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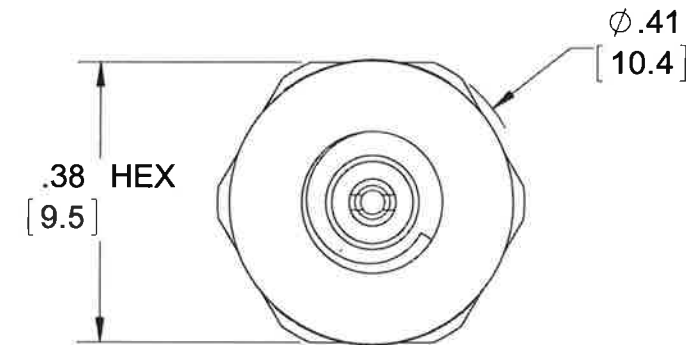
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DWG NO 127-3200B

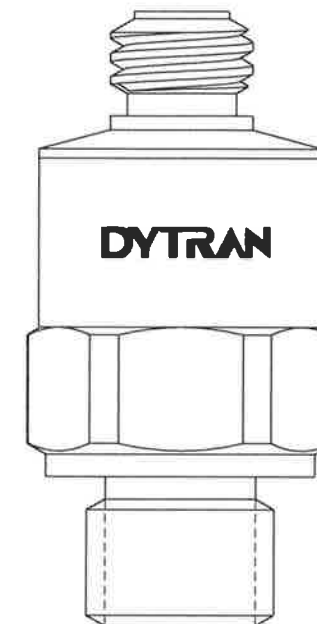
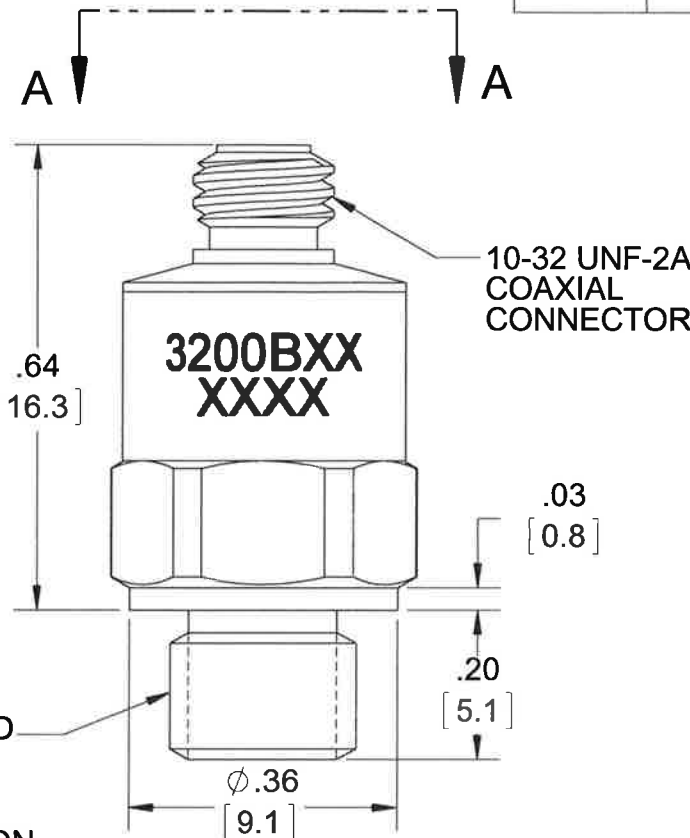
SH 1 REV E

REVISIONS

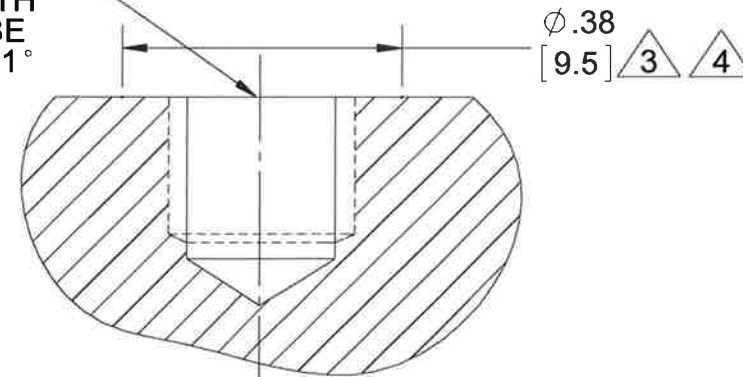
REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
E	11055	UPDATED VIEWS. CONVERTED TO SOLIDWORKS	EC 07/02/14	JLS	



VIEW A-A



MOUNTING HOLE PREPARATION
TAP 1/4-28 UNF-2B X .25 [6.4] MIN DEPTH
OF PERFECT THREAD. HOLE TO BE
PERPENDICULAR WITHIN $\pm 1^\circ$



3200B SERIES

5 ARROW INDICATES SENSE AND DIRECTION OF
ACCELERATION FOR POSITIVE - GOING OUTPUT SIGNAL

4 PREPARE FLAT SURFACE TO THIS DIA. WITH A FINISH OF
OR BETTER AND FLAT TO .001 TIR.

3 PREPARE MOUNTING SURFACE AS SHOWN.
APPLY A LAYER OF SILICONE GREASE TO MOUNTING
SURFACE. TORQUE IN PLACE WITH 50 LB-IN.

