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LOC	DIST	REVISIONS					
DF	X0	P	LTR	DESCRIPTION	DATE	DWN	APVD
		D		REV PER ECO-05-002598	05-05	AA	FB

COMPONENT	MATERIAL	FINISH
HOUSING BUSHING	STAINLESS STEEL PER ASTM-A-484 OR ASTM-A-582 TYPE 303	PASSIVATED PER ASTM-A-380
DIELECTRIC	TFE FLUORCARBON PER ASTM-D-1457 OR MIL-P-19468	-
CENTER CONTACT	BERYLLIUM COPPER PER ASTM-B-196 ALLOY C17300	GOLD PLATED PER ASTM-B-488 OVER NICKEL PER QQ-N-290

ENVIRONMENTAL

TEMPERATURE RATING: -55°C TO +125°C

VIBRATION: MIL-STD-202, METHOD 204, CONDITION D; 20Gs

SHOCK: MIL-STD-202, METHOD 213, CONDITION 1: 100Gs

MOISTURE RESISTANCE: MIL-STD-202, METHOD 106

CORROSION: MIL-STD-202, METHOD 101, CONDITION B.

THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B

MECHANICAL

INTERFACE DIMENSIONS: SEE CATALOG

RECOMMENDED MATING TORQUE: N/A

FORCE TO ENGAGE & DISENGAGE (IN-LBS MAX): 2.0

WEIGHT (GRAMS): TBD

MATING CHARACTERISTICS: INSERTION (MAX LBS) 2.0  
WITHDRAWAL (MIN OZ): 1.0

CABLE RETENTION: AXIAL FORCE (LBS) N/A  
TORQUE (IN-OZ): N/A

CENTER CONTACT CAPTIVATION: AXIAL (LBS): 4.0  
RADIAL (IN-OZ): N/A

ELECTRICAL

NORMAL IMPEDANCE (OHMS): 50±1

FREQUENCY RANGE (GHz): DC TO 50

VOLT RATING @ SEA LEVEL (VRMS MAX): N/A

VSWR: DC TO 18GHz: 1.11 MAX; 18 TO 25.5GHz: 1.13 MAX; 25.5 TO 50GHz: 1.29 MAX

INSERTION LOSS: (dB MAX): .07 X √f(GHz)

RF LEAKAGE (dB MIN) (INTERFACE ONLY, FULLY MATED): -[90-f(GHz)]

CORONA 70,000 FT (VRMS MIN): 150

DIELECTRIC WITHSTANDING VOLTAGE (VRMS MIN) AT SEA LEVEL: 500

I.R. (MEGOHMS MIN): 5,000

RF HIGH POTENTIAL AT SEA LEVEL (VRMS MIN @ 5 MHz): 600

CONTACT RESISTANCE (MILLIOHMS MAX):  
CENTER CONTACT: 4.0  
OUTER CONTACT: 4.0  
CABLE TO HOUSING: N/A

1083655-1  
PART NO.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C.C.THOMAS 03DEC2003	Tyco Electronics Corporation Harrisburg, PA 17105	
DIMENSIONS: INCHES		CHK R.GROSS 12-4-03	NAME OS-50 JACK TO JACK ADAPTER	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD R.GROSS 12-4-03	RESTRICTED TO	
0 PLC ± -		PRODUCT SPEC	-	
1 PLC ± -		APPLICATION SPEC	-	
2 PLC ± -		WEIGHT	-	
3 PLC ± .005 [0.13]		SCALE	A2 10:1	
4 PLC ± -		SHEET	1 OF 1	
ANGLES ± -		REV	D	
FINISH		CUSTOMER DRAWING		
SEE TABLE		SIZE CAGE CODE DRAWING NO A2 00779 C=1083655		
SEE TABLE		SCALE SHEET OF REV 10:1 1 OF 1 D		

AMP 1471-9 REV 31MAR2000