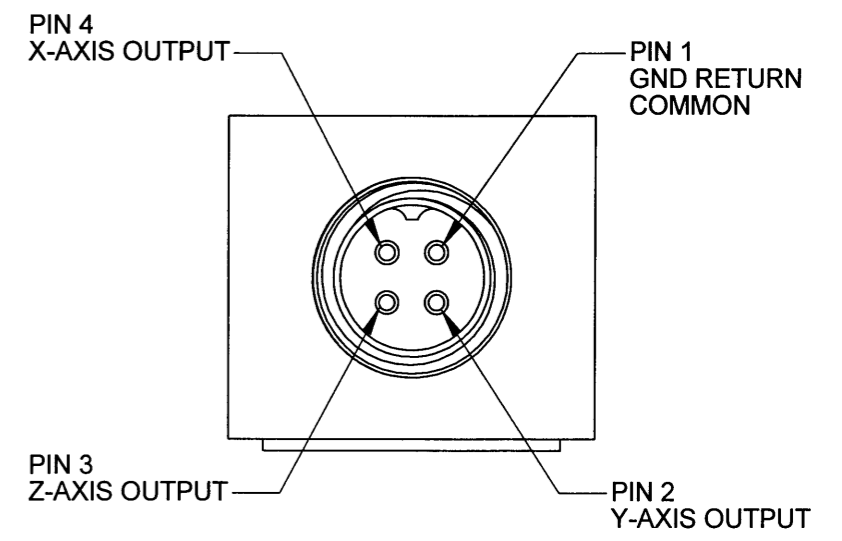
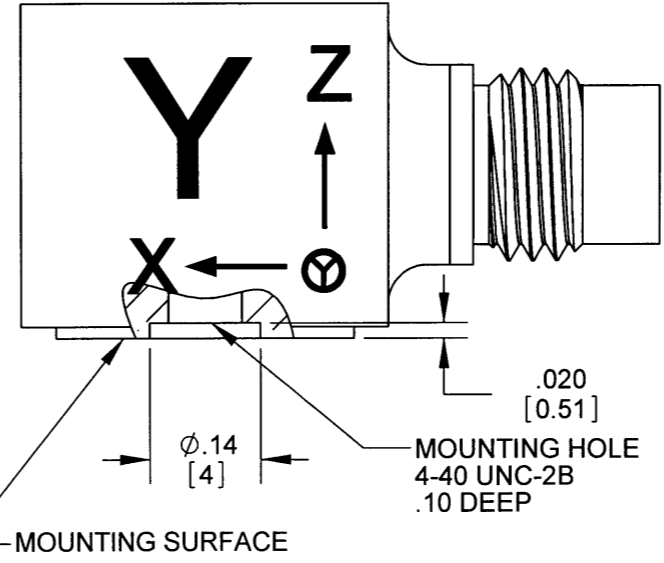
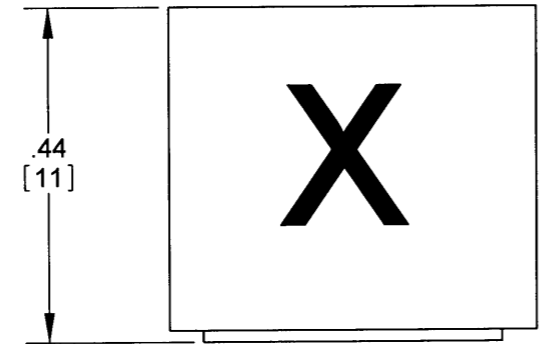
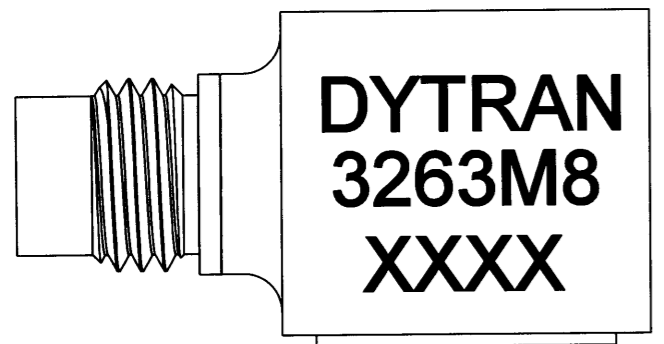
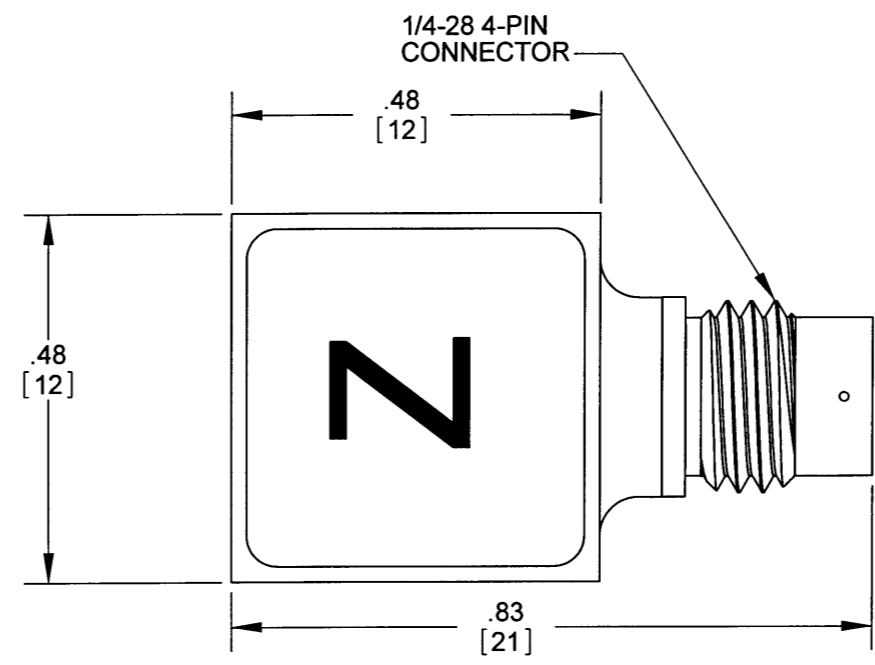


