

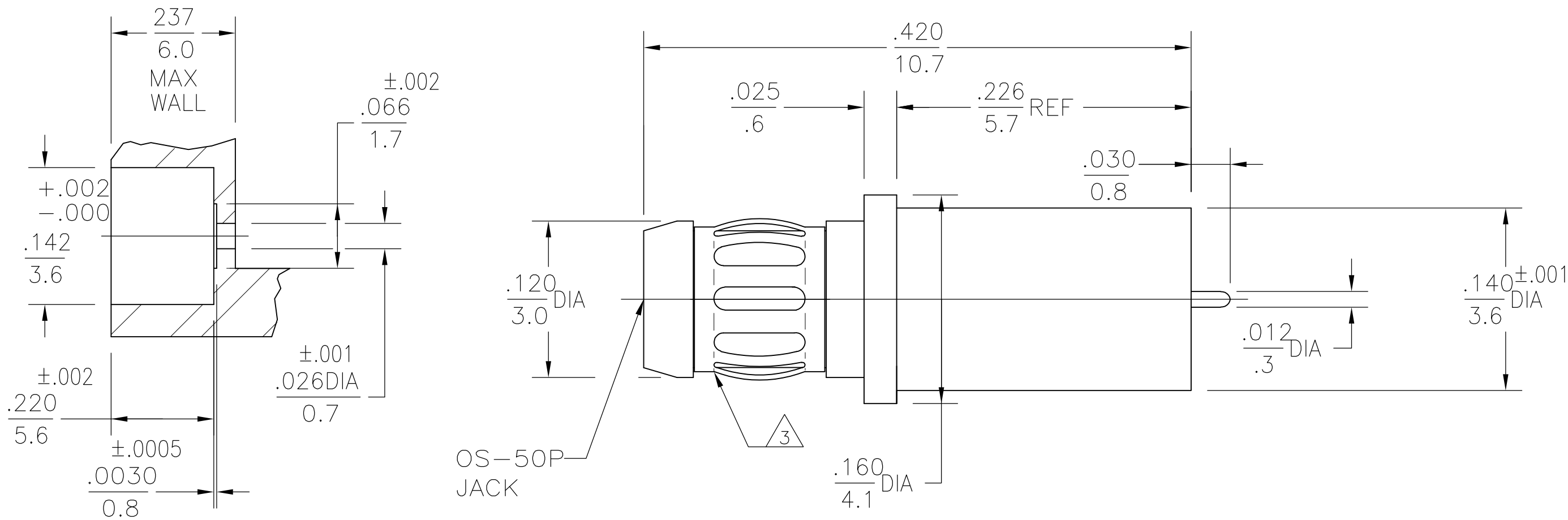
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LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
—	—		C	REV PER ECO 15-003807	23NOV10	CT	DW

- 1 CAPTURED CENTER CONTACT
- 2 SUGGESTED MICROSTRIP PARAMETERS
MATERIAL: ALUMINA .015 THICK
LINE WIDTH: .014
DIELECTRIC CONSTANT (Er): 9.8
- 3 SPRING FINGER CONTACT
PACKAGED UNASSEMBLED.



