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LOC	DIST	REVISIONS					
DF	X0	P	LTR	DESCRIPTION	DATE	DWN	APVD
		0		PROPOSAL DRAWING	4-02	CT	RG

COMPONENT	MATERIAL	FINISH
HOUSING CLAMP NUT	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
COLLAR	BRASS PER ASTM-B-16 1/2 HARD	GOLD PLATED PER ASTM-B-488

ENVIRONMENTAL

TEMPERATURE RATING: -65°C TO +165°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. 5% SALT SPRAY  
 THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B

MECHANICAL

INTERFACE DIMENSIONS: MIL-STD-348A FIG. 310.2  
 RECOMMENDED MATING TORQUE: 7 - 10 IN-LBS  
 FORCE TO ENGAGE & DISENGAGE (IN-LBS MAX): 2.0  
 WEIGHT (GRAMS): TBD

MATING CHARACTERISTICS:

INSERTION (MAX LBS)	3.0
WITHDRAWAL (MIN OZ)	1.0

CABLE RETENTION:

AXIAL FORCE (LBS)	20.0
TORQUE (IN-OZ)	N/A

CENTER CONTACT CAPTIVATION:

AXIAL (LBS)	6.0
RADIAL (IN-OZ)	N/A

ELECTRICAL

NORMAL IMPEDANCE (OHMS): 50  
 FREQUENCY RANGE (GHz): DC TO MAX OPERATING FREQUENCY OF CABLE PER MIL-C-17  
 VOLT RATING @ SEA LEVEL (VRMS MAX): 250  
 VSWR: 1.15+.02f(GHz)  
 INSERTION LOSS: (dB MAX): .06  $\sqrt{f(\text{GHz})}$   
 RF LEAKAGE (dB MIN): -[60-f(GHz)]  
 CORONA 70,000 FT (VRMS MIN): 190  
 DIELECTRIC WITHSTANDING VOLTAGE (VRMS MIN) AT SEA LEVEL: 750  
 I.R. (MEGOHMS MIN): 10,000  
 RF HIGH POTENTIAL AT SEA LEVEL (VRMS MIN @ 5 MHz): 500  
 CONTACT RESISTANCE (MILLIOHMS MAX):

CENTER CONTACT:	3.0
OUTER CONTACT:	2.0
CABLE TO HOUSING:	0.5

AS RECEIVED

ASSEMBLED VIEW

DESIGNED TO USE  
RG-188U CABLE OR EQUIV.  
CABLE ENTRY  
DIAMETER MIN

DIELECTRIC:	.066 [1.68]
CONTACT:	.023 [0.58]
CLAMP NUT:	.112 [2.84]
COLLAR:	.065 [1.65]
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THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:
INCHES [mm]	
	0 PLC ± -
	1 PLC ± -
	2 PLC ± -
	3 PLC ± .005 [0.13]
	4 PLC ± -
	ANGLES ± -

MATERIAL SEE TABLE  
FINISH SEE TABLE

DWN	C.C.THOMAS	4-19-02	Tyco Electronics Corporation Harrisburg, Pa 17105-3608
CHK	R.GROSS	4-19-02	
APVD	R.GROSS	4-19-02	
PRODUCT SPEC			
APPLICATION SPEC	20-075		NAME
WEIGHT	TBD		SIZE
CUSTOMER DRAWING			CAGE CODE
			DRAWING NO
			RESTRICTED TO
			SCALE
			SHEET
			OF
			REV

1484092-1  
PART NO.

AMP 1471-9 REV 31MAR2000

MA/COM#: 2006-5218-02

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