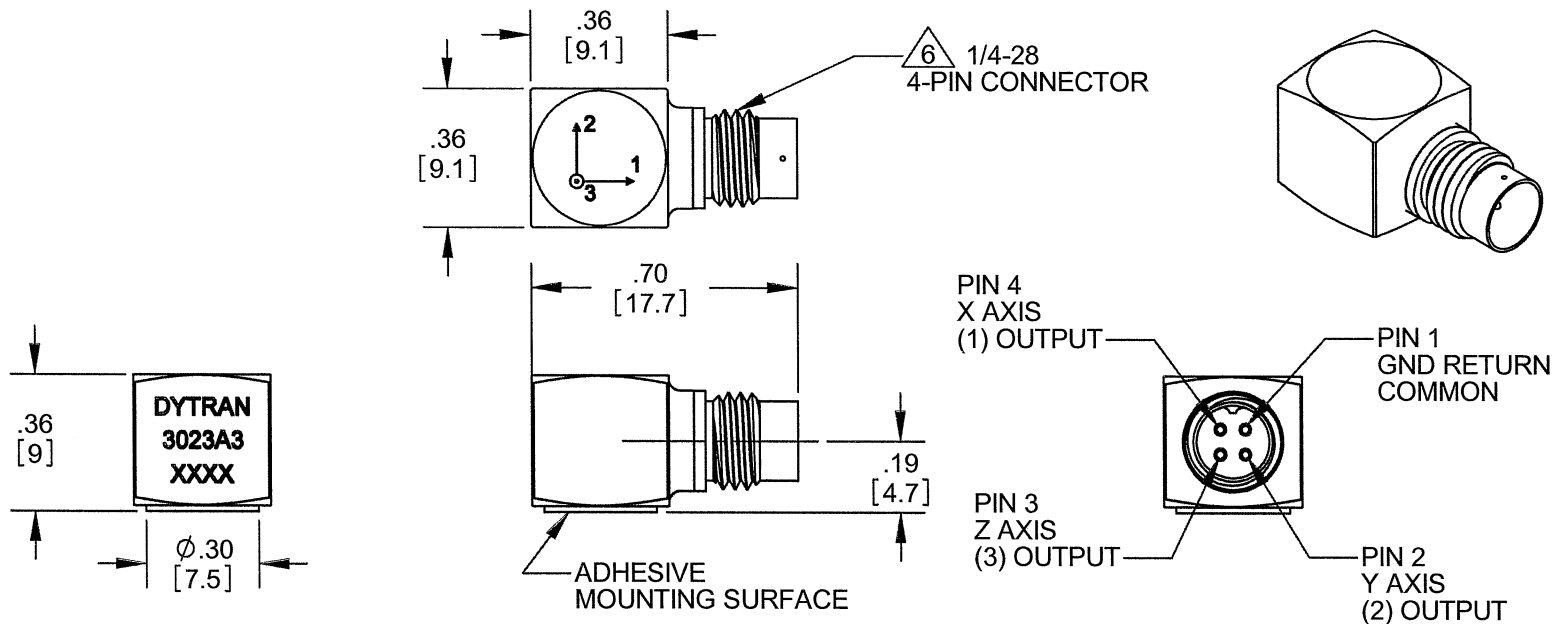


**PROPRIETARY AND CONFIDENTIAL**

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REVISIONS

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	6250	ADDED NOTE 5 & 6, REFORMATED	RA, 11/23/09	Er	JN



- △ 6 MATES WITH DYTRAN 6811AXX OR 6824AXX CABLE (XX=LENGTH IN FEET)
5. OPERATIONAL TEMPERATURE: RANGE -60° TO +250°F
  4. SENSITIVITY: 5mV/G NOM.
  3. WEIGHT: 3 GRAMS NOM
  2. ARROWS INDICATE ACCELERATION DIRECTION FOR POSITIVE OUTPUT
  1. MATERIAL: TITANIUM ALLOY

NOTES; UNLESS OTHERWISE SPECIFIED.

