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LOC	DIST
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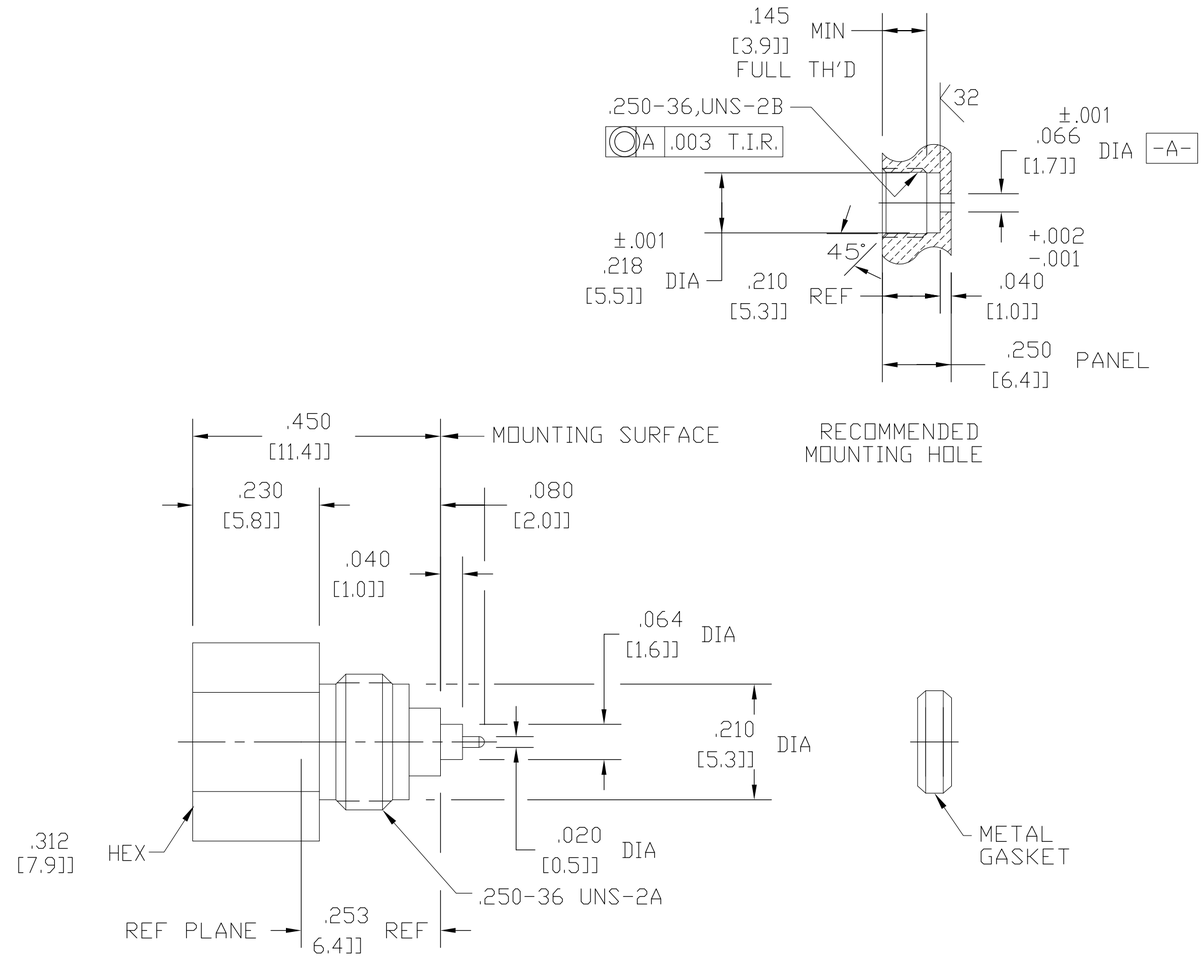
REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	RELEASED PER ECO 12-013697	7-26-12	CT	DW

COMPONENT	MATERIAL	FINISH
HOUSING BUSHING	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	PASSIVATE PER ASTM A 380
DIELECTRIC	TFE FLUOROCARBON PER ASTM D 1710	N/A
CENTER CONTACT	BERYLLIUM COPPER PER ASTM B 196	GOLD PLATE PER ASTM B 488
CONTACT RING SHIM	BERYLLIUM COPPER PER ASTM B 194	GOLD PLATE PER ASTM B 488
CONTACT SLEEVE	BERYLLIUM COPPER PER ASTM B 196, ALLOY C17300, CONDITION H	GOLD PLATE PER ASTM B 488
BUSHING CONTACT EXT	IRON-NICKEL-COBALT ALLOY PER MIL-I-23011, CLASS 1 (KOVAR)D	GOLD PLATE PER ASTM B 488
METAL GASKET	SAE C12L14 STEEL	SILVER PLATE PER ASTM B 700
GLASS SEAL	GLASS BEAD	N/A



2221386

ELECTRICAL	
Nominal Impedance (Ohms)	50
Frequency Range (GHz) DC to	18
Volt Rating (VRMS MAX)	
@ Sea Level	335
VSWR	1.04+.009f(GHz)
Insertion Loss (dB MAX)	$.05 \times \sqrt{f(GHz)}$
RF Leakage (dB MIN) (Interface Only, Fully Mated)	-(90-f(GHz))
Corona, 70,000 Ft (VRMS MIN)	335
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level	1,000
Contact Resistance (Milliohms MAX)	
Center Contact	6.0
Outer Contact	2.0
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz)	1,000
I.R.(Megohms MIN)	5,000

MECHANICAL	
Interface Dimensions per Omni Spectra Catalog	
Mating Characteristics:	
Insertion (MAX Lbs)	3
Withdrawal (MIN Oz)	1
Force to Engage (Lbs MAX)	3.0
& Disengage (Lbs MAX)	1.5
Center Contact Captivation Axial (Lbs MIN)	6.0
Weight (Grams)	TBD

ENVIRONMENTAL
TEMPERATURE RATING -65° TO +125°C
Vibration MIL-STD-202, Method 204, Condition D, 20G's
Shock MIL-STD-202, Method 213, Condition I, 100G's
Thermal Shock MIL-STD-202, Method 102, Condition C
Moisture Resistance MIL-STD-202, Method 106
Corrosion - MIL-STD-202, Method 101, Condition B
Hermetic Seal Leak Rate (@ 1 Atm) 1×10^{-8} cc/sec

2221386-1

PART NUMBER

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 C.C.THOMAS 7-26-12
CHK D.WILSON 7-26-12
APVD D.WILSON 7-26-12
PRODUCT SPEC —
APPLICATION SPEC 408-8288
WEIGHT —

TE Connectivity

NAME: OSP PANEL FEEDTHRU HERMETICALLY JACK RECEPTACLE ACCEPTS .020 DIA PIN (4558-5119-02)

SIZE A2 | CAGE CODE 00779 | DRAWING NO C-2221386 | RESTRICTED TO —

CUSTOMER DRAWING | SCALE 5:1 | SHEET 1 OF 1 | REV A

1471-9 (3/11)