



DESIGNED FOR USE WITH .141 SEMI-RIGID CABLE	
CABLE ENTRY DIAMETER MINIMUM	
HOUSING	.144
CONTACT	.037

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
040	SEE ECN 93-0041-1	4/1/93	PCW 3/25/93

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) <u>50</u>	Interface Dimensions <u>DESC SPEC 85071</u>	Temperature Rating <u>-65° to +125°C</u>
Frequency Range (GHz) DC to <u>22</u>	Mating Characteristics:	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX) @ Sea Level <u>500</u>	Insertion (MAX Lbs) <u>3</u>	Shock MIL-STD-202, Method 213, Condition I
VSWR <u>1.02+0.005f(GHz)</u> DC to 18 GHz <u>1.02+0.008f(GHz)</u> 18 to 22 GHz	Withdrawal (MIN Oz) <u>1</u>	Thermal Shock MIL-STD-202, Method 107, Condition B
Insertion Loss (dB MAX) <u>.03x√f(GHz)</u>	Force to Engage (In-Lbs MAX) <u>3</u> & Disengage (In-Lbs MAX) <u>15</u>	Moisture Resistance MIL-STD-202, Method 106
RF Leakage (dB MIN) (Interface Only, Fully Mated) <u>-(90-f(GHz))</u>	Center Contact Captivation Axial (Lbs) <u>6</u>	Corrosion - MIL-STD-202, Method 101, Condition B
Corona, 70,000 Ft (VRMS MIN) <u>375</u>	Cable Retention Axial Force (Lbs MIN) <u>60</u>	
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>1500</u>	Torque (In-Oz MIN) <u>55</u>	
Contact Resistance (Milliohms MAX)	Weight (Grams)	
Center Contact <u>2.0</u>		
Outer Contact <u>2.0</u>		
Cable to Housing <u>0.5</u>		
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) <u>1000</u>		
IR.(Megohms MIN) <u>5000</u>		

COMPONENT	MATERIAL	FINISH
HOUSING BUSHING	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
CONTACT SLEEVE	BERYLLIUM COPPER PER ASTM B 196, ALLOY C17300, CONDITION H	GOLD PLATE PER MIL-G-45204 OVER NICKEL PLATE PER QQ-N-290
RETAINING CLIP CONTACT RING SHIM	BERYLLIUM COPPER PER ASTM B 194, ALLOY C17200, CONDITION H	GOLD PLATE PER MIL-G-45204 OVER COPPER PLATE PER MIL-C-14550
SPRING	STAINLESS STEEL	PASSIVATE PER QQ-P-35
RETAINING RING	BERYLLIUM COPPER PER QQ-C-533	GOLD PLATE PER MIL-G-45204 OVER NICKEL PLATE PER QQ-N-290
BUSHING	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	PASSIVATE PER QQ-P-35

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON	DRAWN BY D.CAM 5/29/85	DATE 6/6/85		AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599
	CHECKED BY L.B.			
FRAC. DEC. ANGLES ± 1/64 ±.005 ± °	APPD BY R.R.	DATE 6/7/85	TITLE OSP FLOATING PANEL FEED-THRU REAR MOUNT CABLE JACK SOLDER ATTACHMENT	
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	SCALE 3:1		4510-7941-00	REV 040
			SHEET 1 OF 1	

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