

			DESIGNED FOR USE WITH .141 DIA S.R. CABLE CABLE ENTRY DIAMETER MINIMUM		REVISIONS																																																
			HOUSING CONTACT		.144 .039		REV	DESCRIPTION	DATE	APPROVED																																											
					02 ₂	REDRAWN NO CHANGES	9/17/81	T.SCAN																																													
					02 ₃	AP 20-371 WAS 20-009 PER ECN 88-0683	4/1/88	BDW 4/5/88																																													
					02 ₄	REVISED PER ECN 92-0045-2	MY 3/9/92	CW																																													
<table><thead><tr><th>ELECTRICAL</th><th>MECHANICAL</th><th>ENVIRONMENTAL</th></tr></thead><tbody><tr><td>Nominal Impedance (Ohms) <u>50</u></td><td>Interface Dimensions MIL-STD-348A, Fig 310.2</td><td>Temperature Rating <u>-65°C to +105°C</u></td></tr><tr><td>Frequency Range (GHz) DC to <u>18</u></td><td>Mating Characteristics:</td><td>Vibration MIL-STD-202, Method 204, Condition D</td></tr><tr><td>Volt Rating (VRMS MAX) @ Sea Level <u>500</u></td><td>Insertion (MAX Lbs) <u>3</u></td><td>Shock MIL-STD-202, Method 213, Condition I</td></tr><tr><td>VSWR <u>1.05+0.005f(GHz)</u></td><td>Withdrawal (MIN Oz) <u>1</u></td><td>Thermal Shock MIL-STD-202, Method 107, Condition B</td></tr><tr><td>Insertion Loss (dB MAX) <u>.03x √f(GHz)</u></td><td>Force to Engage & Disengage (In-Lbs MAX) <u>2</u></td><td>Moisture Resistance MIL-STD-202, Method 106</td></tr><tr><td>RF Leakage (dB MIN) <u>-[90-f(GHz)]</u></td><td>Center Contact Captivation Axial (Lbs) <u>N/A</u></td><td>Corrosion - MIL-STD-202, Method 101, Condition B</td></tr><tr><td>Corona, 70,000 Ft (VRMS MIN) <u>375</u></td><td>Cable Retention Axial Force (Lbs MIN) <u>60</u></td><td></td></tr><tr><td>Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>1500</u></td><td>Torque (In-Oz MIN) <u>55</u></td><td></td></tr><tr><td>Contact Resistance (Milliohms MAX)</td><td>Weight (Grams) <u>TBD</u></td><td></td></tr><tr><td> Center Contact <u>3.0</u></td><td></td><td></td></tr><tr><td> Outer Contact <u>2.0</u></td><td></td><td></td></tr><tr><td> Cable to Housing <u>0.5</u></td><td></td><td></td></tr><tr><td>RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) <u>1000</u></td><td></td><td></td></tr><tr><td>I.R.(Megohms MIN) <u>10000</u></td><td></td><td></td></tr></tbody></table>			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 Axial (Lbs) <u>N/A</u>	Corrosion - MIL-STD-202, Method 101, Condition B	Corona, 70,000 Ft (VRMS MIN) <u>375</u>	Cable Retention Axial Force (Lbs MIN) <u>60</u>		Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>1500</u>	Torque (In-Oz MIN) <u>55</u>		Contact Resistance (Milliohms MAX)	Weight (Grams) <u>TBD</u>		Center Contact <u>3.0</u>			Outer Contact <u>2.0</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>			HOUSING DIELECTRIC CENTER CONTACT		STAINLESS STEEL PER ASTM-A484 AND ASTM- A582, TYPE 303 TFE FLUOROCARBON PER ASTM-D-1457 BERYLLIUM COPPER PER ASTM B 196, ALLOY C17300, CONDITION H		GOLD PLATE PER MIL-G-45204 OVER NICKEL PLATE PER QQ-N-290 N/A GOLD PLATE PER MIL-G-45204 OVER COPPER PLATE PER MIL-C-14550	
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			COMPONENT		MATERIAL		FINISH																																														
			UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON FRAC. DEC. ANGLES ± 1/64 ±.005 ± 1°		DRAWN BY D.CAM DATE 9/17/81 CHECKED BY T.SCAN 9/17/81 APPD BY T.SCAN 9/17/81		AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599																																														
			These drawings and specifications are the property of Omni Spectra 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.		USE ASS'Y PROCEDURE 408-04767 NO. AP. (20-009)		TITLE OSM STRAIGHT CABLE JACK - DIRECT SOLDER ATTACHMENT																																														
					SIZE B		CODE IDENT NO. 26805																																														
					SCALE 5:1		2002-5015-00																																														
							REV 02 ₄																																														
							SHEET 1 OF 1																																														