

1. MATERIALS AND FINISHES:
 - BODY - BeCu, GOLD PLATING, .000030 [0.8] THICK OVER NICKEL
 - CONTACT - BeCu, GOLD PLATING, .000050 [0.8] THICK OVER NICKEL
 - INSULATOR - PTFE
 - DIELECTRIC SPACER - PTFE
2. ELECTRICAL:
 - A. IMPEDANCE: 50 OHM
 - B. FREQUENCY RANGE: DC - 26.5 GHz
 - C. VSWR(RETURN LOSS): 1.2 (20.8 dB), MAX. DC-18GHz
1.35 (16.5 dB), MAX. 18-26.5GHz
 - D. DIELECTRIC WITHSTANDING VOLTAGE: 500 VRMS, MIN.
3. PHYSICAL:
 - A. DURABILITY: 100 CYCLES MIN.
 - B. ENGAGEMENT FORCE: 15 LB [67 N] MAX
 - C. DISINGAGEMENT FORCE: 2 LB [9 N] MIN
 - E. TEMPERATURE RANGE: -65° C TO 165° C
4. PACKAGING:
 - A. QUANTITY: SINGLE PACK
 - B. MARKING: , AMPHENOL, SMP-FS-C07, DATE CODE
5. SEE AMPHENOL SPEC 349-50685 FOR CABLE ASSEMBLY INSTRUCTIONS.

Technical drawing of a cable connector assembly. The drawing shows a side view of the assembly with a central cable and a connector housing. Dimensions are indicated with arrows and text:

- Overall length: $.300$ [7,62]
- Distance from cable end to the start of the connector housing: $.177$ [4,5] REF (TO CABLE END)
- Outer diameter of the connector housing: $\varnothing .135$ [3,43]

Interface specification: INTERFACE PER MIL-STD-348 SERIES SMP

DIELECTRIC SPACER

-CONTACT

CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES AND TOLERANCES ARE: 2 PLACE DECIMAL 3 PLACE DECIMAL ANGLES ±.015 (0.381 mm) ±.005 (0.127 mm) ± 1°			MATERIAL		DRAWN M. HOYACK		DATE 02-Oct-01		TITLE ASSEMBLY SOCKET CONTACT TO .086 S/R CABLE			Amphenol RF Danbury, CT, USA Tainan, Taiwan Shenzhen, China www.amphenolrf.com			
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			REFERENCE GEN# ASSYF2_SMP EAR# 967585-1 & 1693 615X-1633-100			APPROVED OWEN BARTHELMES		DATE 2/23/05							
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