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COMPONENT

MATERIAL

FINISH

HOUSING
JAM NUT
LOCK WASHER

STAINLESS STEEL PER
ASTM-A-484 OR ASTM-A-582
TYPE 303

PASSIVATED PER
ASTM-A-380
—

—
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
—

—
"O" RING

SILICONE RUBBER PER
A-A59588
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FERRULE

COPPER OR BRASS
ALLOY, ROCKWELL
F65 MAX

GOLD PLATED PER
ASTM-B-488
—

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—
—
—

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) 45
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

LOC

DIST

REVISIONS

DF

X0

P

LTR

DESCRIPTION

DATE

DWN

APVD

O

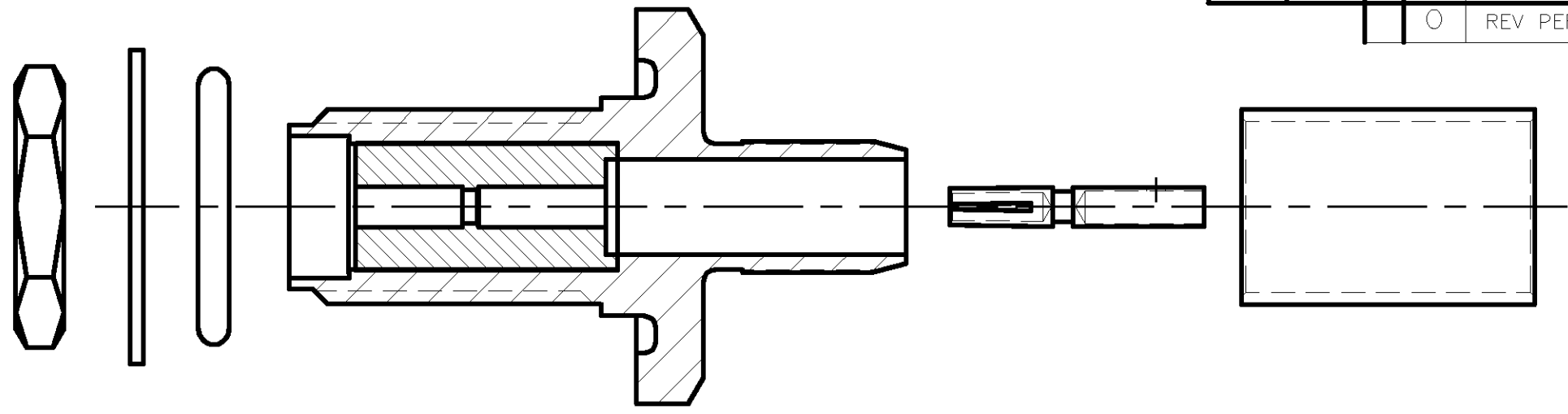
REV PER 0G3D-0445-02

10-02

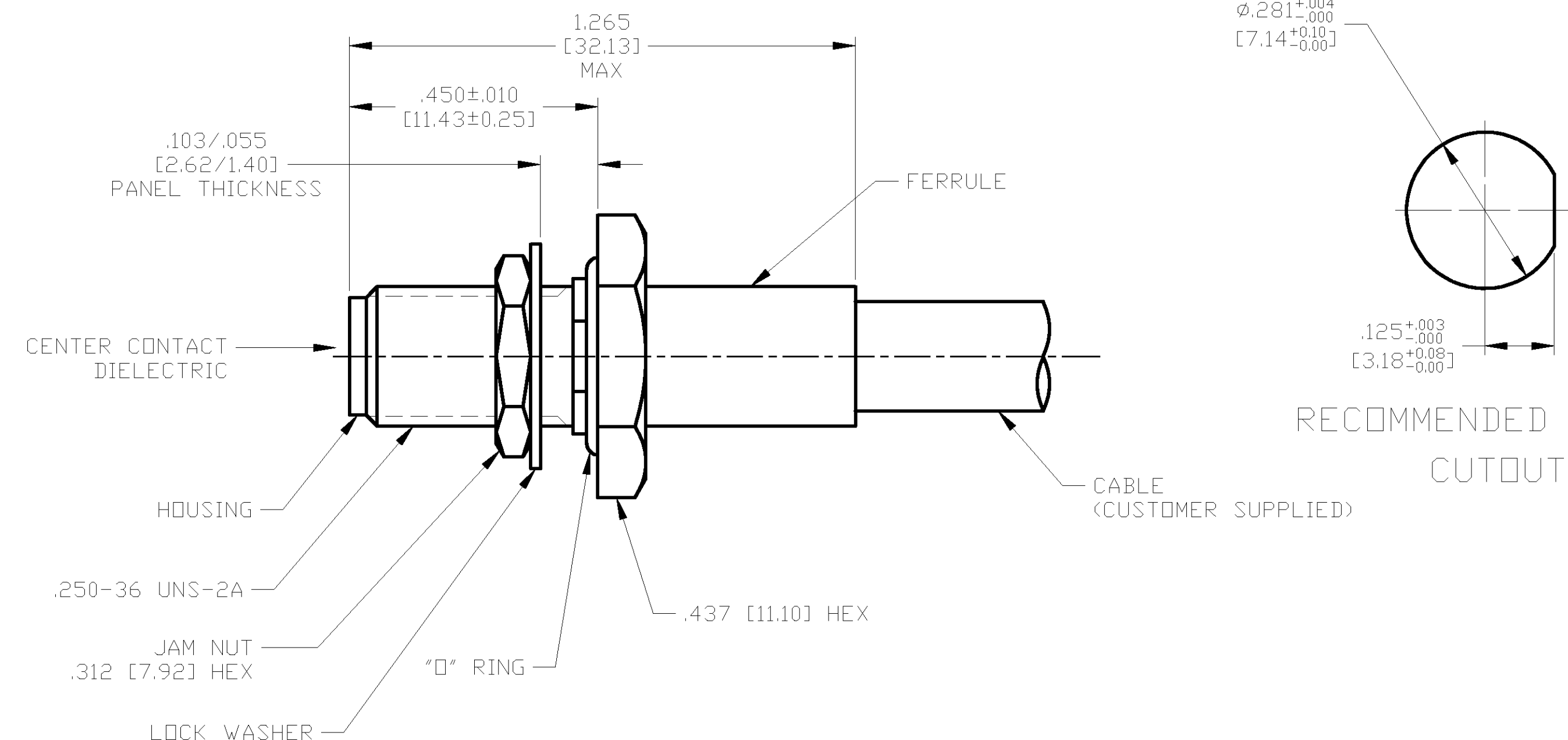
JK

JL

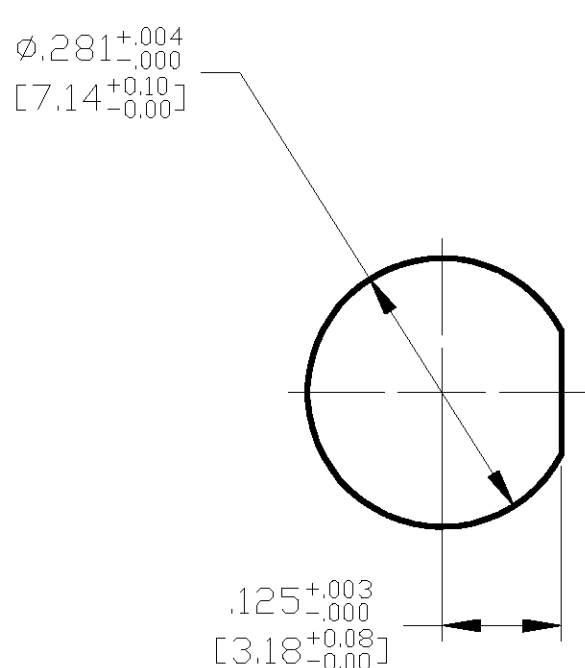
AS SHIPPED TO CUSTOMER



ASSEMBLED VIEW



RECOMMENDED PANEL CUTOUT



DESIGNED TO USE
RG-142/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 ± -

MATERIAL
SEE TABLE

FINISH
SEE TABLE

DWN
J. KAISER
9/17/02

CHK
J.LIPPERT
10-18-02

APVD
J.LIPPERT
10-18-02

PRODUCT SPEC
—

APPLICATION SPEC
408-4923

WEIGHT
TBD

CUSTOMER DRAWING

tyco
Electronics

Tyco Electronics Corporation
Harrisburg, PA 17105

NAME
SMA STRAIGHT BULKHEAD FEEDTHRU CABLE
JACK-CRIMP ATTACHMENT
(M39012/59B3022) CAT B

SIZE
A2

CAGE CODE
00779

DRAWING NO
1051989

RESTRICTED TO
—

SCALE
5:1

SHEET
1

OF
1

REV
0

1051989-1

PART
NO.

AMP 1471-9 REV 31MAR2000

J:\DEPT1733\U.DIES\john_lippert\1253627_1_c.dwg

MA/COM # 2034-8022-92

Mouser Electronics

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[1051989-1](#)