

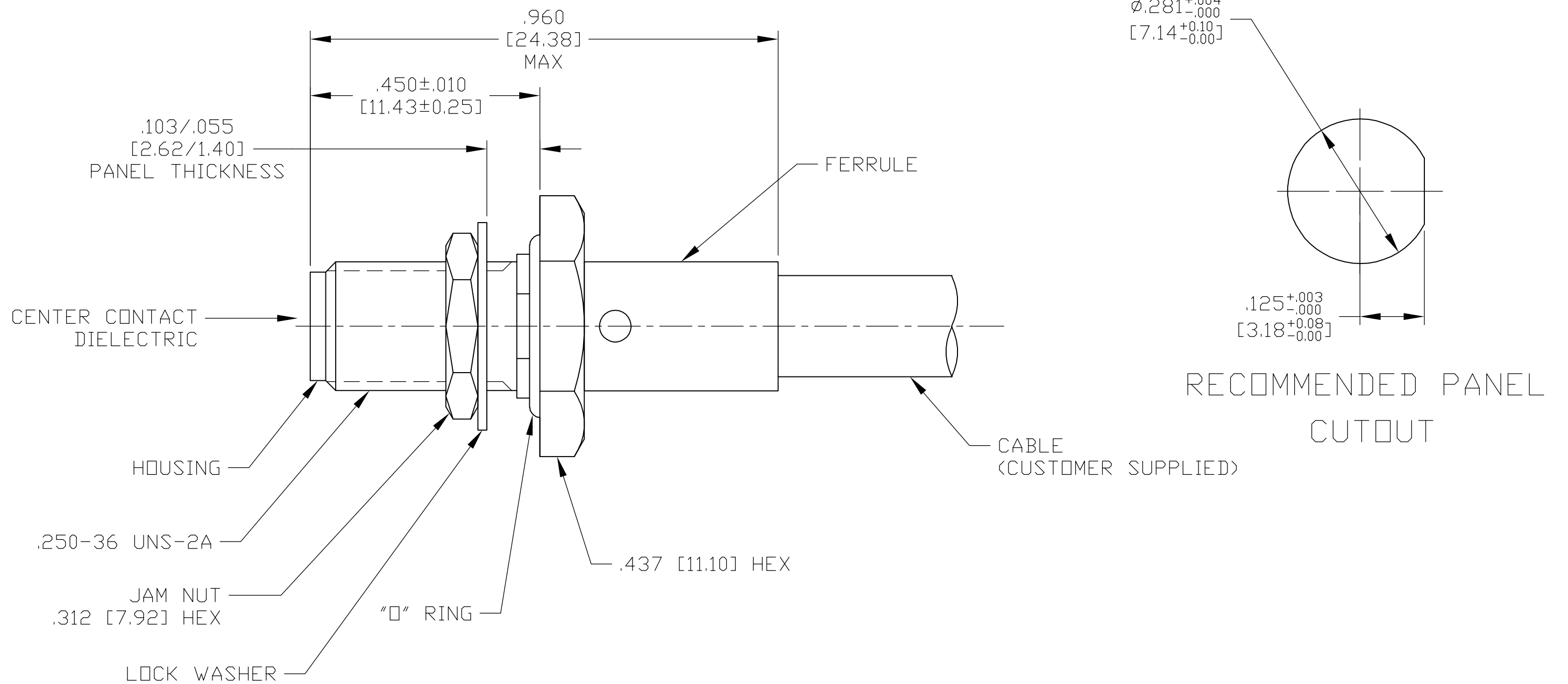
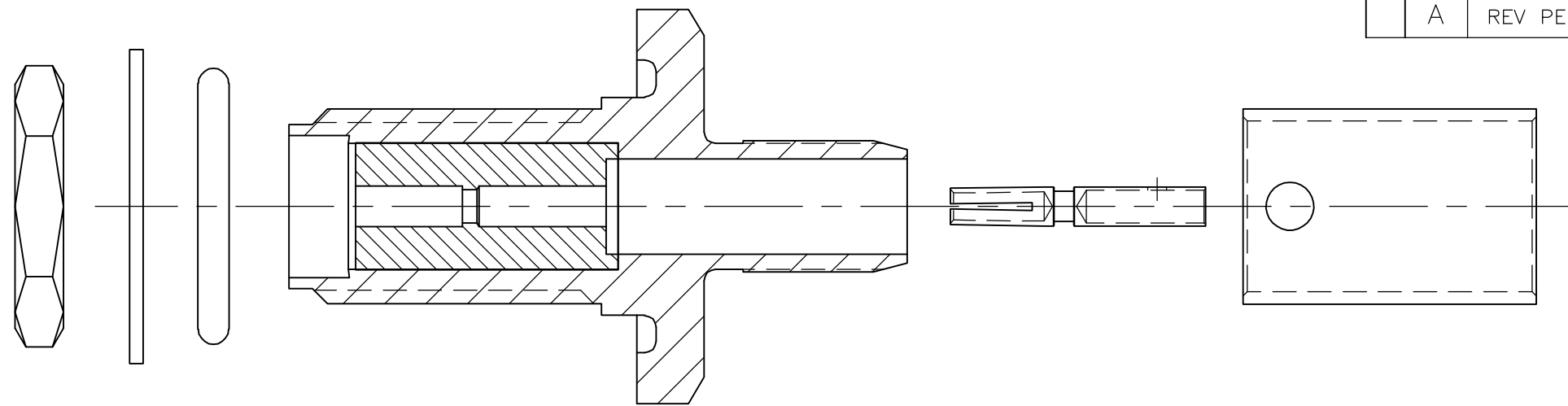
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COMPONENT	MATERIAL	FINISH
HOUSING JAM NUT LOCK WASHER	STAINLESS STEEL PER ASTM-A-484 OR ASTM-A-582 TYPE 303	GOLD PLATED PER ASTM-B-488 —
— DIELECTRIC —	PTFE FLUORCARBON PER ASTM-D-1457 —	— — —
— CENTER CONTACT —	BERYLLIUM COPPER PER ASTM-B-196 OR 197 ALLOY C17300, CONDITION H	GOLD PLATED PER ASTM-B-488 —
"O" — — RING —	SILICONE RUBBER PER A-A59588 —	— — —
— — — —	— — — —	— — — —
— 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



DESIGNED TO USE RG-303/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:		TOLERANCES UNLESS OTHERWISE SPECIFIED:
INCHES [mm]		
		0 PLC ± -
		1 PLC ± -
		2 PLC ± -
		3 PLC ± .005 [0.13]
		4 PLC ± -
		ANGLES ± -
MATERIAL		FINISH
SEE TABLE		SEE TABLE

DWN	9/17/02
J. KAISER	
CHK	10-18-02
J. LIPPERT	
APVD	10-18-02
J. LIPPERT	
PRODUCT SPEC	
—	
APPLICATION SPEC	
408-8749	
WEIGHT	TBD
CUSTOMER DRAWING	

		Tyco Electronics Corporation Harrisburg, PA 17105			
NAME SMA STRAIGHT BULKHEAD FEEDTHRU CABLE JACK-SOLDER ATTACHMENT (M39012/59-3010) CAT A					
SIZE A2	CAGE CODE 00779	DRAWING NO C-1051985			RESTRICTED TO —
		SCALE 5:1	SHEET 1 of 1	REV A	