



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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
02 <sub>2</sub>	REDRAWN NO CHANGES	9/17/81	T.SCAN
02 <sub>3</sub>	AP 20-371 WAS 20-009 PER ECN 88-0683	4/1/88	BDW 4/5/88
02 <sub>4</sub>	REVISED PER ECN 92-0045-2	MY 3/9/92	CW

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) <u>50</u>	Interface Dimensions MIL-STD-348A, Fig 310.2	Temperature Rating <u>-65°C to +105°C</u>
Frequency Range (GHz) DC to <u>18</u>	Mating Characteristics:	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX) ⊗ Sea Level <u>500</u>	Insertion (MAX Lbs) <u>3</u>	Shock MIL-STD-202, Method 213, Condition I
VSWR <u>1.05+0.005f(GHz)</u>	Withdrawal (MIN Oz) <u>1</u>	Thermal Shock MIL-STD-202, Method 107, Condition B
Insertion Loss (dB MAX) <u>.03x √f(GHz)</u>	Force to Engage & Disengage (In-Lbs MAX) <u>2</u>	Moisture Resistance MIL-STD-202, Method 106
RF Leakage (dB MIN) <u>-[90-f(GHz)]</u>	Center Contact Captivation	Corrosion - MIL-STD-202, Method 101, Condition B
Corona, 70,000 Ft (VRMS MIN) <u>375</u>	Axial (Lbs) <u>N/A</u>	
Dielectric Withstanding Voltage (VRMS MIN) ⊗ Sea Level <u>1500</u>	Cable Retention	
Contact Resistance (Milliohms MAX)	Axial Force (Lbs MIN) <u>60</u>	
Center Contact <u>3.0</u>	Torque (In-Oz MIN) <u>55</u>	
Outer Contact <u>2.0</u>	Weight (Grams) <u>TBD</u>	
Cable to Housing <u>0.5</u>		
RF High Potential ⊗ Sea Level (VRMS MIN ⊗ 5 MHz) <u>1000</u>		
I.R.(Megohms MIN) <u>10000</u>		

COMPONENT	MATERIAL	FINISH
HOUSING	STAINLESS STEEL PER ASTM-A484 AND ASTM- A582, TYPE 303	GOLD PLATE PER MIL-G-45204 OVER NICKEL PLATE PER QQ-N-290
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
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON FRAC. DEC. ANGLES ± 1/64 ±.005 ± 1°		<p>DRAWN BY D.CAM DATE 9/17/81</p> <p>CHECKED BY T.SCAN 9/17/81</p> <p>APPD BY T.SCAN 9/17/81</p> <p>USE ASS'Y PROCEDURE</p> <p>408-04767 NO. AP. (20-009)</p>
<p>AMPCORPORATED</p> <p>140 Fourth Avenue Waltham, MA 02451-7599</p>		<p>TITLE OSM STRAIGHT CABLE JACK - DIRECT SOLDER ATTACHMENT</p> <p>SIZE B CODE IDENT NO. 26805 2002-5015-00 REV 02<sub>4</sub></p> <p>SCALE 5:1 SHEET 1 OF 1</p>

CUSTOMER DRAWING

AMP PART # 1050854-1  
SHEET 1 OF 1 REV A