NOTES:

1. MATERIALS AND FINISHES:
   BODY, CONTACT - BERYLLIUM COPPER, GOLD PLATING
   RETAINING RING - BERYLLIUM COPPER, NICKEL PLATING
   INSULATOR - PTFE, NATURAL
   SPACER - PTFE, NATURAL
   CAP - BRASS, NICKEL PLATING

2. ELECTRICAL:
   A. IMPEDANCE: 50 OHM
   B. FREQUENCY RANGE: DC-26.5 GHz
   C. VSWR (RETURN LOSS): 1.20 (20.8 dB), MAX.@ DC-18 GHz
      1.40 (15.6 dB), MAX. @ 18-26.5 GHz
   D. DIELECTRIC WITHSTANDING VOLTAGE: 500 VRMS, MIN.

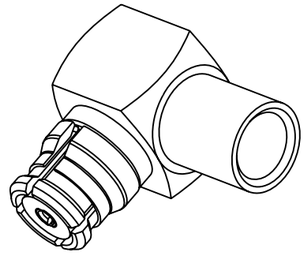
3. MECHANICAL:
   A. DURABILITY: 100 CYCLES MIN.WHEN MATED WITH FULL DETENT JACK
      500 CYCLES MIN. WHEN MATED WITH LIMITED DETENT JACK
      1000 CYCLES MIN. WHEN MATED WITH SMOOTH BORE JACK
   B. TEMPERATURE RANGE: -65°C TO 165°C

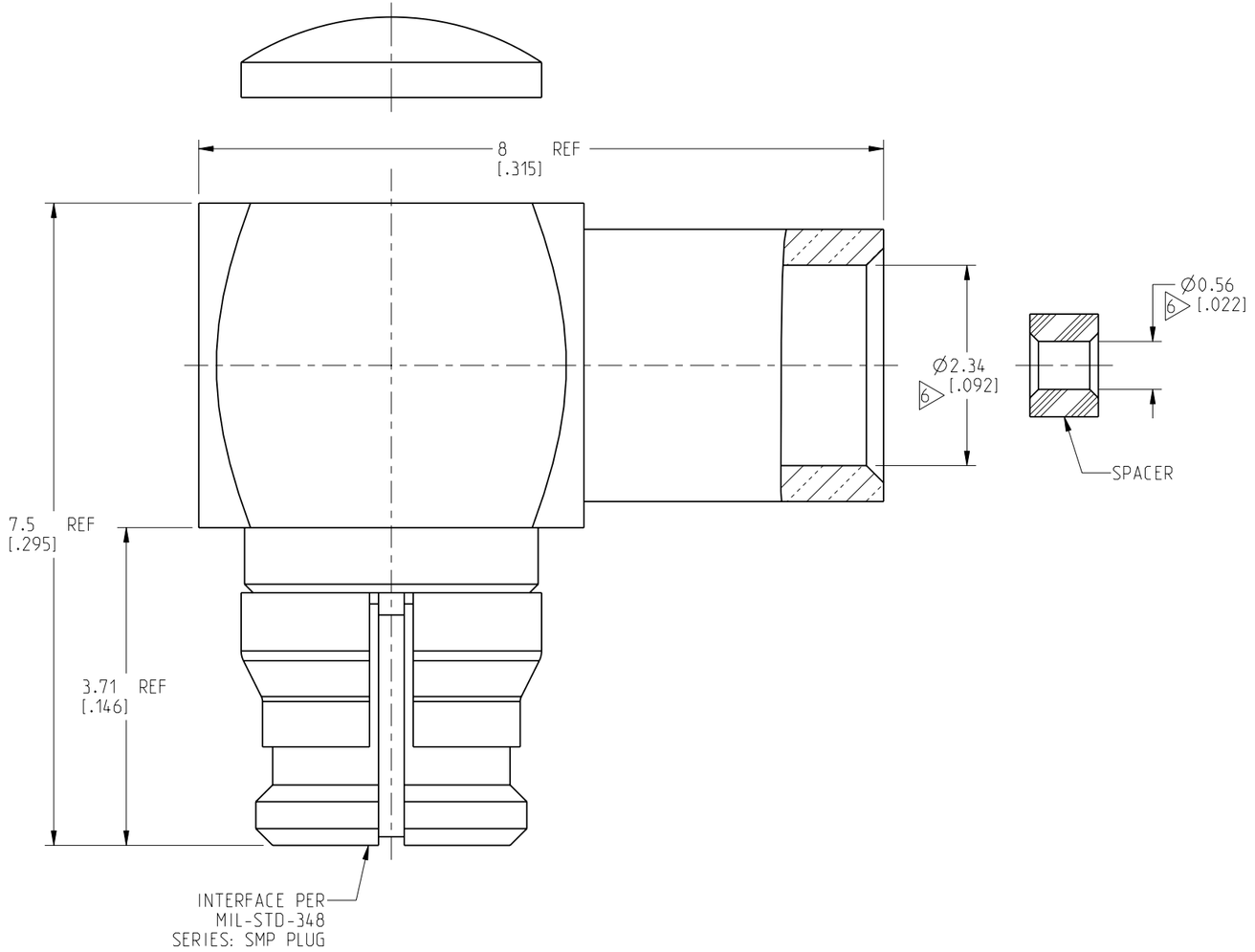
4. PACKAGING:
   A. QUANTITY: SINGLE PACK
   B. MARKING: PACKAGING TO BE MARKED
      "AMPHENOL RF, SMP-FR-C07-2-R & DATE CODE"