UNLESS OTHERWISE SPECIFIED: INTERPRET DIM & TOL PER ASME Y14.5M - 1994. REMOVE BURRS. COUNTERSINK INTERNAL THDS 90° TO MAJOR DIA. CHAM EXT THDS 45° TO MINOR DIA. THD LENGTHS AND DEPTHS ARE FOR MIN FULL THDS. THDS PER MIL-S-7742. DIMENSIONS APPLY AFTER FINISHING. ALL MACHINED SURFACES. TOTAL RUNOUT WITHIN .005. BREAK SHARP EDGES .005 TO .010. MACHINED FILLET RADII .005 TO .015. WELDING SYMBOLS PER AWS A2.4. ABBREVIATIONS PER MIL-STD-12.	
3023A3	
USED ON	NEXT ASSY
APPLICATION	
THIRD ANGLE PROJECTION USA	

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS TOLERANCES ARE: INCHES METRIC ANGLES .XX ± .03 X ± 0.8 ± 1° .XXX ± .010 .XX ± 0.25	
MATERIAL	
FINISH	
DO NOT SCALE DRAWING	

CONTRACT NO.		
APPROVALS		DATE
ORIG	PML	06/20/05
CHK	PML	06/20/05
APP	PML	06/20/05
APP		

**DYTRAN INSTRUMENTS, INC.** **MASTER**  
ONLY IF IN RED

TITLE: **OUTLINE/INSTALLATION DRAWING, MODEL 3023A3**

SIZE	CAGE CODE	DWG. NO.	REV
<b>A</b>	<b>2W033</b>	<b>127-3023A3</b>	<b>A</b>
SCALE: 2:1	SOLIDWORKS	SHEET 1 OF 1	



**SPECIFICATIONS, MODEL 3023A3 TRIAXIAL ACCELEROMETER**

<b>SPECIFICATIONS</b>	<b>VALUE</b>	<b>UNITS</b>
<b>PHYSICAL</b>		
WEIGHT	3.0	GRAMS
SIZE (HEIGHT x WIDTH x DEPTH)	0.36 x .36 x .36	INCHES
MOUNTING	ADHESIVE MOUNT	
CONNECTOR	4-PIN [1]	
MATERIAL, HOUSING/CONNECTOR	TITANIUM ALLOY	
<b>PERFORMANCE</b>		
SENSITIVITY, -10 +15% [2]	5.0	mV/g
RANGE, F.S. (each axis)	+/- 1000	g
FREQUENCY RESPONSE, -5 / +15%	1.5 to 10000	Hz
ELEMENT NATURAL FREQUENCY, NOM.	40	kHz
EQUIVALENT ELECTRICAL NOISE	.0095	g, RMS
LINEARITY [3]	1	%F.S.
TRANSVERSE SENSITIVITY, MAX,	5	%
SIGNAL POLARITY	POSITIVE FOR MOTION IN DIRECTION OF ARROWS ON HOUSING	
<b>ENVIRONMENTAL</b>		
MAXIMUM VIBRATION	+/- 600	G
MAXIMUM SHOCK	5000	G
TEMPERATURE RANGE	-60 to +250	°F
ENVIRONMENTAL SEAL	HERMETIC	
COEFFICIENT OF THERMAL SENSITIVITY	.03	%/°F
<b>ELECTRICAL</b>		
SUPPLY CURRENT RANGE, (each axis) [4]	2-to 20	mA
COMPLIANCE (SUPPLY) VOLTAGE RANGE (each axis)	+18 to +30	VDC
OUTPUT IMPEDANCE, TYP.	100	OHMS
OUTPUT BIAS VOLTAGE, NOM.	+10	VDC
DISCHARGE TIME CONSTANT, NOM.	0.5	SEC
GROUND ISOLATION	CASE GROUNDED	

[1] Connector mates with Dytran cable assy. Model 6811Axx. (xx = length in feet)

[2] Reference sensitivity measured at 100 Hz, 1 g RMS per ISA RP 37.2

[3] Linearity is % of specified full scale (or any lesser full scale range), zero-based best fit straight line method.

[4] Power only with Dytran LIVM power unit or other Dytran-compatible constant current type power unit. If power is applied without current limiting protection, the internal amplifier will be immediately destroyed.