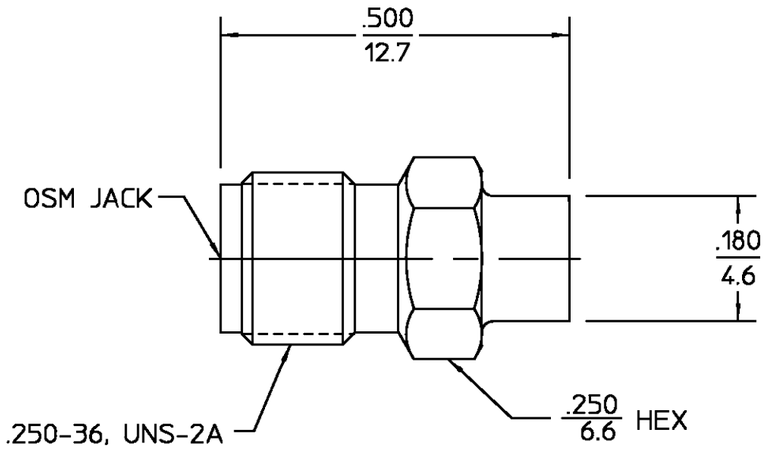


DESIGNED FOR USE WITH .141 DIA S.R. CABLE	
CABLE ENTRY DIAMETER MINIMUM	
HOUSING	.143
CONTACT	.038

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
01_1	RELEASED	3/11/99	Tlwag

ELECTRICAL	
Nominal Impedance (Ohms)	50
Frequency Range (GHz) DC to	18
Volt Rating (VRMS MAX)	
@ Sea Level	500
VSWR 1.05+.01 f(GHz)	
Insertion Loss (dB MAX)	.03x $\sqrt{f(GHz)}$
RF Leakage (dB MIN)	-[90-f(GHz)]
Corona, 70,000 Ft (VRMS MIN)	375
Dielectric Withstanding Voltage	
(VRMS MIN) @ Sea Level	1500
Contact Resistance (Milliohms MAX)	
Center Contact	3.0
Outer Contact	2.0
Cable to Housing	0.5
RF High Potential @ Sea Level	
(VRMS MIN @ 5 MHz)	1000
I.R.(Megohms MIN)	5000

MECHANICAL	
Interface Dimensions MIL-STD-348A, Fig 310.2	
Mating Characteristics:	
Insertion (MAX Lbs)	3
Withdrawal (MIN Oz)	1
Force to Engage & Disengage (In-Lbs MAX)	2
Center Contact Captivation Axial (Lbs)	6.0
Cable Retention	
Axial Force (Lbs MIN)	60
Torque (In-Oz MIN)	55
Weight (Grams)	TBD

ENVIRONMENTAL
Temperature Rating -65°C 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 B
Moisture Resistance MIL-STD-202, Method 106
Corrosion - MIL-STD-202, Method 101, Condition B

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

COMPONENT	MATERIAL	FINISH
HOUSING	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	GOLD PLATE PER MIL-G-45204
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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCE ON
FRAC. ± 1/64 DEC. ±.005 ANGLES ± 1°

DRAWN BY TIM WAGNER DATE 12/16/98
CHECKED BY
APP'D BY TIM WAGNER 3/11/99

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USE ASS'Y PROCEDURE

408-04857
NO. A.P. (20-709)

AMP
AMP Incorporated
140 Fourth Avenue
Waltham, MA 02451-7599

TITLE OSM STRAIGHT CABLE JACK - DIRECT SOLDER ATTACHMENT CAPTURED CENTER CONTACT

SIZE	CODE IDENT NO.		REV
B	26805	2002-5155-00	01_1
SCALE 5:1			SHEET 1 OF 1

CUSTOMER DRAWING

AMP PART # 1329599-1
SHEET 1 OF 1 REV A