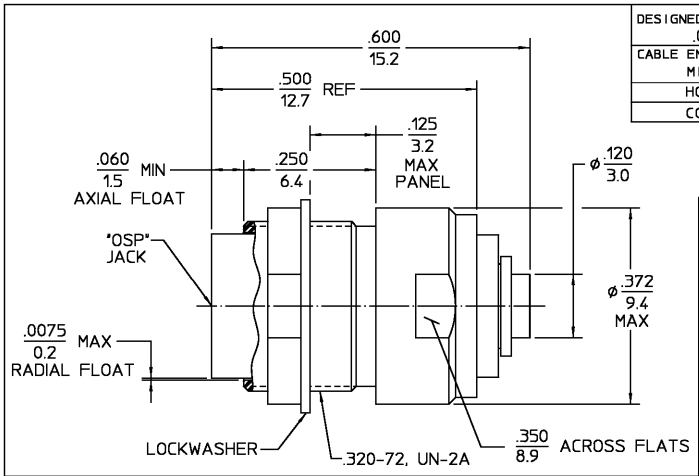
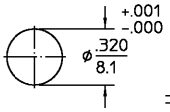


DESIGNED FOR USE WITH .085 SR CABLE ENTRY DIAMETER MINIMUM	
HOUSING	.089
CONTACT	.021

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
03_3	REVISED	KYLE 5-8-97	



RECOMMENDED MOUNTING HOLE
N.T.S.

COMPONENT	MATERIAL	FINISH
INNER HOUSING	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	GOLD PLATE PER MIL-G-45204
OUTER 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
CONTACT SLEEVE	BERYLLIUM COPPER PER ASTM-B-196, ALLOY C17300, CONDITION H	GOLD PLATE PER MIL-G-45204
CONTACT RING	BERYLLIUM COPPER PER ASTM-B-194, ALLOY C17200, CONDITION H	GOLD PLATE PER MIL-G-45204
LOCKWASHER	PHOSPHOR BRONZE PER QQ-B-750, GRADE B2	NICKEL PLATE PER QQ-N-290
SPRING	MUSIC WIRE	NICKEL PLATE PER QQ-N-290
RETAINING RING	BERYLLIUM COPPER PER ASTM-B-194, ALLOY C17200, CONDITION H	NICKEL PLATE PER QQ-N-290

ELECTRICAL	
Nominal Impedance (Ohms)	50
Frequency Range (GHz) DC to	18.0
Volt Rating (VRMS MAX)	
@ Sea Level	335
VSWR	1.05 + .005f(GHz)
Insertion Loss (dB MAX)	$.03\sqrt{f(GHz)}$
RF Leakage (dB MIN)	-[100 - f(GHz)]
Corona, 70,000 Ft (VRMS MIN)	250
Dielectric Withstanding Voltage	
(VRMS MIN) @ Sea Level	1,000
Contact Resistance (Milliohms MAX)	
Center Contact	2.0
Outer Contact	2.0
Cable to Housing	0.5
RF High Potential @ Sea Level	
(VRMS MIN @ 5 MHz)	670
I.R.(Megohms MIN)	5,000

MECHANICAL	
Interface Dimensions MIL-STD-348A,	
Fig.	321-2
Mating Characteristics:	
Insertion (MAX Lbs)	3.0
Withdrawal (MIN Oz)	1.0
Force to Engage (IN-Lbs MAX)	3.0
Disengage (In-Lbs MAX)	1.5
Center Contact Captivation	
Axial (Lbs)	6.0
Radial (In-Oz)	N/A
Cable Retention	
Axial Force (Lbs)	30
Torque (In-Oz)	16
Weight (Grams)	TBD

ENVIRONMENTAL
Temperature Rating -65 TO +105°C
Vibration MIL-STD-202, Method 204, Condition D
Shock MIL-STD-202, Method 213, Condition I
Thermal Shock MIL-STD-202, Method 107, Condition C,
Moisture Resistance MIL-STD-202, Method 106
Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray

.XXX = in
XX.X = mm (REF)

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

FRAC.	DEC.	ANGLES
± 1/64	±.005	± 1°

		DATE
DRAWN BY	D.CAM	8-9-85
CHECKED BY	R.G	8-21-85
APP'D BY	R.G	8-21-85

AMP

AMP Incorporated
140 Fourth Avenue
Waltham, MA 02451-7599

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USE ASS'Y PROCEDURE

NO. A.P. 408-04596 (45-047)

TITLE "OSP" FEEDTHRU CABLE JACK-DIRECT SOLDER ATTACHMENT

SIZE	CODE IDENT NO.		REV
B	26805	4522-5003-02	03_3
SCALE 6:1			SHEET 1 OF 1

CUSTOMER DRAWING

AMP PART # 1084859-1
SHEET 1 OF 1 REV A

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