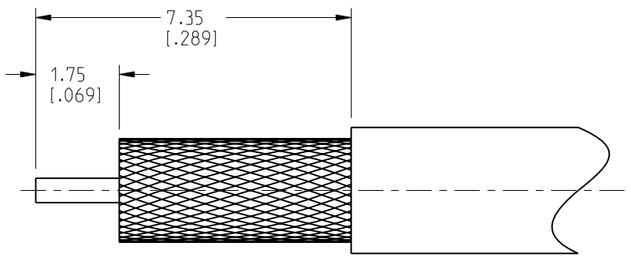
5. ASSEMBLY INSTRUCTIONS:
   A. STRIP CABLE TO DIMENSIONS SHOWN.
   B. SLIDE SPACER OVER CABLE CENTER CONDUCTOR.
   C. INSERT CABLE INTO BARREL, SOLDER CABLE CENTER CONDCUTOR
      TO CENTER CONTACT AND CABLE OUTER CONDCUTOR TO BARREL.
   D. PRESS CAP INTO TOP OF CONNECTOR.

⑥ SHOWS CABLE ENTRY DIMENSIONS.

REVISIONS				
REV	DESCRIPTION	DATE	ECN	BY
A	RELEASE TO MFG.	13-Jul-21	15808	SH







RECOMMENDED CABLE
STRIPPING DIMENSIONS

CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

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THIRD ANGLE PROJ.

REFERENCE: SMP-FR-C07

EAR#: 9940

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE METRIC [INCHES] AND TOLERANCES ARE:
<0.5mm = ±0.05mm [<0.020 = ±0.002]
>0.5 - 6mm = ±0.1mm [>0.020 - 0.236 = ±0.004]
>6.00 - 30mm = ±0.2mm [>0.236 - 1.181 = ±0.008]
>30.00 - 120mm = ±0.3mm [>1.181 - 4.725 = ±0.012]
ANGLES = ±1°

MATERIAL: SEE NOTE 1

ENGR.1: M.ZHANG

ENGR.2:

DATE: 01-Jul-21

TITLE: SMP R/A PLUG WITH RETAINING RING FOR .086" FLEXIBLE CABLE

SHEET NO. 2 OF 2

SCALE: 15.0:1.0

Amphenol RF

SIZE	DRAWING NO.	REV
B	SMP-FR-C07-2-R	A
	ITEM NO. SMP-FR-C07-2-R	
	PART NO. SMP-FR-C07-2-R	