REVISIONS					
REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	5319	INITIAL RELEASE	DV 06/26/08	RA	DV



- 4. DIMENSIONS ARE IN INCHES [mm]
- 3. WEIGHT: 5.6 GRAMS NOMINAL
- 2. ARROWS INDICATE ACCELERATION DIRECTION FOR POSITIVE OUTPUT.
- 1. HOUSING MATERIAL: TITANIUM ALLOY

DRILL HOLE SIZE	TOLERANCE
.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:
 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

THIRD ANGLE PROJECTION
 USA

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. TOLERANCES ARE:

DECIMALS .XX ± .010 .XXX ± .005	ANGLES ± 1°
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CONTRACT NO.

APPROVALS	DATE
ORIG DV	06/26/08
CHK RA	7/17/08
APP DV	7/18/08
APP	

MATERIAL:

FINISH:

DO NOT SCALE DRAWING

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

TITLE:
**OUTLINE/INSTALLATION DRAWING,
 MODEL 3263M8 ACCELEROMETER**

SIZE B	CAGE CODE 2W033	DWG NO 127-3263M8	REV A
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SCALE: 4:1 SOLIDWORKS SHEET 1 of 1

SPECIFICATIONS, MODEL 3263M8 TRIAXIAL ACCELEROMETER

SPECIFICATIONS		UNITS
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PHYSICAL

WEIGHT	5.6	grams
SIZE (WIDTH x HEIGHT)	0.48 x .48	inches
MOUNTING	4-40 UNC INTERNAL THD	
CONNECTOR [1]	4-PIN	
MATERIAL, HOUSING/CONNECTOR	TITANIUM ALLOY	

SPECIFICATIONS

UNITS

PERFORMANCE

SENSITIVITY, $\pm 10\%$ [2]	100	mV/g
RANGE, F.S. (each axis)	± 50	g
FREQUENCY RESPONSE, $\pm 5\%$	0.3 to 10000	Hz
PHASE RESPONSE, $\pm 5^\circ$	1 to 3000	
ELEMENT NATURAL FREQUENCY, NOM.	40	kHz
ELECTRICAL NOISE FLOOR (25Hz-25kHz)	.0001	grms
(1Hz-10kHz)	.00008	grms
LINEARITY, MAX [3]	1	% FS
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 +180	°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.	150	Ohms
OUTPUT BIAS VOLTAGE, NOM.	+11	VDC
DISCHARGE TIME CONSTANT, NOM.	2.0 – 2.2	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 grms 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 IEPE 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.

