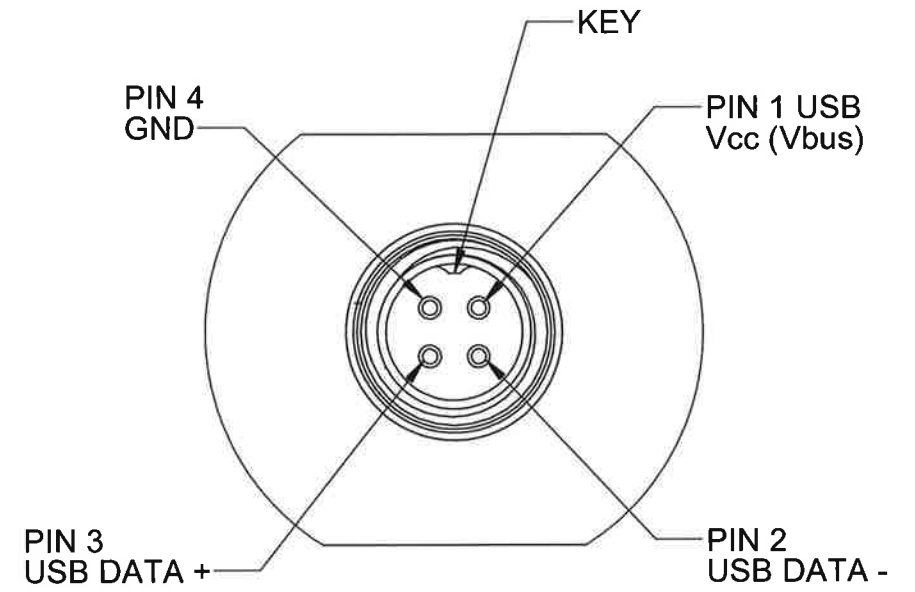
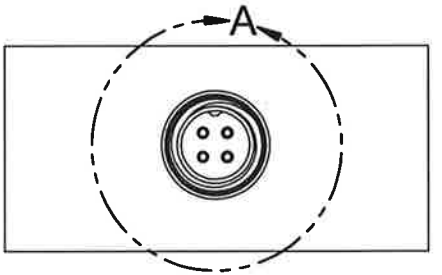
