



DESIGNED FOR USE WITH	.141 DIA S.R. CABLE
CABLE ENTRY DIAMETER MINIMUM	
CONTACT	.039
HOUSING	.144

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
01 ₃	SEE ECN 80-0084	PC 1-29-80	TS 1/29/80
01 ₄	REDRAWN ON CAD PER ECN 88-0678	BB 9-3-91	<i>[Signature]</i> 7/23/93

HOUSING	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	GOLD PLATE PER MIL-G-45204 OVER NICKEL PLATE PER QQ-N-290
COUPLING NUT	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	PASSIVATE PER ASTM-A-380
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
RETAINING RING	BERYLLIUM COPPER PER ASTM B 194, ALLOY C17200, CONDITION H	N/A
GASKET	SILICONE RUBBER PER ZZ-R-765	N/A

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) <u>50</u>	Interface Dimensions MIL-STD-348, Fig. <u>310.1</u>	Temperature Rating <u>-65°C to 105°C</u>
Frequency Range (GHz) DC to <u>18.0</u>	Recommended Mating Torque <u>7 to 10 in-LBs</u>	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX) @ Sea Level <u>500</u>	Mating Characteristics: Insertion (MAX Lbs) <u>N/A</u>	Shock MIL-STD-202, Method 213, Condition I
VSWR <u>1.05 + .008f(GHz)</u>	Withdrawal (MIN Oz) <u>N/A</u>	Thermal Shock MIL-STD-202, Method 107, Condition B, Except High Temp 115°C
Insertion Loss (dB MAX) <u>.03 √f(GHz)</u>	Force to Engage and Disengage (In/Lbs MAX) <u>2.0</u>	Moisture Resistance MIL-STD-202, Method 106,
RF Leakage (dB MIN) <u>-(90-f(GHz))</u>	Center Contact Captivation Axial (Lbs) <u>N/A</u>	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Corona, 70,000 Ft (VRMS MIN) <u>375</u>	Radial (In/Oz) <u>N/A</u>	
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>1000</u>	Cable Retention Axial Force (Lbs) <u>60</u>	
Contact Resistance (Milliohms MAX) Center Contact <u>3.0</u>	Torque (In/Oz) <u>55</u>	
Outer Contact <u>2.0</u>	Weight (Grams) <u>T.B.D.</u>	
Cable to Housing <u>0.5</u>		
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) <u>1000</u>		
LR.(Megohms MIN) <u>5,000</u>		

COMPONENT	MATERIAL	FINISH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON		
FRAC. DEC. ANGLES ± 1/64 ±.005 ± °		
DRAWN BY JPD DATE 8/31/76		
CHECKED BY RNF 9/7/76		
APPD BY RNF 9/13/76		
<div style="display: flex; justify-content: space-between;"> <div> <p>USE ASS'Y PROCEDURE</p> <p>NO. AP. <u>408-04764 (20-006)</u></p> </div> <div style="text-align: center;"> <p>AMP</p> </div> <div> <p>AMP Incorporated</p> <p>140 Fourth Avenue</p> <p>Waltham, MA 02451-7599</p> </div> </div>		
TITLE OSM STRAIGHT CABLE PLUG DIRECT SOLDER ATTACHMENT		
SIZE B	CODE IDENT NO. 26805	2001-5003-02
SCALE 5:1		REV 01 ₄
		SHEET 1 OF 1

CUSTOMER DRAWING

AMP PART # 1050525-1
SHEET 1 OF 1 REV A