

8

7

6

5

4

3

2

1

NOTES:

1. UNITS: INCHES[mm]

2. ASSEMBLY IS ROHS COMPLIANT

3. DATUM A IS DEFINED AS REFERENCE SURFACES.

4. TABLE FOR PIN OUT IS FOR BOTH STANDARD & VACUUM VERSIONS

5. ANY MARKING ON CONNECTOR (3 OR 5 PIN), INDICATES PIN 1

(COVER & SCREWS
REMOVED FOR CLARITY)

2.00 [50.8]

1.62 [41.1]

0.81 [20.6]

1.13 [28.6]

0.19 [4.8]

2X $\sphericalangle$ ϕ 0.38 [9.7] X 82°, NEAR SIDE
 ϕ 0.16 [4.0] THRU ALL
10-32 UNF - 2B ∇ 0.50 [12.7]

1.2 [30]

0.44 [11.0]

1.06 [27.0]

0.25 [6.4]

1.13 [28.6]

2X $\sphericalangle$ ϕ 0.38 [9.7] X 82°
 ϕ 0.18 [4.4] THRU ALL

VACUUM VERSION

2.00 [50.8]

1.62 [41.1]

0.81 [20.6]

1.13 [28.6]

0.19 [4.8]

2X $\sphericalangle$ ϕ 0.38 [9.7] X 82°, NEAR SIDE
 ϕ 0.16 [4.0] THRU ALL
10-32 UNF - 2B ∇ 0.50 [12.7]

1.00 [25.4]

0.44 [11.0]

0.25 [6.4]

1.13 [28.6]

2X $\sphericalangle$ ϕ 0.38 [9.7] X 82°
 ϕ 0.18 [4.4] THRU ALL

STANDARD VERSION

5 PIN CONNECTOR

AXIS	PIN NUMBER	FUNCTION
X	1	+
	2	N/C
	3	E
	4	-
	5	N/C

AXIS	PIN NUMBER	FUNCTION
X	1	+
	2	E
	3	-

AXIS	PIN NUMBER	FUNCTION
Y	1	+
	2	N/C
	3	E
	4	-
	5	N/C

APPLICATION

USED ON	NEXT ASSY

MATERIAL

FINISH

DIMENSIONS ARE IN INCHES AND
APPLY TO PART BEFORE FINISHING

TOLERANCE UNLESS SPECIFIED

TWO PLACE DECIMALS (.00) $\pm$.01

THREE PLACE DECIMALS (.000) $\pm$.005

ANGLES $\pm$ 1°

RAW MATL - COMMERCIAL STANDARD

DRAWN GR

CHECKER LJ

APPROVED JC

DATE 10/8/2026

DATE 10/14/2026

DATE 10/14/2026

Jewell
Instruments

MANCHESTER, NH
MODUTEC A&M EMICO

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TITLE

-1150 MINIATURE TILT
SENSOR STD & VAC
OUTLINE DRAWING

DRAWING NO.

OD-81150-00 ROHS

SCALE

1.25:1

CAGE CODE

33005

SHEET 1 OF 1

REV

A

ZONE

REV.

DESCRIPTION

DATE

ECO

DRFTSPRSN

A

NEW RELEASE

10/8/2026

32095

GR

X:\ENG DESIGN\0_MD\ASSEMBLIES\81150 (MINI TILT SENSOR -1172 ROHS)