

THIRD ANGLE PROJ.

1. 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.

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

6.6 REF
[.260]

Ø 3.43 REF
[.135]

Ø 1.27
[.050]

Ø 0.34
[.014]

CONTACT

INTERFACE PER
MIL-STD-348
SERIES: SMP PLUG

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°				MATERIAL		DRAWN		DATE		TITLE SMP STR PLUG WITH ANTI-ROCK RING FOR .047" SEMI RIGID CABLE		Amphenol RF www.amphenolrf.com	
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				REFERENCE		KARTHIK R		13-Dec-18					
				EAR# 8530				APPROVED		DATE		SCALE: 28.5:1.0 SHEET 2 OF 2	
REF: SMP-FS-C06				S.HSIEH		31-Jan-19							
CONFIGURATION LEVEL: In Work				CAD FILE									
FINISH								DWG SIZE		REV		DRAWING NO. SMP-FS-C06-1-R	
								B		A		ITEM NO. SMP-FS-C06-1-R	
												PART NO. SMP-FS-C06-1-R	