



DESIGNED FOR USE WITH	.141 SR CABLE
CABLE ENTRY DIAMETER MINIMUM	
HOUSING	.144
CONTACT	.037

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
01 0	RELEASED	8/2/95	<i>D. Comello</i>

DESIGN CONTROL REQUIRED

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) 50	Interface Dimensions MIL-STD-348A, Fig. 304.1	Temperature Rating -65°C TO +125°C
Frequency Range (GHz) DC to 18	Recommended Mating Torque 12 - 15 LBS	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX) @ Sea Level 599	Force to Engage and Disengage (In/Lbs MAX) 6.0	Shock MIL-STD-202, Method 213, Condition I
VSWR 1.06 + .007 fGHz	Cable Retention Axial Force (Lbs) 60	Thermal Shock MIL-STD-202, Method 107, Condition B, Except High Temp 200°C
Insertion Loss (dB MAX) .05 √ fGHz	Torque (In/Oz) 55	Moisture Resistance MIL-STD-202, Method 106, Except Step 7b (Vibration) Shall Be Omitted
RF Leakage (dB MIN) -(90 -f(GHz))	Weight (Grams) TBD	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Corona, 70,000 Ft (VRMS MIN) 500		
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level 2500		
Contact Resistance (Milliohms MAX)		
Center Contact 1.5		
Outer Contact 2.0		
Cable to Housing 2.0		
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) 1500		
I.R.(Megohms MIN) 10,000		

COMPONENT	MATERIAL	FINISH
HOUSING	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	GOLD PLATE PER MIL-G-45204
COUPLING NUT	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
RETAINING RING	PHOSPHOR BRONZE PER QQ-B-750, GRADE B2	N/A

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON	DRAWN BY <i>D. Comello</i> DATE 8/2/95	AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599	
FRAC. DEC. ANGLES ± 1/64 ±.005 ± °	CHECKED BY	AMP	
These drawings and specifications are the property of M/A-COM Incorporated and shall not be reproduced or copied or used in whole or in part as the basis for the manufacture or sale of item(s) without written permission.	APPD BY <i>D. Comello</i> 8/2/95	TITLE OSN STRAIGHT CABLE PLUG DIRECT SOLDER ATTACHMENT	
	USE ASS'Y PROCEDURE	NO. AP. 408-04915 (30-001)	SIZE B CODE IDENT NO. 26805 1250-1119-00 REV 01 0
			SCALE 3:1 SHEET 1 OF 1