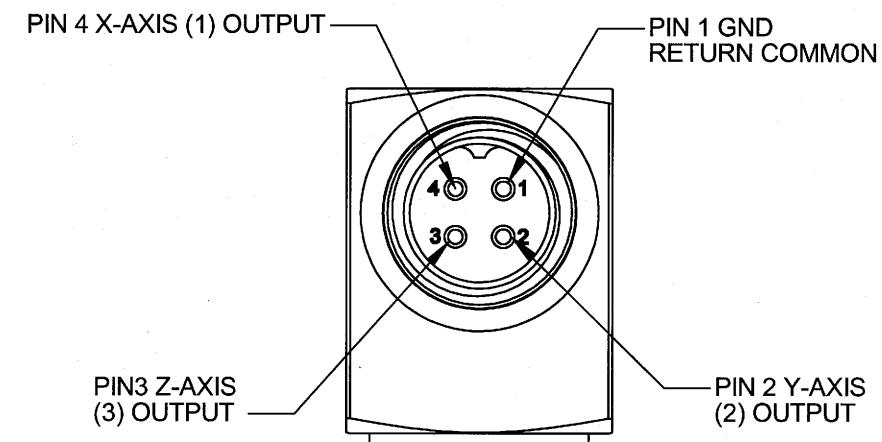
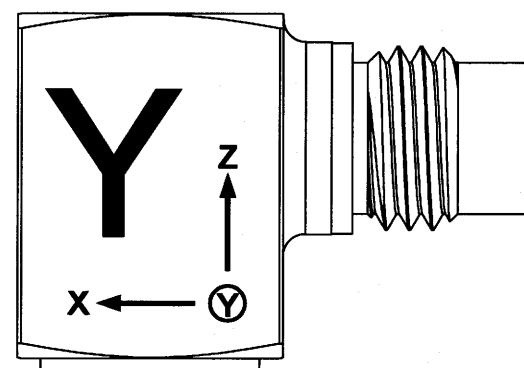
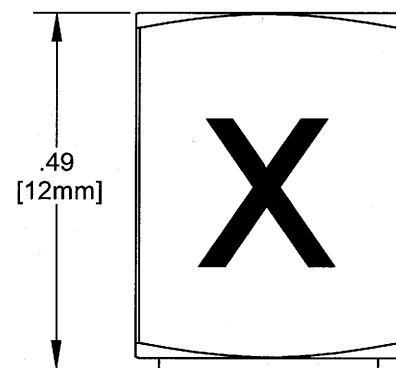
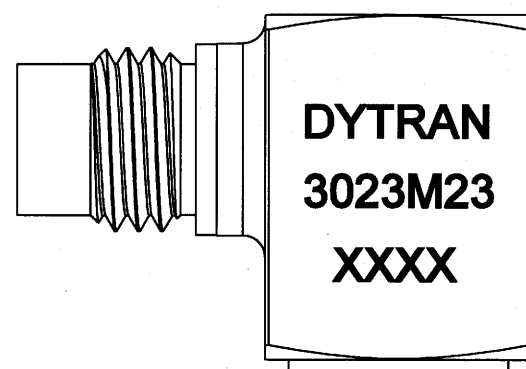
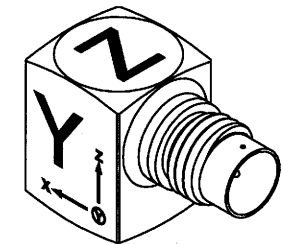
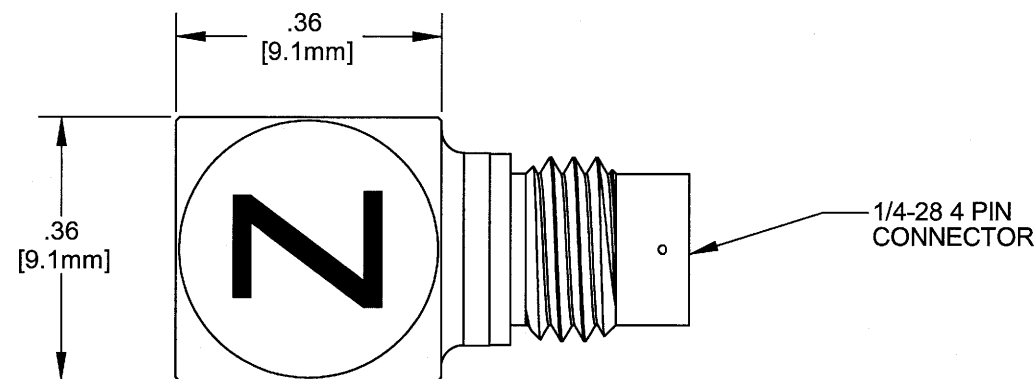


REVISIONS					
REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	4732	INITIAL RELEASE	RLA, 8/15/07		



MOUNTING SURFACE 10-32
MOUNTING HOLE .12 DEEP

5. MAX TEMPARATURE: +325°F
4. SENSITIVITY: 10mV/g NOMINAL
3. WEIGHT: 4 GRAMS
2. ARROWS INDICATE ACCELERATION DIRECTION FOR POSITIVE OUTPUT.
1. MATERIAL: TITANIUM ALLOY.

DRILL HOLE SIZE	TOLERANCE	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.
.0135 THRU .125	+.004 / -.001	
.1260 THRU .250	+.005 / -.001	
.2510 THRU .500	+.006 / -.001	
.5010 THRU .750	+.008 / -.001	
.7510 THRU 1.000	+.010 / -.001	
1.001 THRU 2.000	+.012 / -.001	

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
DECIMALS .XX ± .010
ANGLES ± 1°
XXX ± .005


MATERIAL:

FINISH:

DO NOT SCALE DRAWING

CONTRACT NO.

APPROVALS		DATE
ORIG	PML	5/24/07
CHK		
APP	AML	8/17/07
APP		



Chatsworth, CA

TITLE:

OUTLINE DRAWING

SIZE B	CAGE CODE 2W033	DWG NO 127-3023M23	REV 3
SCALE: 4:1	SOLIDWORKS	SHEET 1 of 1	



SPECIFICATIONS, MODEL 3023M23 TRIAXIAL ACCELEROMETER

SPECIFICATIONS	VALUE	UNITS
PHYSICAL		
WEIGHT	4	grams
SIZE (HEIGHT x WIDTH x DEPTH)	0.49 x .36 x .36	inch
MOUNTING	10-32 TAPPED HOLE IN BASE	
CONNECTOR	4-PIN [1]	
MATERIAL, HOUSING/CONNECTOR	TITANIUM ALLOY	
PERFORMANCE		
SENSITIVITY, -10 +15%[2]	10.0	mV/g
RANGE, F.S. (each axis)	+/- 500	g
FREQUENCY RESPONSE, -5 / +15%		
Axis 1 & 2	1.5 to 5000	Hz
Axis 3	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	
ENVIRONMENTAL		
MAXIMUM VIBRATION	+/- 600	gpk
MAXIMUM SHOCK	5000	gpk
TEMPERATURE RANGE	-60 to +320	°F
ENVIRONMENTAL SEAL	HERMETIC	
COEFFICIENT OF THERMAL SENSITIVITY	.03	%/°F
ELECTRICAL		
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.