2. HOUSING MATERIAL: 17-4 PH STAINLESS STEEL

1. WEIGHT: 6 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.
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	$\pm 1^\circ$
.XXX $\pm$.010	.XX $\pm$ 0.25	

APPROVALS		DATE
ORIG	NC	11/30/81
CHK	NC	11/30/81
APP		8/8/14
DO NOT SCALE DRAWING		THIRD ANGLE PROJECTION USA



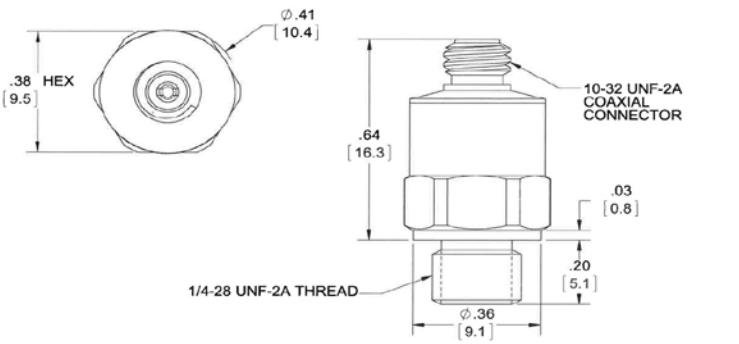
TITLE: OUTLINE/INSTALLATION DRAWING, SERIES 3200B, LIVM, SHOCK ACCELEROMETERS			
SIZE B	CAGE CODE 2W033	DWG NO 127-3200B	REV E
SCALE: 4:1		SHEET 1 OF 1	

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MODEL NUMBER		PERFORMANCE SPECIFICATION				DOC NO	
3200B5						PS3200B5	
		SINGLE AXIS ACCELEROMETER, IEPE				REV B, ECN 12864, 08/12/16	
							
PHYSICAL		ENGLISH		SI		This family also includes:	
Weight		0.21	oz	6.0	grams	Model	Sensitivity (mV/g)
Mounting Provision	Stud	1/4-28 UNF-2A		1/4-28 UNF-2A		Range (Gpeak)	Resolution (Grms)
Connector	Type	Coaxial		Coaxial		Oper. Temp(*F)	Time Constant (Sec)
	Thread	10-32 UNF-2A		10-32 UNF-2A		3200B	0.05
Material Body	Material	17-4 PH S.S.		17-4 PH S.S.		3200B2	0.1
	Isolation	Case isolated		Case isolated		3200B3	0.25
Sensing Element	Material	Quartz		Quartz		3200B4	0.5
	Mode	Compression		Compression		3200B6	2.0
PERFORMANCE		Refer to the performance specifications of the products in this family for detailed description.					
Sensitivity +/- 10% [1]		1.0	mV/g	0.1	mV/ m/s ²	Supplied Accessories:	
Maximum Range F.S.		5000	g	49000	m/s ²	1) Accredited calibration certificate (ISO 17025)	
Frequency Response, ± 5%		.50 to 10000	Hz	.50 to 10000	Hz	Notes:	
± 10%		.35 to 20000	Hz	.35 to 20000	Hz	[1] Measured at 100 Hz, 1 GRMS per ISA RP 37.2.	
± 3db		.16 to >50000	Hz	.16 to >50000	Hz	[2] Measured using zero-based best straight-line method, % of F.S. or any lesser range.	
Mounted Resonant Frequency		> 90	kHz	> 90	kHz	[3] Do not apply power to this device without current limiting, 20 mA MAX.	
Electrical Noise		0.07	Grms	0.7	m/s ² rms	To do so will destroy the integral IC amplifier.	
Linearity [2]		± 1%	%F.S	± 1%	%F.S	[4] Case ground to mounting surface.	
Transverse Sensitivity, Max.		3	%	3	%		
ENVIRONMENTAL							
Maximum Shock (peak)		± 50000	G peak	± 490500	m/s ² peak	TYPICAL TEMPERATURE RESPONSE	
Temperature Range		-60 to +250	°F	-51 to +121	°C	TYPICAL LOW FREQUENCY RESPONSE	
Seal		Epoxy		Epoxy			
ELECTRICAL							
Power Supply [3]		2 to 20	mA	2 to 20	mA		
Compliance Voltage Range		+18 to +30	V	+18 to +30	V		
Output Impedance		100	Ω	100	Ω		
Bias Voltage		+7.5 to +9.5	VDC	+7.5 to +9.5	VDC		
Discharge Time Constant		1 to 1.5	sec	1 to 1.5	sec		
Electrical Isolation [4]		10	GΩ	10	GΩ		
Grounding		Case Isolated		Case Isolated			
							
		Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3200B for more information.					
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