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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

M7.0 X 0.75-6g TYP

.250 ACROSS FLATS [6.35]

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			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD	R.GROSS	12-4-03	NAME		
0 PLC ± -		PRODUCT SPEC		OS-50 JACK TO JACK ADAPTER			
1 PLC ± -		APPLICATION SPEC		-			
2 PLC ± -		WEIGHT		-			
3 PLC ± .005 [0.13]		SIZE		CAGE CODE		DRAWING NO	
4 PLC ± -		MATERIAL		A2		00779	
ANGLES ± -		FINISH		C=1083655		RESTRICTED TO	
SEE TABLE		SEE TABLE		SCALE		SHEET	
		CUSTOMER DRAWING		10:1		1 OF 1	
						REV D	

AMP 1471-9 REV 31MAR2000