

NOTES:

I. MATERIALS AND FINISHES:
 BODY & CONTACT - BeCu, GOLD PLATING
 INSULATOR - PTFE, NATURAL
 RETAINER RING - BeCu, NICKEL PLATING

2. ELECTRICAL:
 A. IMPEDANCE: 50 OHM
 B. FREQUENCY RANGE: DC - 26.5 GHz
 C. VSWR (RETURN LOSS): 1.20 MAX. (-20.80 dB MIN) @ DC - 10 GHz
 1.40 MAX. (-15.60 dB MIN) @ 10 - 18 GHz
 1.50 MAX. (-14.00 dB MIN) @ 18 - 26.5 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

C. MATING FORCES (PER DSCC #94007):

ENGAGEMENT:	DISENGAGEMENT:
FULL DETENT: 15 LBS (67 N) MAX.	FULL DETENT: 2 LBS (9 N) MIN.
LIMITED DETENT: 10 LBS (45 N) MAX.	LIMITED DETENT: 2 LBS (9 N) MIN.
SMOOTH BORE: 2 LBS (9 N) MAX.	SMOOTH BORE: 0.5 LBS (2.2 N) MIN

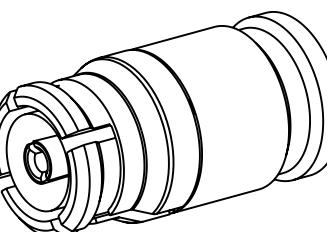
4. PACKAGING:
 A. QUANTITY: SINGLE PACK
 B. MARKING: BAG TO BE MARKED
 "AMPHENOL RF, SMP-FS-C06-I-R AND DATE CODE".

5. CABLE ASSEMBLY INSTRUCTIONS:
 A. SEE AMPHENOL SPEC 349-50686.

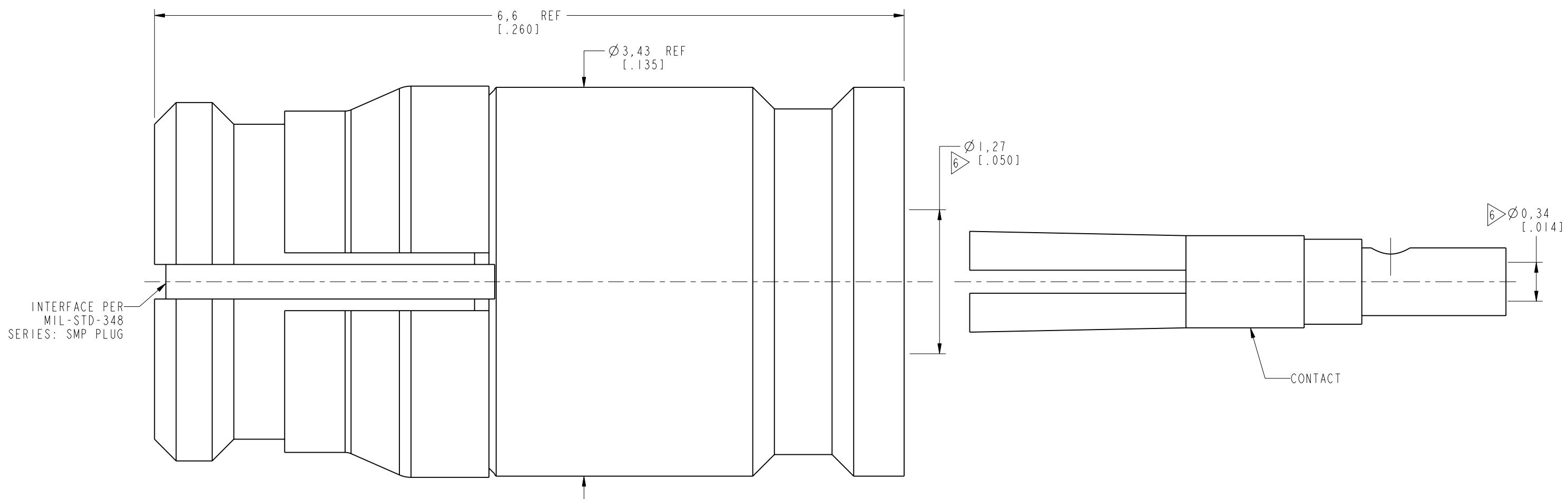
▷ SHOWS CABLE ENTRY DIMENSIONS.

THIRD ANGLE PROJ. ☺

REV		DESCRIPTION	DATE	ECN	APP
A		RELEASE TO MFG.	31-Jan-19	10388	EH



SCALE 6.500

**CUSTOMER OUTLINE DRAWING**

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN METRIC AND TOLERANCES ARE:
 <0.5mm 0.5 - 6mm 6 - 30mm 30 - 120mm ANGLES
 ± 0.05mm ± 0.1mm ± 0.2mm ± 0.3mm ± 1°

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MATERIAL SEE NOTES REFERENCE EAR# 8530 REF: SMP-FS-C06 CONFIGURATION LEVEL: In Work FINISH	DRAWN M.ZHANG	DATE 31-Jan-19	TITLE SMP STR PLUG WITH ANTI-ROCK RING FOR .047" SEMI RIGID CABLE APPROVED S.HSIEH DATE 31-Jan-19 CAD FILE	SCALE: 28.5:1.0 SHEET 2 OF 2 DWG SIZE B REV A	Amphenol RF www.amphenolrf.com DRAWING NO. SMP-FS-C06-I-R ITEM NO. SMP-FS-C06-I-R PART NO. SMP-FS-C06-I-R
	ENGINEER KARTHIK R	DATE 13-Dec-18			
	APPROVED S.HSIEH	DATE 31-Jan-19			