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COMPONENT	MATERIAL	FINISH
HOUSING —	STAINLESS STEEL PER ASTM-A-484 OR ASTM-A-582 TYPE 303	GOLD PLATED PER ASTM-B-488 —
DIELECTRIC —	PTFE FLUORCARBON PER ASTM-D-1457 —	— —
CENTER CONTACT —	BERYLLIUM COPPER PER ASTM-B-196 OR 197 ALLOY C17300, CONDITION H	GOLD PLATED PER ASTM-B-488 —
— —	— —	— —
— —	— —	— —
FERRULE —	COPPER OR BRASS ALLOY, ROCKWELL F65 MAX	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
EXCEPT HIGH TEMP 85°C

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) 2

WITHDRAWAL (MIN OZ): 1

CABLE RETENTION:

AXIAL FORCE (LBS) 30

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 12.4

VOLT RATING @ SEA LEVEL (VRMS MAX): 250

VSWR: 1.15+0.02f(GHz)

INSERTION LOSS: (dB MAX): .06 √f(GHz)

RF LEAKAGE (dB MIN): -60 @ 2-3GHz

CORONA 70,000 FT (VRMS MIN): 190

DIELECTRIC WITHSTANDING VOLTAGE (VRMS MIN) AT SEA LEVEL: 750

I.R. (MEGOHMS MIN): 5000

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

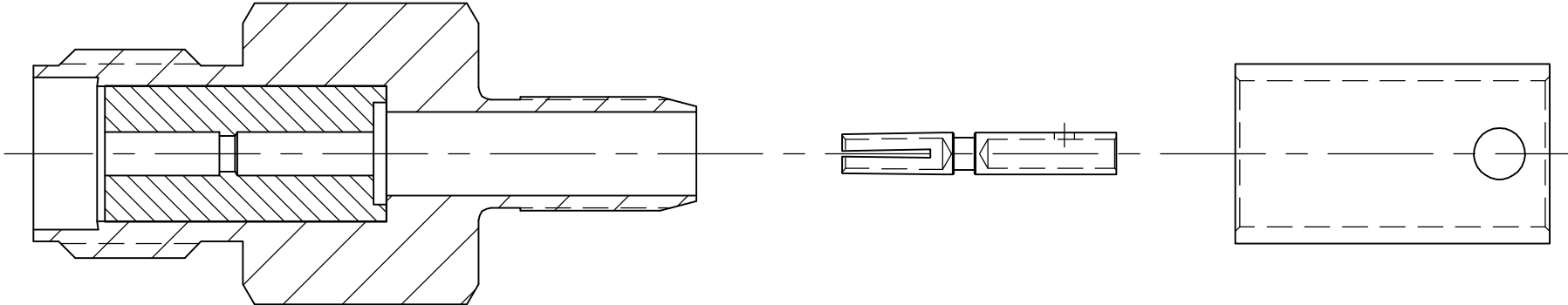
LOC
DF

DIST
X0

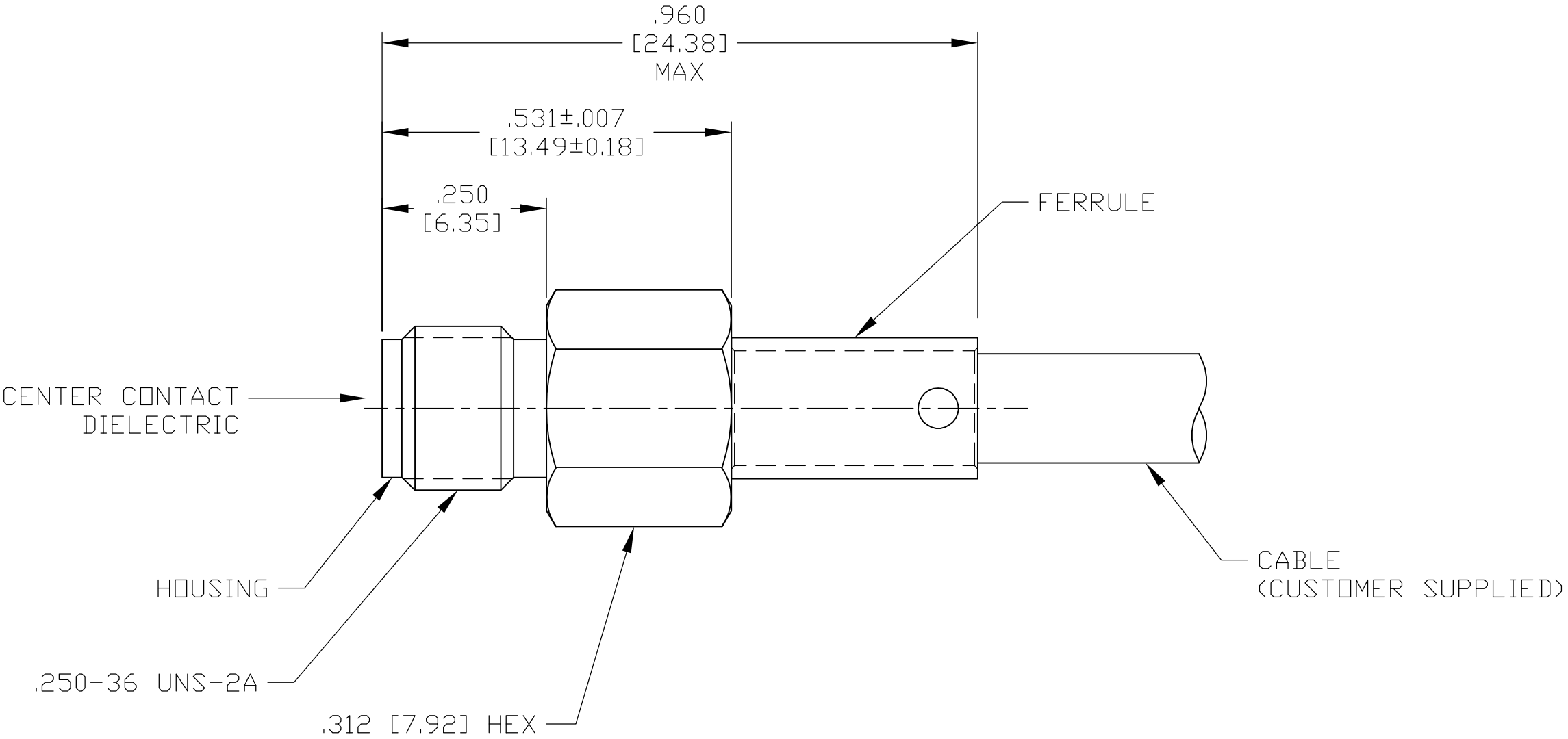
REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	REV PER 0G3D-0032-03	11-03	JMK	JL

AS SHIPPED TO CUSTOMER



ASSEMBLED VIEW



DESIGNED TO USE
RG-122/U OR EQUIVALENT

CABLE ENTRY
DIAMETER MIN

HOUSING: .099 [2.51]

CONTACT: .033 [0.84]

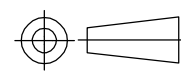
DIELECTRIC: N/A

— —

FERRULE: .172 [4.37]

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
INCHES [mm]



MATERIAL
SEE TABLE

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

0 PLC ± -

1 PLC ± -

2 PLC ± -

3 PLC ± .005 [0.13]

4 PLC ± -

ANGLES ± -

FINISH
SEE TABLE

DWN
J. KAISER
9/11/02

CHK
J.LIPPERT
10-8-02

APVD
J.LIPPERT
10-8-02

PRODUCT SPEC
—

APPLICATION SPEC
408-8742

WEIGHT
TBD

CUSTOMER DRAWING

tyco
Electronics

Tyco Electronics Corporation
Harrisburg, PA 17105

NAME
SMA STRAIGHT CABLE JACK-SOLDER ATTACHMENT
(M39012/57-3008) CAT A

—

SIZE
A2

CAGE CODE
00779

DRAWING NO
C=1051901

RESTRICTED TO
—

SCALE
5:1

SHEET
1 OF 1

REV
A

1051901-1
PART
NO.

1051901

MA/COM # 2032-8008-90

AMP 1471-9 REV 31MAR2000

J:\DEPT1733\U.DIES\john_lippert\1051908_1_c.dwg

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