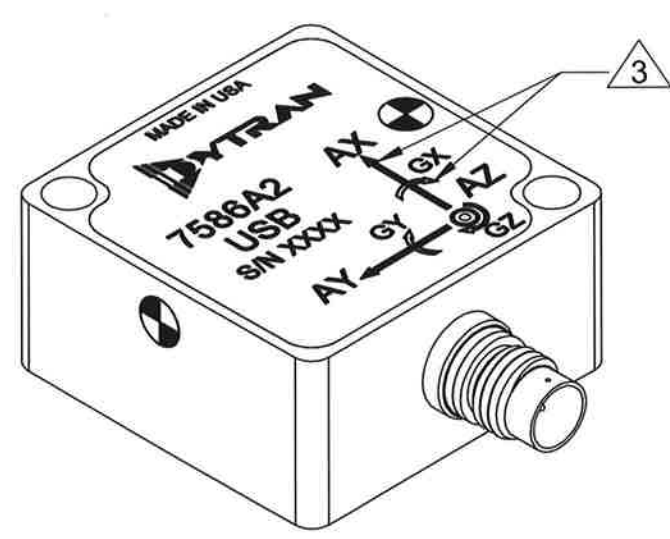
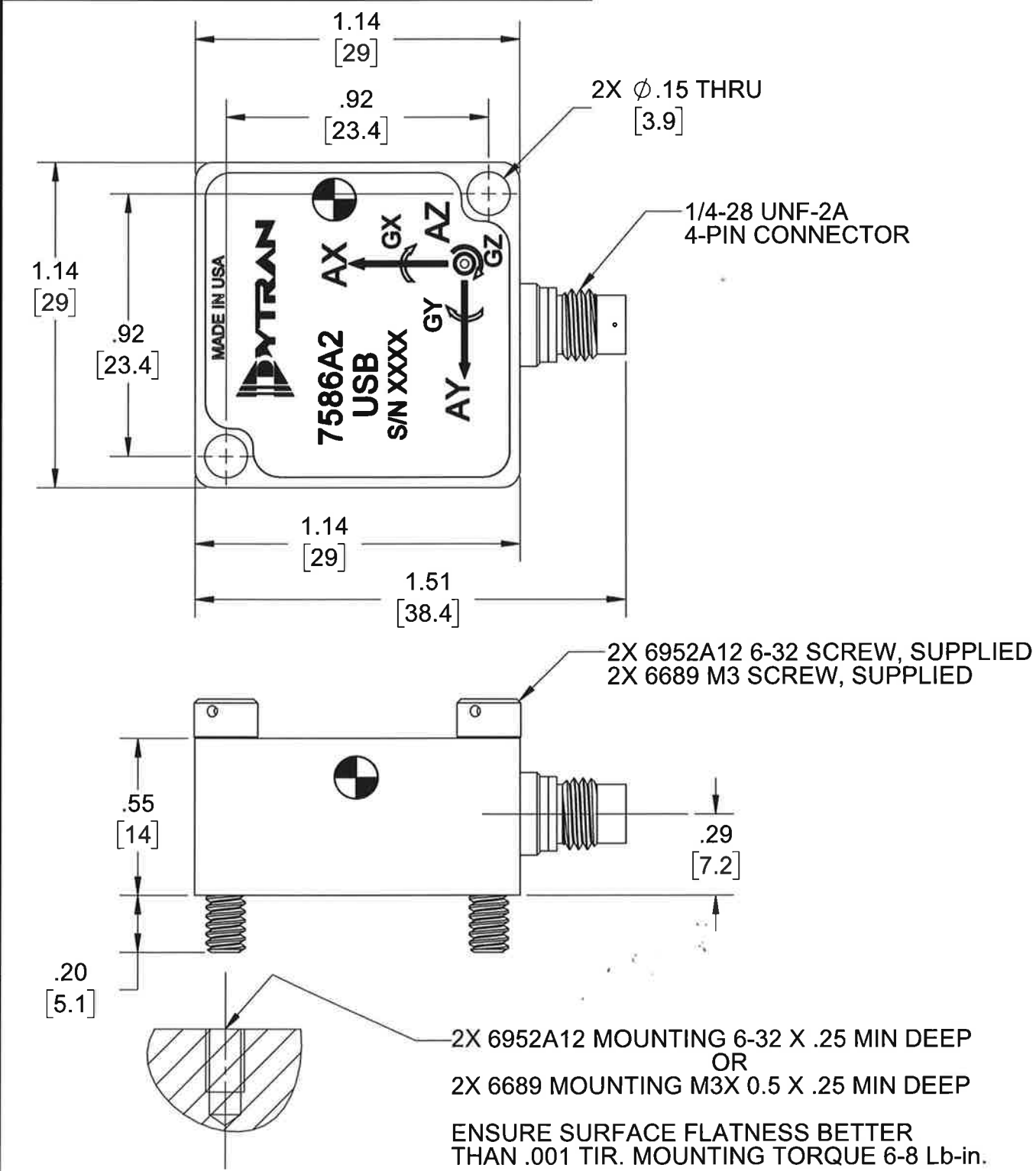


