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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) 40

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): 335

VSWR: 1.15+0.01f(GHz)

INSERTION LOSS: (dB MAX): .06 $\sqrt{f(\text{GHz})}$

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

CORONA 70,000 FT (VRMS MIN): 250

DIELECTRIC WITHSTANDING VOLTAGE (VRMS MIN) AT SEA LEVEL: 1000

I.R. (MEGOHMS MIN): 5000

RF HIGH POTENTIAL AT SEA LEVEL (VRMS MIN @ 5 MHz): 670

CONTACT RESISTANCE (MILLIOHMS MAX):

CENTER CONTACT: 3.0

OUTER CONTACT: 2.0

CABLE TO HOUSING: 0.5

1

REVISIONS

LOC DF

DIST X0

P

LTR

DESCRIPTION

DATE

DWN

APVD

B

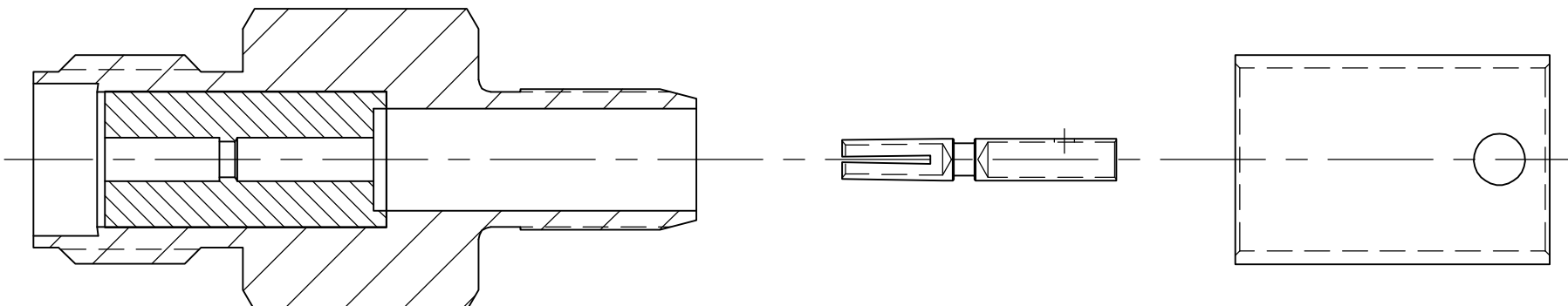
REV PER 0G3D-0032-03

11-03

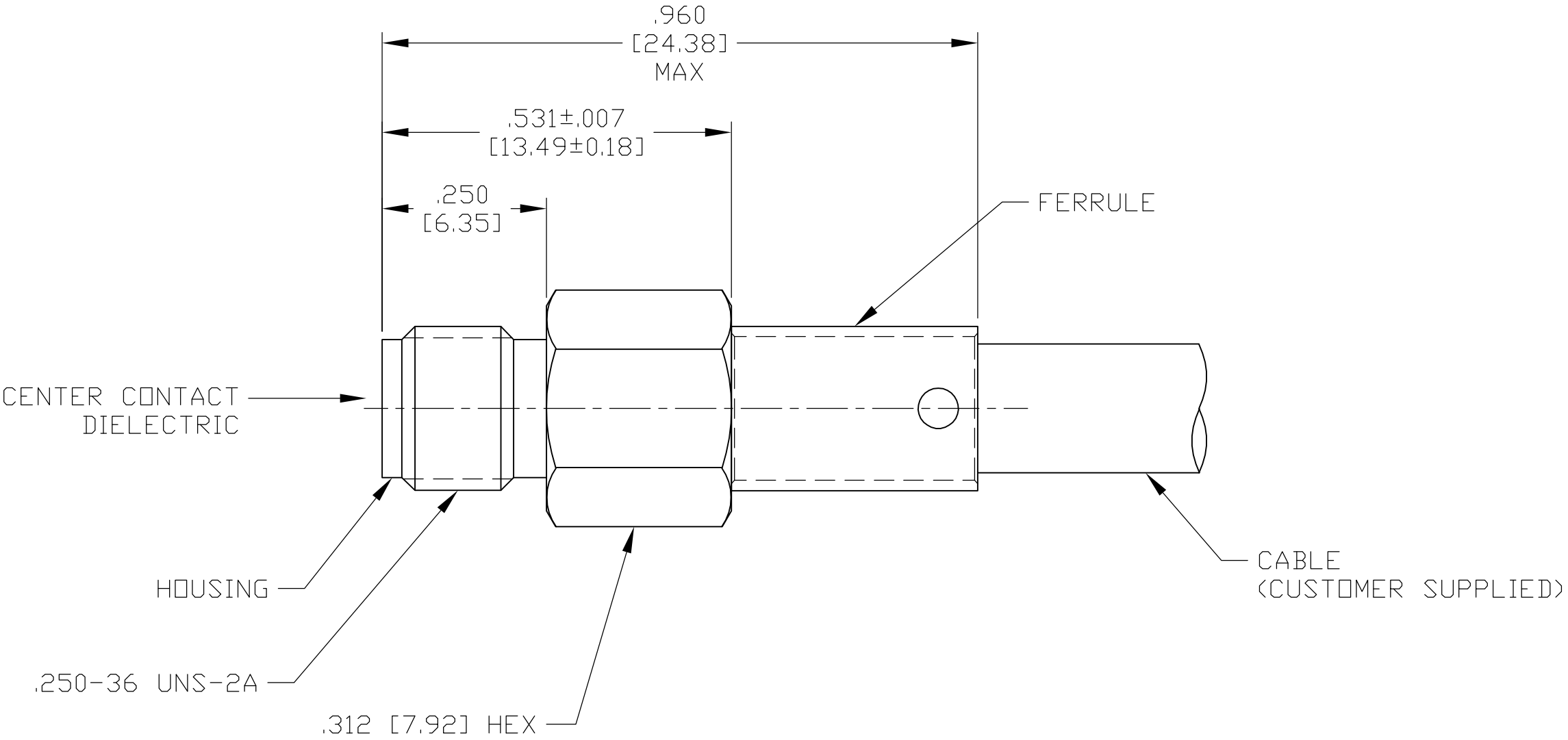
JMK

JL

AS SHIPPED TO CUSTOMER



ASSEMBLED VIEW



1051902-1

PART NO.

DESIGNED TO USE
RG-58/U OR EQUIVALENT

CABLE ENTRY
DIAMETER MIN

HOUSING: .121 [3.07]

CONTACT: .040 [1.02]

DIELECTRIC: N/A

-

FERRULE: .216 [5.49]

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
INCHES [mm]

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

0 PLC ± -

1 PLC ± -

2 PLC ± -

3 PLC ± .005 [0.13]

4 PLC ± -

ANGLES ± -

FINISH

MATERIAL
SEE TABLE

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
(M39012/57-3009) CAT A

SIZE A2

CAGE CODE 00779

DRAWING NO
C=1051902

RESTRICTED TO

SCALE 5:1

SHEET 1 OF 1

REV B

AMP 1471-9 REV 31MAR2000

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MA/COM # 2032-8009-90

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