



DESIGNED FOR USE WITH .085 S/R CABLE		REVISIONS			
CABLE ENTRY DIAMETER MINIMUM		REV	DESCRIPTION	DATE	APPROVED
HOUSING	.089	01 <sub>0</sub>	RELEASED	10/24/90	CAS
CONTACT	.023	02 <sub>0</sub>	AP # WAS 20-344, CABLE ENTRY DIA WAS .037 SLOT, ECN 91-0190	BB 3/21/91	KCM 3/25/91

HOUSING CAP	STAINLESS STEEL PER ASTM-A484 AND ASTM- A582, TYPE 303	GOLD PLATE PER MIL-G-45204 OVER NICKEL PLATE PER QQ-N-290
COUPLING NUT	STAINLESS STEEL PER ASTM-A484 AND ASTM- A582, TYPE 303	PASSIVATE PER ASTM-A380
DIELECTRIC	TFE FLUOROCARBON PER ASTM-D-1457	N/A
CENTER CONTACT	BERYLLIUM COPPER PER ASTM B 196, ALLOY C17300, CONDITION H	GOLD PLATE PER MIL-G-45204 OVER COPPER PLATE PER MIL-C-14550
RETAINING RING	BERYLLIUM COPPER PER ASTM B 194, ALLOY C17200, CONDITION H	N/A
GASKET	SILICONE RUBBER PER ZZ-R-765	N/A
COMPONENT	MATERIAL	FINISH

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) <u>50</u>	Interface Dimensions MIL-STD-348, Fig. 310-1	Temperature Rating <u>-65 to 105°C</u>
Frequency Range (GHz) DC to <u>18</u>	Recommended Mating	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX) @ Sea Level <u>335</u>	Torque <u>7-10 IN-LBS</u>	Shock MIL-STD-202, Method 213, Condition I
VSWR <u>1.10 + .01(f)</u>	Mating Characteristics:	Thermal Shock MIL-STD-202, Method 107, Condition B, Except High Temp +115°C
Insertion Loss (dB MAX) <u>.05 √f(GHz)</u>	Insertion (MAX Lbs) <u>N/A</u>	Moisture Resistance MIL-STD-202, Method 106, Except Vibration
RF Leakage (dB MIN) <u>-90</u>	Withdrawal (MIN Oz) <u>N/A</u>	Shall Be Omitted. Resistance 200 Megohms Within 5 Minutes.
Corona, 70,000 Ft (VRMS MIN) <u>250</u>	Force to Engage and Disengage (In/Lbs MAX) <u>2</u>	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>1000</u>	Center Contact Captivation	
Contact Resistance (Milliohms MAX)	Axial (Lbs) <u>6</u>	
Center Contact <u>3.0</u>	Radial (In/Oz) <u>N/A</u>	
Outer Contact <u>2.0</u>	Cable Retention	
Cable to Housing <u>0.5</u>	Axial Force (Lbs) <u>30</u>	
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) <u>670</u>	Torque (In/Oz) <u>16</u>	
I.R.(Megohms MIN) <u>5000</u>	Weight (Grams) <u>T.B.D.</u>	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON FRAC. DEC. ANGLES ± 1/64 ±.005 ± °	DRAWN BY <i>B.M.EDWARDS</i>	DATE <i>10/23/90</i>			<b>AMP Incorporated</b> 140 Fourth Avenue Waltham, MA 02451-7599	
	CHECKED BY <i>BB</i>	DATE <i>10/24/90</i>				
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	USE ASS'Y PROCEDURE	NO. AP. <b>408-04706 (20-460)</b>	SIZE <b>B</b>	CODE IDENT NO. <b>26805</b>	<b>2007-5116-02</b>	REV <b>02<sub>0</sub></b>
			SCALE <b>5:1</b>	SHEET 1 OF 1		

CUSTOMER DRAWING

AMP PART # 1051120-1  
SHEET 1 OF 1 REV A

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