



**NOTES:**

1. FOR USE WITH BOEING BMS13-65-0G AND ADAMS RUSSELL FC20Z CABLES.
2. FOR CABLING INSTRUCTIONS SEE 3-546-1.
3. FOR CRIMPING USE DIE KTH-2242.
4. INTERFACE PER MIL-STD-348, FIG. 310-1.
5. CENTER CONTACT (1-3959-2MA9) SUPPLIED UNASSEMBLED.
6. MARK PACKAGE: HS5940-1  
875-100-3 (DATE CODE)  
91836

**7. MATERIALS:**

INSULATOR: TEFLON, ASTM D1710  
 GASKET: SILICONE RUBBER, A-A-59588  
 K-GRIP SLEEVE-COM'L BRONZE, ASTM B135  
 C-RING: BER. COPPER, ASTM B196  
 ALL OTHER PARTS: STAINLESS STEEL, 303  
 CONTACT: BRASS, ASTM-B16

**8. FINISHES:**

CENTER CONTACT: .000050 MIN GOLD PLATE, PER ASTM B488 OVER  
 .000050 MIN. NICKEL PER AMS-QQ-N-290 (RoHS)  
 K-GRIP: .000050 MIN NICKEL PER AMS-QQ-N-290  
 OVER .000050 MIN COPPER PER ASTM B734 (RoHS)  
 ALL OTHER METAL PARTS: PASSIVATED PER SAE-AMS-QQ-P-35

**9. ELECTRICAL CHARACTERISTICS:**

NOMINAL IMPEDANCE: 50 OHMS  
 FREQUENCY RANGE: DC TO 12.4 GHz  
 WORKING VOLTAGE: 500 VOLTS RMS  
 VSWR:  $1.20 + 0.025 \times F$  (F IN GHz)  
 INSERTION LOSS (dB):  $0.06 \times \sqrt{F}$  (F IN GHz)

10. CONNECTOR WEIGHT: 4.8 GRAMS

REVISIONS	
ISSUE	CHANGES
3	CN 39554 A DCT 8/3/6
4	CN 39605 C JPK 09/05/06
F	REVISED PER ER23220 GGR 04/13/2010
G	ER35046 KPL 09/22/11
H	REVISED PER DMF304 & ER35768 KPL 11/10/11

875-100-3

**CUSTOMER SALES DRAWING**

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SCALE	6:1
APPROX SURFACE AREA	
WAS:	E-18857
CAGE CODE:	91836
REF:	Mc D. DOUGLAS #HS5940-1 REV. A

**PLUG, SMA**

DRAWN	ME	DATE	06/06/95
DESIGN	AR	DATE	06/06/95
APPR.		DATE	

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