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LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
DF	XO	REV PER 063D-0113-02 DBK	10-02	CT	-

COMPONENT	MATERIAL	FINISH
HOUSING	STAINLESS STEEL PER ASTM-A-484 OR ASTM-A-582 TYPE 303	PASSIVATED PER QQ-P-35
DIELECTRIC	PTFE FLUORCARBON PER ASTM-D-1457	-
CENTER CONTACT	BERYLLIUM COPPER PER ASTM-B-196 OR ASTM-B-197 ALLOY C17300, CONDITION H	GOLD PLATED PER ASTM-B-488
"O"-RING	FLUORSILICONE PER MIL-R-25988	-
EMI "O"-RING	CONDUCTIVE SILVER FILLED FLUORSILICONE MIL-G-83528 TYPE F	-

**ENVIRONMENTAL**

TEMPERATURE RATING: -65°C TO +105°C  
 VIBRATION: MIL-STD-202, METHOD 204, CONDITION D  
 SHOCK: MIL-STD-202, METHOD 213, CONDITION 1  
 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: MIL-STD-348A FIG. 321-1  
 RECOMMENDED MATING TORQUE: NA  
 FORCE TO ENGAGE & DISENGAGE (IN-LBS MAX): 3.0 AND 1.5  
 WEIGHT (GRAMS): TBD  
 MATING CHARACTERISTICS: INSERTION (MAX LBS): 3.0  
 WITHDRAWAL (MIN OZ): 0.5  
 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 28  
 VOLT RATING @ SEA LEVEL (VRMS MAX): 335  
 VSWR: 1.07+.01f (GHz)  
 INSERTION LOSS: (dB MAX): 0.5x √f (GHz)  
 RF LEAKAGE (dB MIN): -(90-f (GHz)) (INTERFACE ONLY FULLY MATED)  
 CORONA 70,000 FT (VRMS MIN): 250  
 DIELECTRIC WITHSTANDING VOLTAGE (VRMS MIN) AT SEA LEVEL: 675  
 I.R. (MEGOHMS MIN): 5000  
 RF HIGH POTENTIAL AT SEA LEVEL (VRMS MIN @ 5 MHz): 675  
 CONTACT RESISTANCE (MILLIOHMS MAX):  
 CENTER CONTACT: 6.0  
 OUTER CONTACT: 3.0  
 CABLE TO HOUSING: N/A

1218899-1

PART NO.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	C.C. THOMAS	3-9-01
DIMENSIONS:		CHK	R. GROSS	3-9-01
INCHES [mm]		APVD	R. GROSS	3-9-01
		PRODUCT SPEC	NAME	
0 PLC ±- 1 PLC ±- 2 PLC ±- 3 PLC ±.005 [0.13] 4 PLC ±- ANGLES ±-		APPLICATION SPEC	O5SP PLUG RECEPTACLE, RF	
MATERIAL		WEIGHT	SIZE CAGE CODE DRAWING NO	
SEE TABLE		SEE TABLE	A2 00779 C- 1218899	
FINISH		CUSTOMER DRAWING	REF: 4757-5038-02	RESTRICTED TO
SEE TABLE		SCALE	15:1	SHEET 1 OF 1

AMP 1471-9 REV 11JUN97

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