



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
01 <sub>1</sub>	SEE ECN 80-0823-2	FN 8/12/80	RG 8/12/80
01 <sub>2</sub>	ECN 92-0010	AD 9/23/92	BB 10/1/92

ELECTRICAL
Nominal Impedance (Ohms) <u>50</u>
Frequency Range (GHz) DC to <u>18</u>
Volt Rating (VRMS MAX) @ Sea Level <u>190</u>
VSWR <u>1.05 ± .005 f (GHz)</u>
Insertion Loss (dB MAX) <u>.03 √f(GHz)</u>
RF Leakage (dB MIN) <u>-[60 - f(GHz)]</u>
Corona, 70,000 Ft (VRMS MIN) <u>250</u>
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>1,000</u>
Contact Resistance (Milliohms MAX) Center Contact <u>2.0</u> Outer Contact <u>2.0</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>10,000</u>

MECHANICAL
Interface Dimensions MIL-STD-348A, Fig. <u>310.2</u>
Recommended Mating Torque <u>N/A</u>
Mating Characteristics: Insertion (MAX Lbs) <u>3.0</u> Withdrawal (MIN Oz) <u>1.0</u>
Force to Engage and Disengage (In-Lbs MAX) <u>2.0</u>
Center Contact Captivation Axial (Lbs) <u>6.0</u> Radial (In-Oz) <u>4.0</u>
Cable Retention Axial Force (Lbs) <u>N/A</u> Torque (In-Oz) <u>N/A</u>
Weight (Grams) <u>TBD</u>

ENVIRONMENTAL
Temperature Rating <u>-55°C to +105°C</u>
Vibration MIL-STD-202, Method 204, Condition D.
Shock MIL-STD-202, Method 213, Condition I.
Thermal Shock MIL-STD-202, Method 107, Condition A
Moisture Resistance MIL-STD-202, Method 106
Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray

COMPONENT	MATERIAL	FINISH						
HOUSING	STAINLESS STEEL PER ASTM-A484 AND ASTM- A582, TYPE 303	GOLD PLATE PER MIL-G-45204 OVER NICKEL PLATE PER QQ-N-290						
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						
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON FRAC. DEC. ANGLES ± 1/64 ±.005 ± °		<table border="1"> <tr> <td>DRAWN BY E.J.C.</td> <td>DATE 7/30/68</td> </tr> <tr> <td>CHECKED BY RW</td> <td>7/30/68</td> </tr> <tr> <td>APP'D BY ED/VS</td> <td>7/30/68</td> </tr> </table>	DRAWN BY E.J.C.	DATE 7/30/68	CHECKED BY RW	7/30/68	APP'D BY ED/VS	7/30/68
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CUSTOMER DRAWING

AMP PART # 1052514-1  
SHEET 1 OF 1 REV A

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