



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REDRAWN	12-15-88	DAC
01 ₁	REDRAWN IN CAD	BB 5-23-90	M.Y.
01 ₂	VSWR: N/A WAS 335. RF LEAKAGE: 90 WAS 012. CONT. RESIS., CTR & OUTER 4.0 WAS 2.0. FORCE TO ENGAGE: 2 WAS 7. ECN 90-0701	CKM 10-30-90	KCM

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) <u>50 ±1</u>	Interface Dimensions See Catalogue	Temperature Rating <u>-55° to +125°C</u>
Frequency Range (GHz) DC to <u>50</u>	Mating Characteristics:	Vibration MIL-STD-202, Method 204, Condition D, 20Gs
Volt Rating (VRMS MAX)	Insertion (MAX Lbs) <u>2</u>	Shock MIL-STD-202, Method 213, Condition I, 100Gs
Sea Level <u>N/A</u>	Withdrawal (MIN Oz) <u>1</u>	Thermal Shock MIL-STD-202, Method 107, Condition B
VSWR DC to 18 GHz : <u>1.11MAX</u>	Force to Engage (In/Lbs MAX) <u>2</u>	Molded Resistance MIL-STD-202, Method 106
18 to 26.5 GHz : <u>1.19MAX</u>	Center Contact Captivation	Corrosion - MIL-STD-202, Method 101, Condition B
26.5 to 50 GHz : <u>1.29MAX</u>	Axial (Lbs) <u>4</u>	
Insertion Loss (dB MAX) <u>.07x√f(GHz)</u>		
RF Leakage (dB MIN) (Interface Only, Fully Mated) <u>-90-f(GHz)</u>		
Carana, 70,000 Ft (VRMS MIN) <u>150</u>		
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>500</u>		
Contact Resistance (Milliohms MAX)		
Center Contact <u>4.0</u>		
Outer Contact <u>4.0</u>		
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) <u>600</u>		
IR.(Megohms MIN) <u>5000</u>		

COMPONENT	MATERIAL	FINISH									
HOUSING BUSHING	STAINLESS STEEL PER ASTM-A484 AND ASTM- A582, TYPE 303	PASSIVATE PER ASTM-A380									
DIELECTRIC	TFE FLUOROCARBON PER ASTM-D-1457, MIL-P-19468, AND FED. SPEC L-P-403	N/A									
CENTER CONTACT	BERYLLIUM COPPER PER ASTM-B196, ALLOY 173	GOLD PLATE PER MIL-G-45204 OVER COPPER PLATE PER MIL-C-14550									
<table border="1"> <tr> <td>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON FRAC. DEC. ANGLES ± 1/64 ±.005 ± °</td> <td> DRAWN BY DAC DESIGNED BY DAC CHECKED BY S.M. DATE 12-05-88 01-02-89 01-03-89 </td> <td> AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599 </td> </tr> <tr> <td colspan="3"> TITLE OS-50 JACK TO JACK ADAPTER </td> </tr> <tr> <td> USE ASS'Y PROCEDURE NO. AP. <u>N/A</u> </td> <td> SIZE B CODE IDENT NO. 26805 SCALE 5:1 </td> <td> PART NO. 8580-0000-02 REV 01₂ SHEET 1 OF 1 </td> </tr> </table>			UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON FRAC. DEC. ANGLES ± 1/64 ±.005 ± °	DRAWN BY DAC DESIGNED BY DAC CHECKED BY S.M. DATE 12-05-88 01-02-89 01-03-89	AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599	TITLE OS-50 JACK TO JACK ADAPTER			USE ASS'Y PROCEDURE NO. AP. <u>N/A</u>	SIZE B CODE IDENT NO. 26805 SCALE 5:1	PART NO. 8580-0000-02 REV 01 ₂ SHEET 1 OF 1
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CUSTOMER DRAWING

AMP PART # 1063380-1
SHEET 1 OF 1 REV A