAB451RF-0200-A-1-S</u> <u>CAB451RF-0300-A-1-S</u> <u>CAB451RF-0150-A-1-S</u>