

## TECHNICAL DATA

1. Impedance: 50  $\Omega$
2. Temp. range: -20~+80 °C
3. 5. Durability: 30 cycles (U.FL Connector)  
500 Cycles (FAKRA SMB Connector)
4. Withstanding voltage: 335 Vrms
5. Frequency range: 0~3 GHz
6. Cable assembly to be 100% tested for continuity

### 7. MATERIALS AND FINISHES

FAKRA SMB Straight "D" Type Jack Connector:

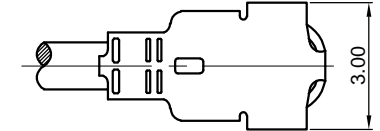
Body - Brass plated Nickel  
Center contact - Brass plated Gold  
Fastening Nut - Brass plated Nickel  
Crimp Ferrule - Copper plated Nickel  
Insulator - PTFE  
O-ring - Silicone Rubber  
Plastic Shell - PA66+30%GF (Color: BORDEAUX-VIOLET)

#### REVISIONS

REV	DESCRIPTION OF REVISION	ECN No.	DATE	APPROVED
A	INITIAL RELEASE	—	11/13/2020	M. Dong
B	FAKRA SMB CONNECTOR CHANGED	—	12/04/2020	M. Dong
C	FAKRA SMB CONNECTOR DRAWING CORRECTED	—	12/25/2020	M. Dong

U.FL/MHF Plug  
Enlarged Drawing

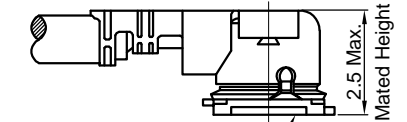
6:1



4.00

3.00

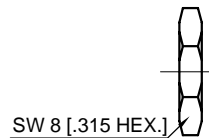
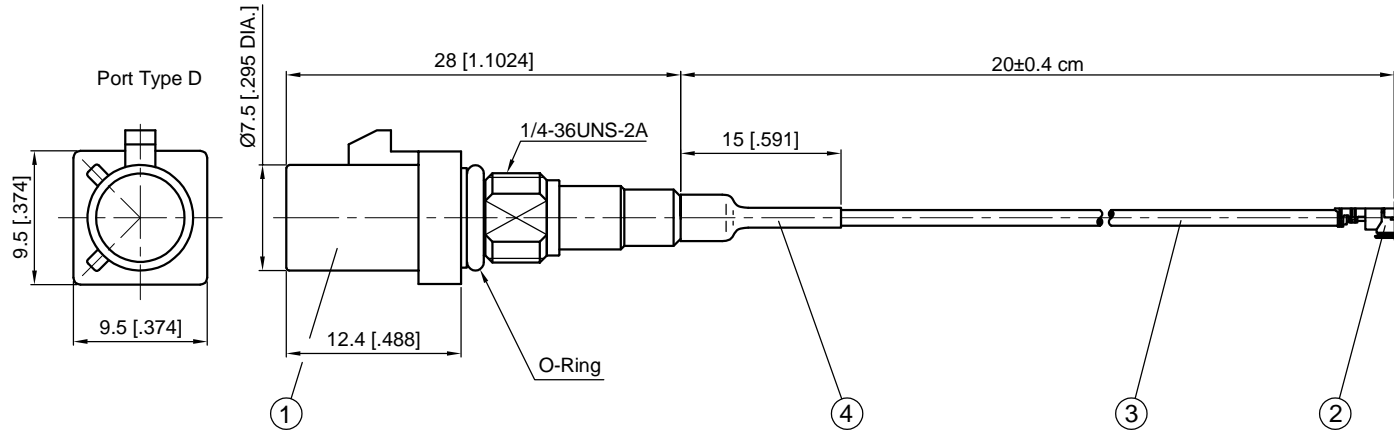
MATED VIEW



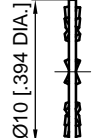
2.10

Receptacle  
331-0471-0-\*\*,  
20279-001E-01  
etc.

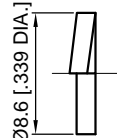
2.5 Max.  
Mated Height



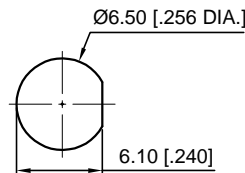
Fastening Nut



Washer



Spring Washer



Recommended Mounting Hole

#### NOTES:

1. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME
2. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.

4	HST-3-BK	3mm Diameter Heat-shrinkable Tube	2
3	MIC1.37	Mini Coaxial 1.37mm Cable (Black)	1
2	U.FL-LP-088	U.FL/MHF Right Angle Plug for MIC1.37 Cable	1
1	70-03-1A23-123D	FAKRA SMB Straight Bulkhead Jack Crimp for 1.37mm Cable	1
S/N	Part No.	Description	QTY

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE  
IN MILLIMETERS [INCHES].  
UNLESS OTHERWISE SPECIFIED DIMENSIONAL  
TOLERANCES ARE:

XX  $\pm 0.13$  [.005"]  
X  $\pm 0.20$  [.008"]  
X  $\pm 0.50$  [.019"]

ANGULAR TOLERANCES ARE: ALL  $\leq 1^\circ$   
OVERALL CABLE LENGTH TOLERANCES ARE:  $\pm 2\%$

DO NOT SCALE DRAWING

PROJECTION:



DRAWN: L. Ma 12/25/2020  
CHECKED: J. Zhu 12/25/2020  
APPROVED: M. Dong 12/25/2020

TITLE:  
Cable Assembly, FAKRA SMB Straight  
Jack (Male Center Contact) "D" Type to  
UFL/MHF Right Angle Plug, MIC1.37  
Cable, 20cm

**CMPPTER**<sup>®</sup>

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PART No.:  
**CA137-FKSMBF-UFL-20cm-2793**

SIZE: A4 SCALE: 2:1 SHEET: 1/1 REV: C