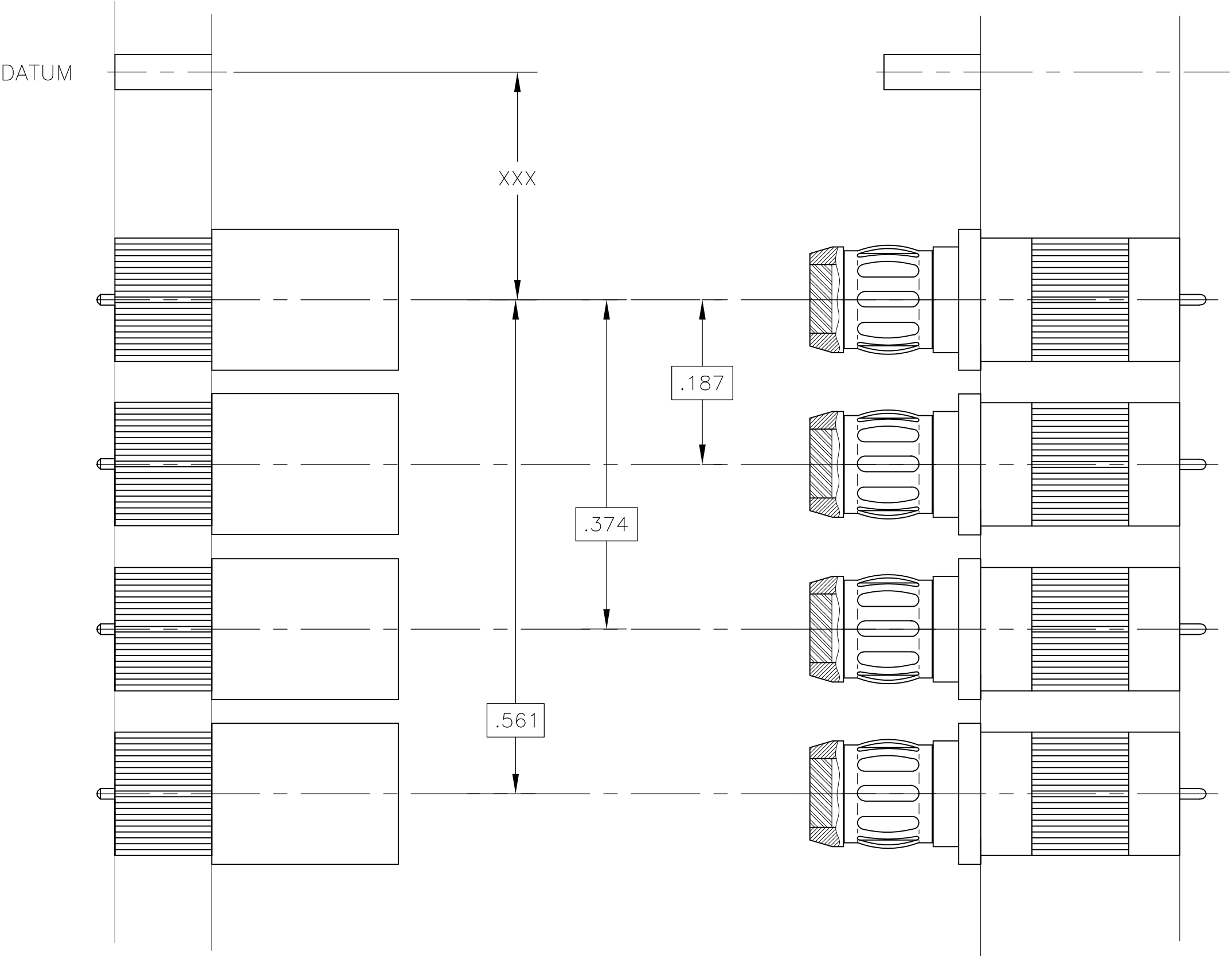
RECOMMENDED
MOUNTING HOLE

2016054-1
PART NUMBER

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) <u>50</u>	APPLICATION SPEC SEE SHEET 2	TEMPERATURE RATING <u>-55° TO 125°C</u>
Frequency Range (GHz) <u>DC - 40</u>		Vibration <u>MIL-STD-202</u> Method 204, Condition D
Voltage Rating (VRMS MIN)(@ Sea Lev.) <u>N/A</u>	Mating Characteristics: Insertion (MAX Lbs) <u>3.0</u> Withdrawal(MIN Oz) <u>0.5</u>	Shock <u>MIL-STD-202</u> Method 213, Condition I
VSWR <u>1.29</u> dc To 18.0 GHz ; 1.38 - 18.0 To 26.5 GHz ; 1.58 - 26.5 To 40.0 GHz		Thermal Shock <u>MIL-STD-202</u> Method 107, Condition B
Insertion Loss(dB MAX) <u>.040x √f(GHz)</u>	Force To Engage (Lbs MAX) <u>3.0</u>	Moisture Resistance <u>MIL-STD-202</u> Method 106
RF Leakage (dB MIN) (Interface Only Fully Mated) <u>-(90-f(GHz))</u>	Force To Disengage (Lbs MAX) <u>1.5</u>	Corrosion <u>MIL-STD-202</u> Method 101, Condition B
Corona, 70,000 Ft (VRMS MIN) <u>150</u>	Center Contact Captivation: Axial <u>4.0 Lbs MIN</u> Radial <u>N/A</u>	
D.W.V. (VRMS MIN) <u>500</u>	Cable Retention Axial Lbs <u>N/A</u>	
Contact Resistance Center Contact (Milliohms MAX) <u>6</u> Outer Contact (Milliohms MAX) <u>6</u> Cable To Housing (Milliohms MAX) <u>N/A</u>	Weight (Grams) <u>0.9</u>	
RF High Potential (VRMS MIN @ 5 MHz) <u>N/A</u>		
I.R. (Megohms Min) <u>5000</u>		

