



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
01_2	REDRAWN IN CAD PER ECN 98-0001	PATLAN 4/02/98	4/3/98 <i>[Signature]</i>

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) <u>50</u>	Interface Dimensions MIL-STD-348A, Fig. 310.2	Temperature Rating <u>-65°C to +105°C</u>
Frequency Range (GHz) <u>DC to 18.0</u>	Recommended Mating Torque <u>7-10 IN LBS</u>	Thermal Shock - MIL-STD-202, Method 107, Condition A,
Volt Rating (VRMS MAX) @ Sea Level <u>335</u>	Mating Characteristics: Insertion (MAX Lbs) <u>3.0</u>	Corrosion - MIL-STD-1344, Method 1001, Condition B
VSWR <u>1.35 + .01f(GHz)</u>	Withdrawal (MIN Oz) <u>1.0</u>	Moisture Resistance - MIL-STD-202, Method 106. No measurements at high humidity. Insulation resistance shall be at least 200 Meg Ohms within 5 minutes after removal from humidity.
Insertion Loss (dB MAX) <u>.07 √f(GHz)</u>	Force to Engage and Disengage (In-Lbs MAX) <u>2.0</u>	
RF Leakage (dB MIN) <u>N/A</u>	Center Contact Captivation: Axial (Lbs) <u>6.0</u>	
Corona, 70,000 Ft (VRMS MIN) <u>N/A</u>	Radial (In-Oz) <u>4.0</u>	
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>1,000</u>	Cable Retention: Axial Force (Lbs) <u>N/A</u>	
Contact Resistance (Milliohms MAX): Center Contact <u>3.0</u>	Torque (In-Oz) <u>N/A</u>	
Outer Contact <u>2.0</u>	Weight (Grams) <u>1.7</u>	
Cable to Housing <u>N/A</u>		
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) <u>670</u>		
I.R.(Megohms MIN) <u>5,000</u>		

COMPONENT	MATERIAL	FINISH
HOUSING	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	PASSIVATE PER QQ-P-35
DIELECTRIC	PTFE FLUOROCARBON PER ASTM-D-1457	N/A
CENTER CONTACT	BERYLLIUM COPPER PER ASTM-B-196 OR ASTM-B-197, ALLOY C17300, CONDITION H	GOLD PLATE PER MIL-G-45204

  

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		DRAWN BY <u>GB.</u> DATE <u>3-07-84</u>		 <b>AMP Incorporated</b> 140 Fourth Avenue Waltham, MA 02451-7599
FRAC. <u>± 1/64</u>	DEC. <u>±.005</u>	CHECKED BY <u>R.G.</u>	DATE <u>3-26-84</u>	
ANGLES <u>± 1°</u>	APPD BY <u>R.G.</u>	DATE <u>3-26-84</u>		
These drawings and specifications are the property of M/A COM Interconnect Div. and shall not be reproduced or copied or used in whole or in part as the basis for the manufacture or sale of item(s) without written permission.		USE ASSY PROCEDURE  NO. A.P. <u>N/A</u>		TITLE <b>SMA FLANGE MOUNT JACK RECEPTACLE CAPTURED CENTER CONTACT TAB TERMINAL (M83517/1-31001)</b>
SIZE <u>B</u>	CODE IDENT NO. <u>26805</u>	<u>2052-8003-92</u>	REV <u>01_2</u>	
SCALE <u>5:1</u>		SHEET 1 OF 1		