



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
070	SEE ECN 93-0041-1	3/31/93	PN 3/25/93

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

COMPONENT	MATERIAL	FINISH
INNER HOUSING BUSHING	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	GOLD PLATE PER MIL-G-45204 OVER COPPER PLATE PER QQ-N-290
OUTER HOUSING SPRING WASHER	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
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
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
RETAINING RING	BERYLLIUM COPPER PER ASTM B 194, ALLOY C17200, CONDITION H	NICKEL PLATE PER QQ-N-290 OVER COPPER PLATE PER MIL-C-14550
SPRING WASHER	BERYLLIUM COPPER PER ASTM B 194, ALLOY C17200, CONDITION H	NICKEL PLATE PER QQ-N-290

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) 50	Interface Dimensions DESC SPEC 85071	Temperature Rating -65° to +125°C
Frequency Range (GHz) DC to 22	Mating Characteristics:	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX) Sea Level 500	Insertion (MAX Lbs) 3	Shack MIL-STD-202, Method 213, Condition I
VSWR 1.02+.005/(GHz) DC to 18 GHz	Withdrawal (MIN Oz) 1	Thermal Shock MIL-STD-202, Method 107, Condition B
1.02+.009/(GHz) 18 to 22 GHz	Force to Engage (In-Lbs MAX) 3	Moisture Resistance MIL-STD-202, Method 106
Insertion Loss (dB MAX) .03x√(GHz)	& Disengage (In-Lbs MAX) 15	Corrosion - MIL-STD-202, Method 101, Condition B, 5% Salt Spray
RF Leakage (dB MIN) Interface Only, Fully Mated -190-(fGHz)	Center Contact Captivation Axial (Lbs) 6	
Corona, 70,000 Ft (VRMS MIN) 375	Cable Retention Axial Force (Lbs MIN) 60	
Dielectric Withstanding Voltage (VRMS MIN) Sea Level 1500	Torque (In-Oz MIN) 55	
Contact Resistance (Milliohms MAX) Center Contact 2.0	Weight (Grams) 5.4	
Outer Contact 2.0		
Cable to Housing 0.5		
RF High Potential Sea Level (VRMS MIN) 5 MHz 1000		
IR (Megohms MIN) 5000		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DRAWN BY PCV	DATE 2-18-82	AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599
TOLERANCE ON	CHECKED BY G.A.L.	6-4-82	
FRACTIONAL DECIMAL ANGLES ± 1/64 ± .005 ± °	APPROVED BY R.M.F.	6-4-82	
USE ASSY PROCEDURE	408-08260 (45-002)		AMP TITLE OSP FLOATING FLANGE MOUNT CABLE JACK - DIRECT SOLDER ATTACHMENT SIZE B CODE IDENT NO. 4506-7941-02 SCALE 3:1 SHEET 1 OF 1
NO. AP.	REV 070		

CUSTOMER DRAWING AMP PART # 1059453-1 SHEET 1 OF 1 REV A