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LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
DF	X0				
	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]

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	<p>Tyco Electronics Corporation Harrisburg, Pa 17105-3608</p>	
CHK	R.GROSS	4-19-02		
APVD	R.GROSS	4-19-02		
PRODUCT SPEC				
APPLICATION SPEC	20-075		NAME	SMA STRAIGHT CABLE JACK 4 HOLE FLANGE MOUNT CLAMP ATTACHMENT,RF
WEIGHT	TBD		SIZE	A2
CUSTOMER DRAWING			CAGE CODE	00779
			DRAWING NO	C=1484092
			RESTRICTED TO	-
			SCALE	10:1
			SHEET	1 OF 1
			REV	0

1484092-1  
PART NO.

AMP 1471-9 REV 31MAR2000

MA/COM#: 2006-5218-02

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