

NOTES:

1. MATERIALS AND FINISHES:
 BODY & CONTACT - BeCu, GOLD PLATING
 HOUSING & SPACER - BRASS, GOLD PLATING
 INSULATORS - PTFE, NATURAL
 FERRULE - COPPER, NICKEL PLATING
 RETAINER RING - BeCu, NICKEL PLATING
 INSULATOR DISC - PEEK, NATURAL
2. ELECTRICAL:
 A. IMPEDANCE: 50 OHM
 B. FREQUENCY RANGE: DC - 6 GHz
 C. VSWR (RETURN LOSS): 1.28 MAX. (-18 dB MIN.) @ DC - 6 GHz
 D. DIELECTRIC WITHSTANDING VOLTAGE: 500 VRMS, MIN.
3. MECHANICAL:
 A. DURABILITY: 100 CYCLES MIN. WHEN MATED FULL DETENT JACK
 500 CYCLES MIN. WHEN MATED LIMITED DETENT JACK
 1000 CYCLES MIN. WHEN MATED A SMOOTH BORE JACK
 B. TEMPERATURE RANGE: -65°C TO +165°C

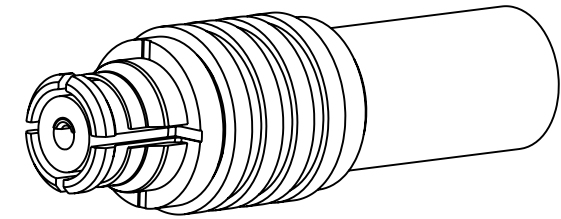
4. PACKAGING:
 A. QUANTITY: SINGLE PACK
 B. MARKING: BAG TO BE MARKED
 "AMPHENOL RF, SMP-FS-C19 AND DATE CODE"

5. CABLE ASSEMBLY INSTRUCTIONS:
 A. TRIM CABLE AS SHOWN.
 B. SLIDE FERRULE, SPACER AND INSULATOR DISC ONTO CABLE.
 C. SOLDER CABLE CENTER CONDUCTOR TO CONTACT.
 D. INSERT CABLE WITH FOIL ENTERING CONNECTOR AND BRAID OVER KNURL.
 E. CRIMP FERRULE OVER BRAID WITH .128" HEX DIE.

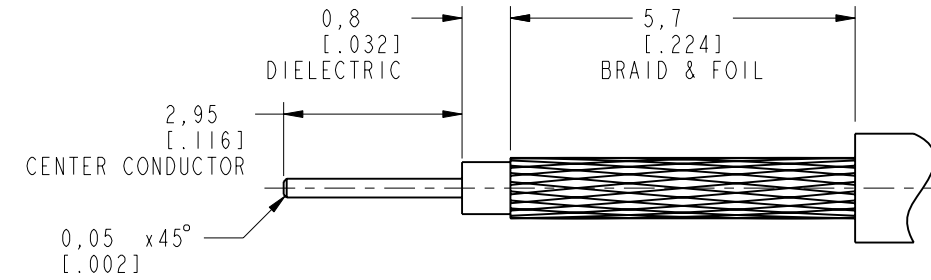
6 SHOWS CABLE ENTRY DIMENSIONS.

THIRD ANGLE PROJ.

