

PROPRIETARY AND CONFIDENTIAL

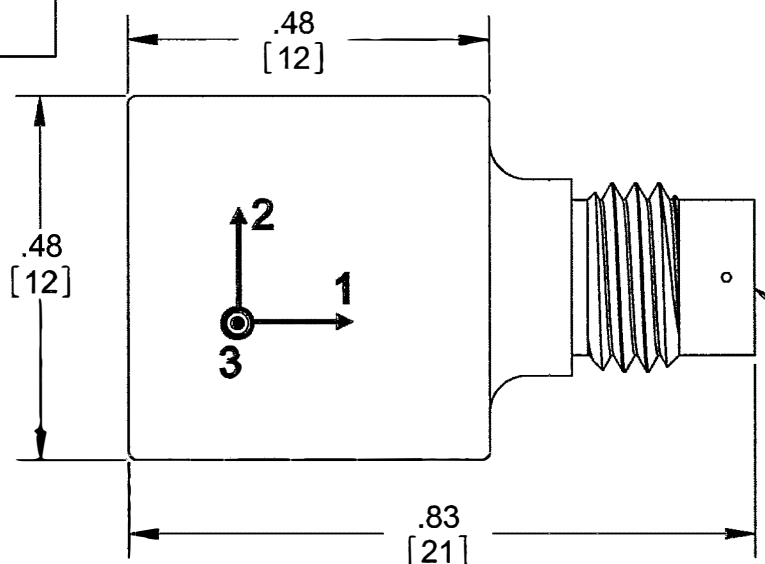
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REVISIONS

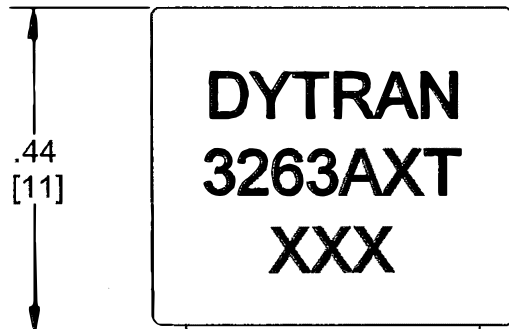
REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	4631	ADD: 3263A3T TO NOTE 4	R.L.A. 5/4/07	CES	CES
B	9338	UPDATED FORMAT, ZONE B3: ADDED MOUNTING STUD 6721 ZONE B3 ADDED MOUNTING NOTE ZONE C4 DIMENSION .44[11] WAS: .44 [11mm] DELETED NOTE 6	RA, 11/14/12	EM 11/16/12	JW



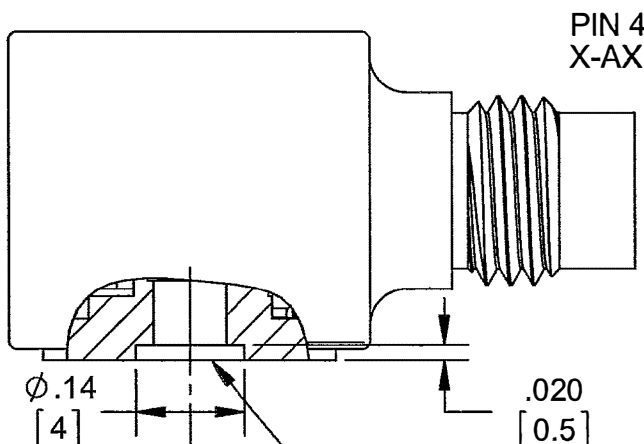
1/4-28 4-PIN CONNECTOR

KEY

PIN 1  
GND RETURN  
COMMON



MOUNTING SURFACE



PIN 4  
X-AXIS OUTPUT

PIN 3  
Z-AXIS OUTPUT

PIN 2  
Y-AXIS OUTPUT

MOUNTING HOLE 4-40 UNC-2B X  $\nabla$ .10[2.5]

6721 MOUNTING STUD, SUPPLIED

MOUNTING RECOMMENDATIONS:  
PREPARE MOUNTING SURFACE FLAT TO .001TIR.  
TAP 4-40 UNC-2B  $\nabla$ .125 [3.2] MINIMUM.  
RECOMMENDED MOUNTING TORQUE: 6-8 LB IN.  
FOR BEST FREQUENCY RESPONSE MOUNTING SURFACE  
MUST CONTACT ENTIRE ACCELEROMETER MOUNTING  
SURFACE.

- 6. DELETED
- 5. EACH AXIS INCLUDES TEDS
- 4. SENSITIVITY:  
3263A1T: 10mV/g  
3263A2T: 100 mV/g  
3263A3T: 50mV/g
- 3. WEIGHT: 5.6 GRAMS NOMINAL

ARROWS INDICATES ACCELERATION DIRECTION FOR POSITIVE OUTPUT.

1. HOUSING MATERIAL: TITANIUM ALLOY  
NOTES: UNLESS OTHERWISE SPECIFIED

<small>UNLESS OTHERWISE SPECIFIED: INTERPRET DIM &amp; 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.</small>	<small>UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS [ ] ARE IN MILLIMETERS TOLERANCES ARE:</small>			<b>MASTER</b> <small>ONLY IT IN RED</small>			
	<small>DECIMALS</small> .XX ±.03 .XXX ±.010	<small>METRIC</small> X ± 0.8 .XX ±0.25		<small>ANGLES</small> ±1°	<b>OUTLINE/INSTALLATION DRAWING, MODEL 3263AT ACCELEROMETER</b>		
	<small>APPROVA</small> IS	<small>DA</small> E		<small>SIZE</small> <b>B</b>	<small>CAGE CODE</small> <b>2W033</b>	<small>DWG NO</small> <b>127-3263AT</b>	<small>REV</small> <b>B</b>
	<small>ORIG</small> PML <small>CHK</small> PML <small>APP</small> CES	<small>DATE</small> 09/09/06 05/11/06 05/04/07		<small>SCALE:</small> 2:1		<small>SHEET</small> 1 OF 1	

## SPECIFICATIONS, MODEL 3263AT TRIAXIAL ACCELEROMETER WITH TEDS

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

SPECIFICATIONS	3263A1T	3263A2T	3263A3T	UNITS
<b>PERFORMANCE</b>				
SENSITIVITY, $\pm 10\%$ [2]	10	100	50	mV/g
RANGE, F.S. (each axis)	$\pm 500$	$\pm 50$	100	g
FREQUENCY RESPONSE, -5 / +15%	1.5 to 10000	1.5 to 10000	1.5 to 10000	Hz
ELEMENT NATURAL FREQUENCY, NOM.	40	40	40	kHz
ELECTRICAL NOISE FLOOR (25Hz-25kHz)	.0008	.0006	.0008	grms
(1Hz-10kHz)	.001	.0004	.001	grms
LINEARITY, MAX [3]	1	1	1	% FS
TRANSVERSE SENSITIVITY, MAX	6	6	6	%
SIGNAL POLARITY	POSITIVE FOR MOTION IN DIRECTION OF ARROWS ON HOUSING			

### ENVIRONMENTAL

MAXIMUM VIBRATION	$\pm 600$	gpk
MAXIMUM SHOCK	5000	gpk
TEMPERATURE RANGE	-60 to +250	°F
TEDS OPERATING 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	+11 to +13	VDC
DISCHARGE TIME CONSTANT	0.3 to 1.0	sec
GROUND ISOLATION	CASE GROUNDED	
IEPE SENSOR WITH TEDS FEATURE	PER IEEE 1451.4	

[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 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.



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