SPRING FINGER CONTACT	BERYLLIUM COPPER PER ASTM-B-194, ALLOY C7200, CONDITION H	GOLD PLATE PER MIL-G-45204
HERMETIC SEAL	GLASS BEAD	N/A
CONTACT EXT. BUSHING	IRON-NICKEL ALLOY PER MIL-I-23011, CLASS 1 (KOVAR)	GOLD PLATE PER MIL-G-45204
CENTER CONTACT	BERYLLIUM COPPER PER ASTM-B-196 OR ASTM-B-197, ALLOY C17300, CONDITION H	GOLD PLATE PER MIL-G-45204
DIELECTRIC	TFE FLUOROCARBON PER ASTM-D-1457	N/A
HOUSING	STAINLESS STEEL PER ASTM-A484 AND ASTM- A582, TYPE 303	GOLD PLATE PER MIL-G-45204
COMPONENT	MATERIAL	FINISH
THIS DRAWING IS A CONTROLLED DOCUMENT.		
DIMENSIONS: INCHES		DWN D.WALLACE 20FEB2008
TOLERANCES UNLESS OTHERWISE SPECIFIED:		CHK B.WINKLER 20FEB2008
0 PLC ± -		APVD B.WINKLER 20FEB2008
1 PLC ± -		PRODUCT SPEC
2 PLC ± -		APPLICATION SPEC
3 PLC ± .005		NAME
4 PLC ± -		SIZE CAGE CODE DRAWING NO RESTRICTED TO
ANGLES ± 1°		A2 00779 C=2016054
MATERIAL FINISH		WEIGHT -
-		CUSTOMER DRAWING SCALE 12:1 SHEET 1 of 2 REV C

LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
—	—		—	SEE SHEET 1	—	—	—



- 1
- IN USING RIGID MOUNT OS-50P CONNECTORS, THE AXIAL AND RADIAL FLOAT TOLERANCE OF THE OS -50P INTERFACE IS USED TO ACCOMMODATE MISALIGNMENT.
- WHEN MOUNTING SEVERAL OS-50P RIGID MOUNT CONNECTORS, THE RECOMMENDED SPACING BETWEEN CONNECTOR IS .187in[4.7mm]
- 2
- AXIAL:
THE OS-50P INTERFACE CAN ACCOMMODATE .005 inch AXIAL MISALIGNMENT
- 3
- RADIAL:
THE OS-50P INTERFACE CAN ACCOMMODATE ±.003 inch RADIAL MISALIGNMENT; THEREFORE, HOLE LOCATION IS $\varnothing \pm .003$ WITH THE BASIC HOLE CENTER LINE DIMENSIONED FROM THE DATUM

ALL DIMENSION ARE SHOWN IN DECIMAL INCHES

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN D.WALLACE 20FEB2008		 TE Connectivity			
DIMENSIONS: INCHES		CHK B.WINKLER 20FEB2008					
	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± .005 4 PLC ± - ANGLES ± 1°		APVD B.WINKLER 20FEB2008	NAME OS-50P JACK HERMETIC MICROSTRIP LAUNCHER -			
			PRODUCT SPEC -				
			APPLICATION SPEC -				
MATERIAL -	FINISH -		WEIGHT -	SIZE A2	CAGE CODE 00779	DRAWING NO C=2016054	RESTRICTED TO -
CUSTOMER DRAWING				SCALE 1:1	SHEET 2 of 2	REV C	