

## TECHNICAL DATA

### Electrical

|                       |                     |
|-----------------------|---------------------|
| Impedance             | 50 $\Omega$         |
| Frequency range       | 0~3 GHz             |
| Withstanding voltage  | 500 V               |
| Insulation resistance | $\geq 3000 M\Omega$ |

### Mechanical & Environmental

|                      |                  |
|----------------------|------------------|
| Durability (matings) | >500             |
| Temperature range    | -55 °C ~ +165 °C |
| RoHS Compliant       | Yes              |

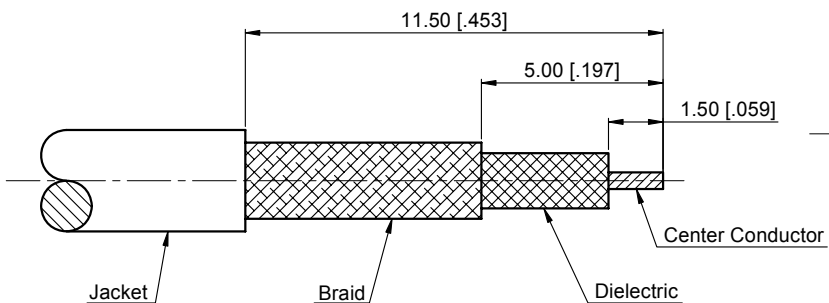
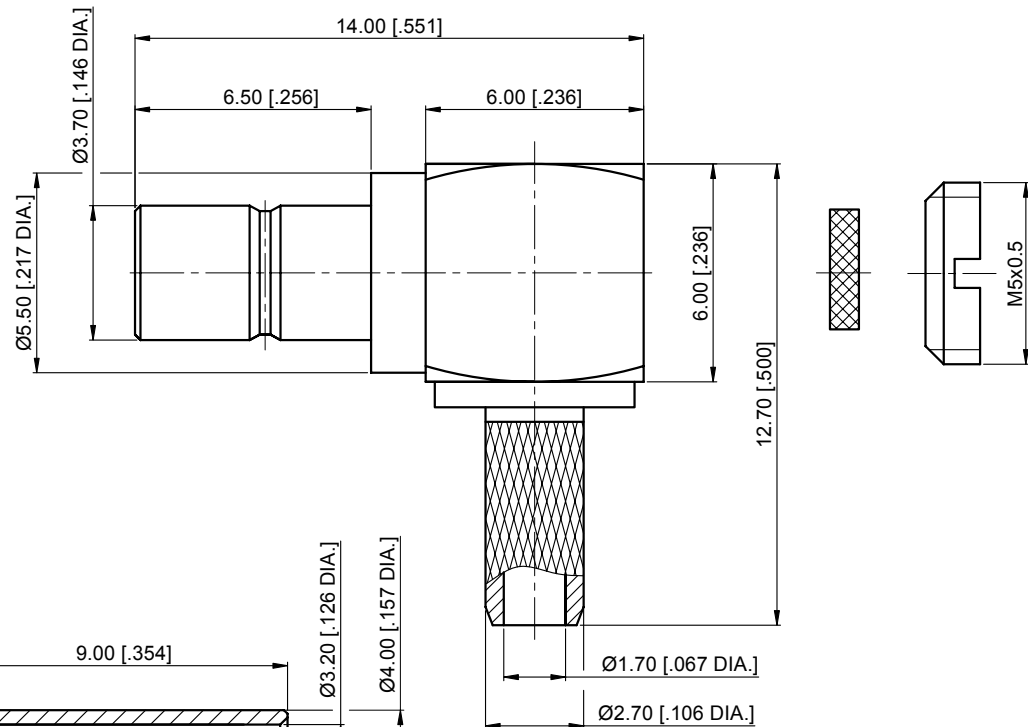
### Material & Finish

|               |                       |
|---------------|-----------------------|
| Body          | Brass, Gold-plated    |
| Pin Contact   | Brass, Gold-plated    |
| Crimp Ferrule | Copper, Nickel-plated |
| Insulator     | PTFE                  |

### Interface Standards

|     |           |
|-----|-----------|
| SMB | IEC-60169 |
|-----|-----------|

| REVISIONS |                         |         |            |          |
|-----------|-------------------------|---------|------------|----------|
| REV       | DESCRIPTION OF REVISION | ECN No. | DATE       | APPROVED |
| A         | INITIAL RELEASE         | —       | 08/18/2014 | M. Dong  |
| B         | STRUCTURE CHANGED       | —       | 03/12/2016 | M. Dong  |



Recommended Cable Stripping Dimensions

1. CRIMP FERRULE  
HEX. CRIMP TOOL SIZE: 3.25 [.128]

### NOTES:

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

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  $\pm 1^\circ$

DO NOT SCALE DRAWING

PROJECTION:



|           |         |            |
|-----------|---------|------------|
| DRAWN:    | L. Ma   | 03/12/2016 |
| CHECKED:  | J. Zhu  | 03/12/2016 |
| APPROVED: | M. Dong | 03/12/2016 |

TITLE:

SMB Right Angle Jack Crimp for  
LMR100/RG174/RG316 Cable  
(Male Center Contact)

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PART No.:

70-12-1M00-027

SIZE:  
A4

SCALE:  
4:1

SHEET:  
1/1

REV:  
B