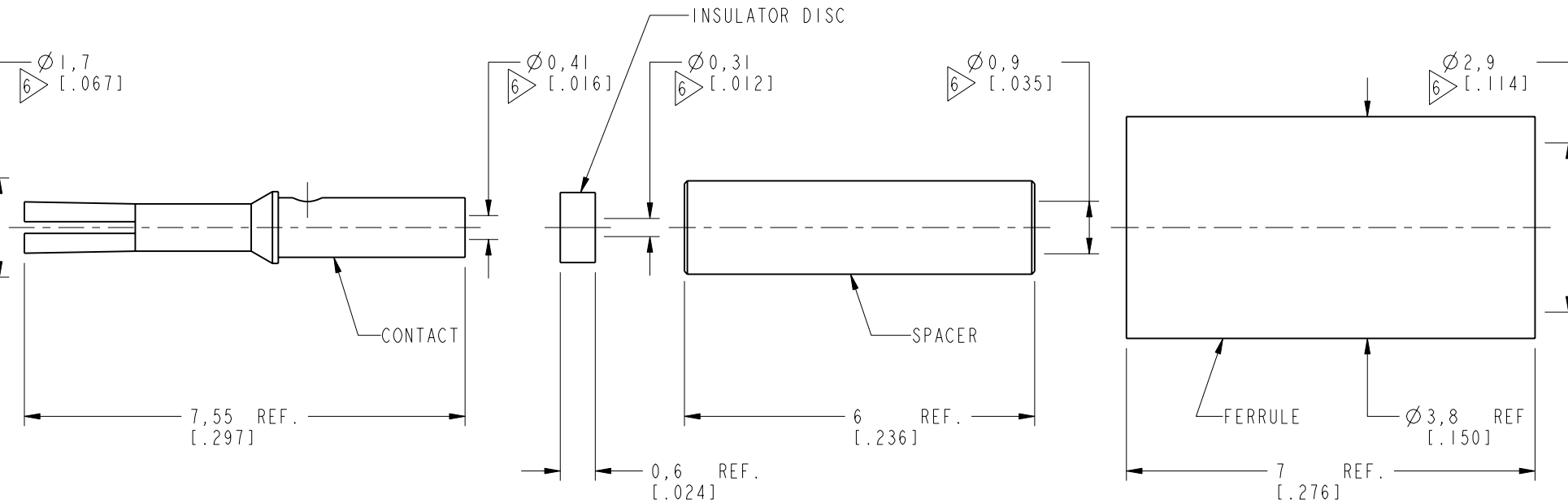
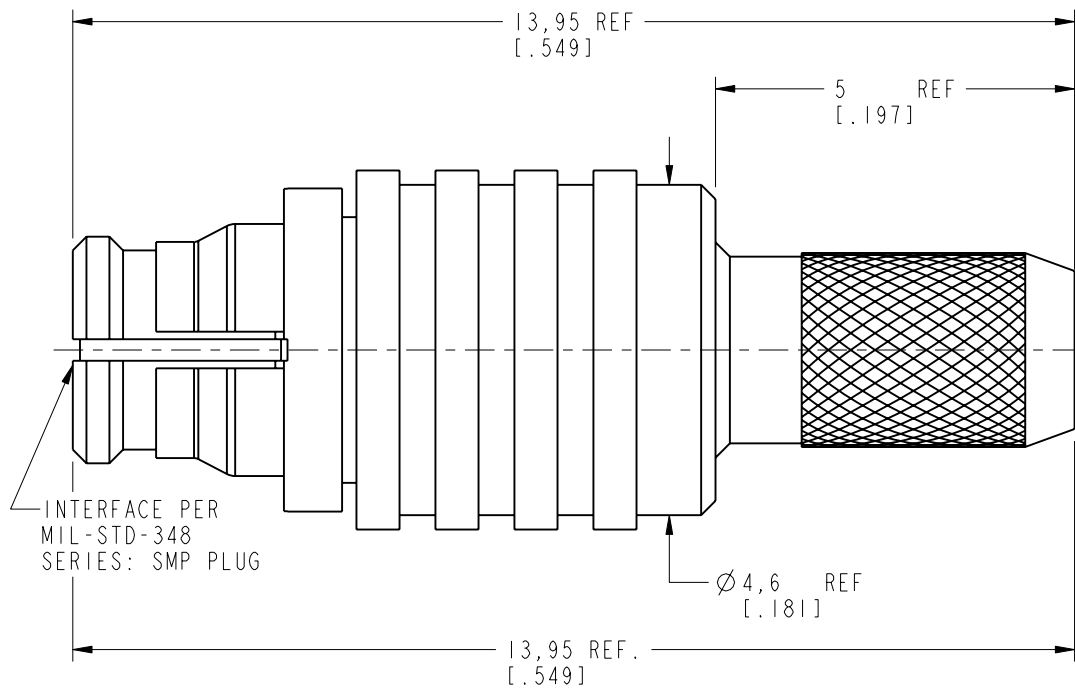
		REVISIONS		
REV	DESCRIPTION	DATE	ECN	APPR
A	RELEASE TO MFG.	18-Dec-18	10025	EH
B	UPDATED NOTE 3	07-May-19	11421	SH



SCALE 5.000



RECOMMENDED CABLE STRIPPING DIMENSIONS



CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN METRIC AND TOLERANCES ARE: <0.5mm ±0.05mm 0.5 - 6mm ±0.1mm 6 - 30mm ±0.2mm 30 - 120mm ±0.3mm ANGLES ±1°	MATERIAL	DRAWN	DATE	TITLE		Amphenol RF www.amphenolrf.com
	SEE NOTES	M. ZHANG	07-May-19	SMP STR PLUG WITH ROCK RING FOR RG 178 CABLE		
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	EAR# 8025	LOKESH P	04-Dec-17			ITEM NO. SMP-FS-C19
	REF: SMP-FS-C08-1-R	APPROVED	S. HSIEH	DATE	DWG SIZE B	
CONFIGURATION LEVEL: In Work	FINISH	CAD FILE	07-May-19	REV B		