PROPRIETARY AND CONFIDENTIAL		REVISIONS				
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		A	14027	INITIAL RELEASE	NDC 02/09/18	As



DETAIL A
SCALE 4 : 1

- 3 ARROW INDICATES DIRECTION OF POSITIVE OUTPUT.
- 2 MATES WITH DYTRAN CABLE P/N 6330AXX.

1. WEIGHT: 25 GRAMS, MAX
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.
DIMENSIONS APPLY AFTER FINISHING.

ALL MACHINED SURFACES. $\checkmark$
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:

DECIMALS	METRIC	ANGLES
.XX $\pm$.03	.X $\pm$ 0.8	$\pm$ 1°
.XXX $\pm$.010	.XX $\pm$ 0.25	

APPROVALS		DATE
ORIG	NDC	10/04/17
CHK	As	2/12/18
APP	As	2/13/18

DO NOT SCALE DRAWING

DYTRAN
INSTRUMENTS, INC.
Chatsworth, CA

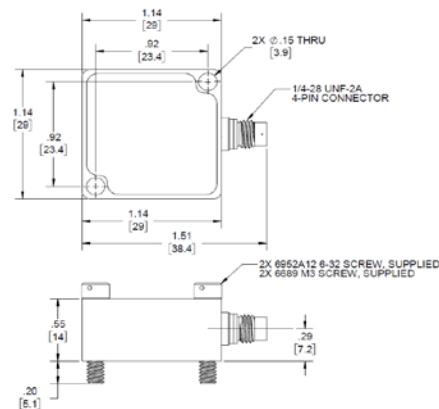
MASTER
ONLY
IN RED

TITLE: **OUTLINE/INSTALLATION
DRAWING, MODEL 7586A2**

SIZE	CAGE CODE	DWG NO	REV
B	2W033	127-7586A2	A

SCALE: 2:1

SHEET 1 OF 1

Model Number 7586A2	PERFORMANCE SPECIFICATION				DOC NO PS7586A2
	VibraScout 6D			REV A, ECN 14027, 02/13/18	
	This family also includes:				
	Model	Input Range (g)	Frequency response (Hz)	Non-Linearity (%F.S)	Noise (µg/√Hz)
Refer to the performance specifications of the products in this family for detailed description.					
Device Features:					
Dytran model 7586A2 is a unique and innovative solution for fast and cost effective data acquisition. The only addition that is required is a personal computer and it is ready to take data. Model 7586A is USB powered, so no additional external power supply is required. The software package supplied with each sensor allows for real time, three directional acceleration acquisition along with angular velocity measurement. The standard USB protocol handles all the sensor communications with the PC and provides the following information: storage of the acceleration, gyro, and inclination data, real-time scrolling plots of acceleration data with display of min, max, instant values. Logging of real time data to a binary file for high data compression and long recording durations. Post processing using the provided data reduction toolkit for overall FFT, CPB, and test log plots and ascii data.					
Supplied Accessories:					
1) Accredited calibration certificate (ISO 17025)					
2) Mounting screw model 6952A12 (6-32), Qty 2 and 6689 (M3x0.5), Qty 2					
Notes:					
[2] Mates with Dytran cable assembly 6330AXX ("XX" = Length in FT)					
[3] Accelerometer bandwidth is 1.0KHz. Gyro Bandwidth is 140Hz					
[4] In the interest of constant product improvement, we reserve the right to change specifications without notice.					
[5] Minimum computer requirements: Intel Core i5, RAM:4GB, HDD:40GB, Win Vista-8 (32/64bit), USB2.0					
PHYSICAL Weight, Max Connector [2] Material	ENGLISH		SI		
	0.88	oz	25	grams	
	1/4-28UNF		1/4-28UNF		
	Ti-6Al-4V		Ti-6Al-4V		
ACCELEROMETER PERFORMANCE Accuracy +/- Input Range +/- Frequency Response (3dB), Nominal [3] Output Noise, Max Non-Linearity, Max Cross Axis Sensitivity, Max	2	%	2	%	
	14	g	137.3	m/s ²	
	0 - 1000	Hz	0 - 1000	Hz	
	0.01	g RMS	0.098	m/s ²	
	1	% F.S	1	% F.S	
	6	%F.S.	6	% F.S.	
GYROSCOPE PERFORMANCE Input Range +/- Frequency Response +/-3dB Output Noise, Typical Non-Linearity, Typical (@ 25C) Zero-Rate Output +/-	6000	°/s	6000	°/s	
	0-140	Hz	0-140	Hz	
	10	°/s rms	10	°/s/√ Hz	
	1	%F.S.	1	%F.S.	
	5	°/s	5	°/s	
ENVIRONMENTAL Maximum Mechanical Shock Operating Temperature Range Seal	±3000	gpk	±98100	m/s ² peak	
	-40 to +185	°F	-40 to +85	°C	
	Hermetic		Hermetic		
ELECTRICAL Operating Voltage	4.9 to 5.1	VDC	4.9 to 5.1	VDC	
					
Units on the line drawing are in inches. Refer to 127-7586A2 for more information.					



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