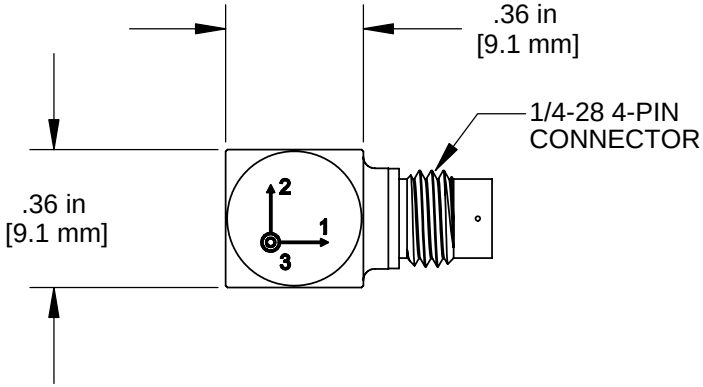
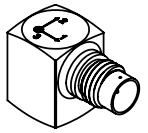
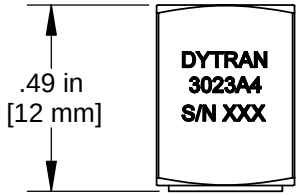
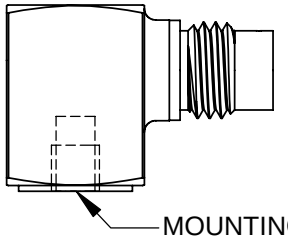
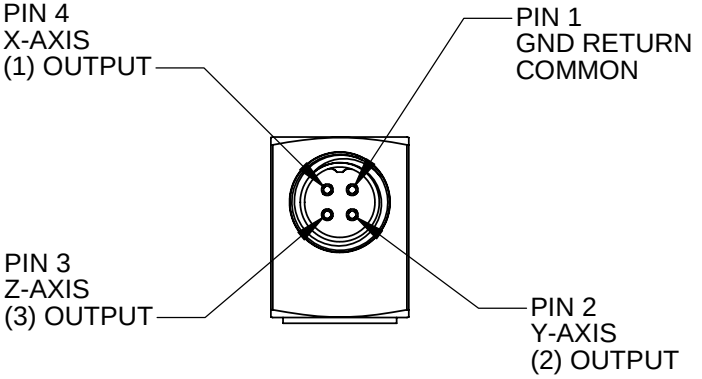


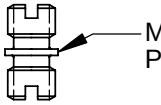


NOT TO SCALE









4. SENSITIVITY: 5 mV/g NOMINAL
3. WEIGHT: 4 GRAMS
2. ARROWS INDICATE ACCELERATION DIRECTION FOR POSITIVE OUTPUT
1. MATERIAL: TITANIUM ALLOY

DYTRAN
INSTRUMENTS, INC. CHATSWORTH, CA

SCALE 2:1	REV	DATE	ECN		
DATE 8/18/05	PART NO.				
DRAWN PML	CHECKED	MATERIAL			
APPROVED	NEXT ASSEMBLY		USED ON 3023A4		

TITLE
OUTLINE / INSTALLATION DRAWING, MODEL 3023A4

DWG NO. 127-3023A4

SHEET 1 OF 1

SPECIFICATIONS, MODEL 3023A4 TRIAXIAL ACCELEROMETER

SPECIFICATIONS	VALUE	UNITS
PHYSICAL		
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	
PERFORMANCE		
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	.007	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	+/- 1000	g pk
MAXIMUM SHOCK	5000	g pk
TEMPERATURE RANGE	-60 to +250	°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.