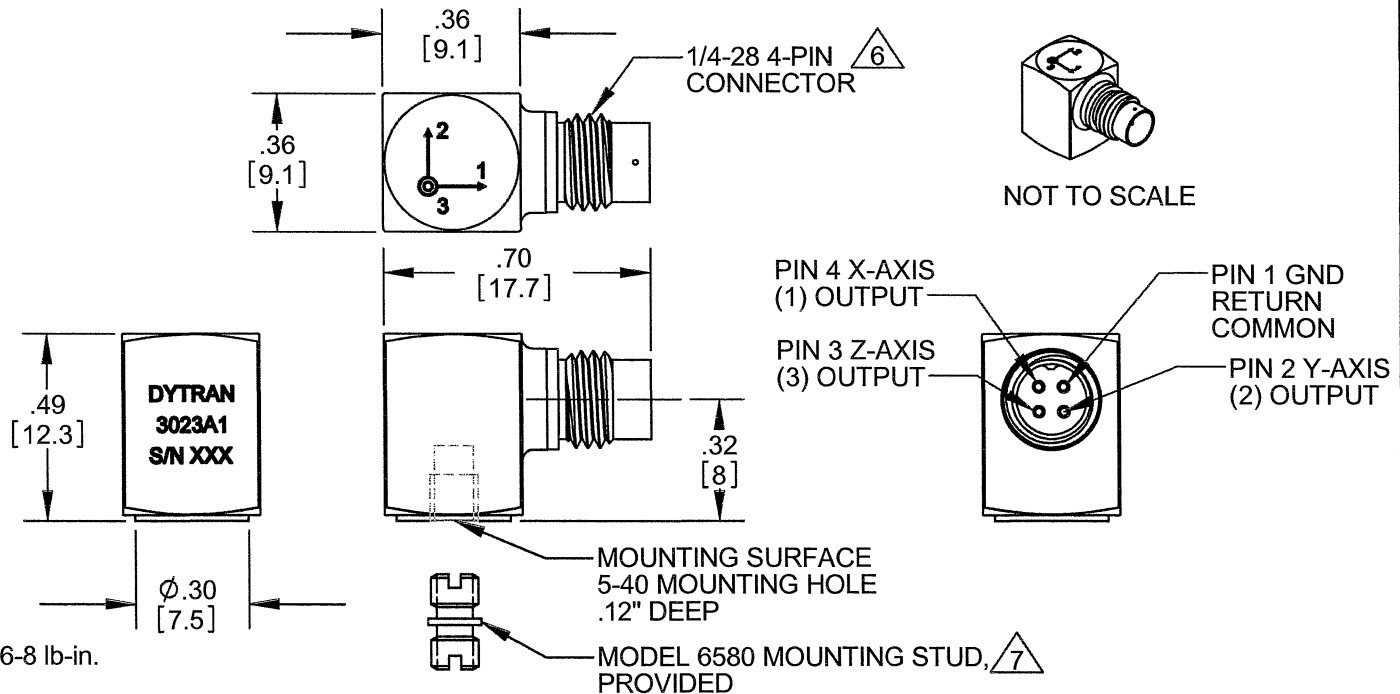


<b>PROPRIETARY AND CONFIDENTIAL</b>		REVISIONS					
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		A	6250	ADDED NOTES 5, 6, & 7, REFORMATTED	RA, 12/04/09	ey	



**7** RECOMMENDED MOUNTING TORQUE 6-8 lb-in.

**6** MATES WITH DYTRAN 6811AXX OR 6824AXX CABLE (XX=LENGTH IN FEET)

5. OPERATIONAL TEMPERATURE: RANGE -60° TO +250°F
4. SENSITIVITY: 5mV/G NOMINAL
3. WEIGHT: 4 GRAMS NOM
2. ARROWS INDICATE ACCELERATION DIRECTION FOR POSITIVE OUTPUT
1. MATERIAL: TITANIUM ALLOY

NOTES: UNLESS OTHERWISE SPECIFIED.

**MOUNTING RECOMMENDATIONS:**  
 PREPARE SURFACE AT LEAST  $\phi .30$  [7.5]  
 SURFACE FLATNESS MUST BE EQUAL OR BETTER THAN .001 TIR. TAP 5-40 UNC-2B  $\nabla$  .120 MIN

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.	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
USED ON	NEXT ASSY
APPLICATION	
THIRD ANGLE PROJECTION USA	

MATERIAL	DO NOT SCALE DRAWING	
FINISH		

CONTRACT NO.		
APPROVALS		DATE
ORIG	PML	8/18/2005
CHK	PML	8/18/2005
APP	PML	8/18/05
APP		

Chatsworth, CA

# MASTER ONLY IF IN RED

TITLE: **OUTLINE/INSTALLATION DRAWING, MODEL 3023A4**

SIZE <b>A</b>	CAGE CODE <b>2W033</b>	DWG. NO. <b>127-3023A4</b>	REV <b>A</b>
SCALE: NONE		SOLIDWORKS	SHEET 1 OF 1



## SPECIFICATIONS, MODEL 3023A4 TRIAXIAL ACCELEROMETER

SPECIFICATIONS	VALUE	UNITS
<b>PHYSICAL</b>		
WEIGHT	4	GRAMS
SIZE (HEIGHT x WIDTH x DEPTH)	0.49 x .36 x .36	INCHES
MOUNTING	5-40 TAPPED HOLE IN BASE	
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	+/- 1000	g pk
MAXIMUM SHOCK	5000	g pk
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.	0.3	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.