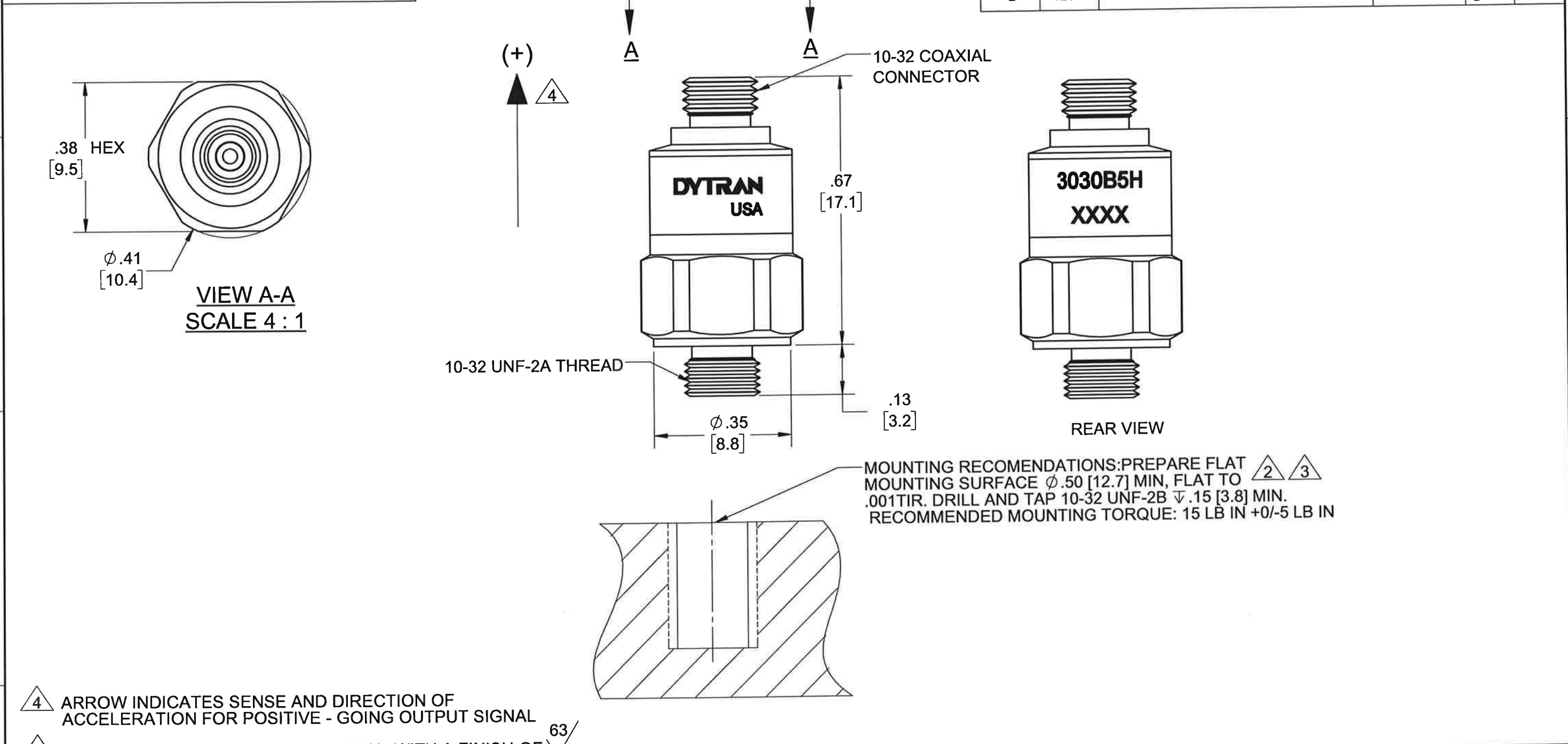


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REVISIONS					
REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
B	12932	REDRAWN IN SOLIDWORKS	RA, 09/12/16	EM	W



- 4 ARROW INDICATES SENSE AND DIRECTION OF ACCELERATION FOR POSITIVE - GOING OUTPUT SIGNAL
- 3 PREPARE FLAT SURFACE TO THIS DIA. WITH A FINISH OF OR BETTER AND FLAT TO .001 TIR.
- 2 PREPARE MOUNTING SURFACE AS SHOWN. APPLY A LAYER OF SILICONE GREASE TO MOUNTING SURFACE. TORQUE IN PLACE WITH 15 LB-IN.
1. HOUSING MATERIAL: 316L STAINLESS STEEL
- 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.

DECIMALS	METRIC	ANGLES
.XX ±.03	.X ±0.8	±1°
.XXX ±.010	.XX ±0.25	

APPROVALS	DATE
ORIG	N.C. 12/07/95
CHK	CES 1/29/07
APP	CES 1/29/07

DO NOT SCALE DRAWING

THIRD ANGLE PROJECTION

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES.
DIMENSIONS IN BRACKETS [] ARE IN
MILLIMETERS TOLERANCES ARE:

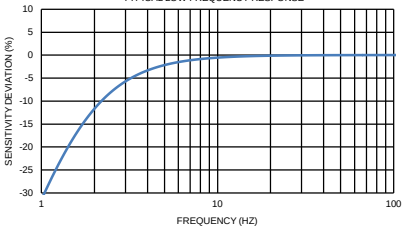
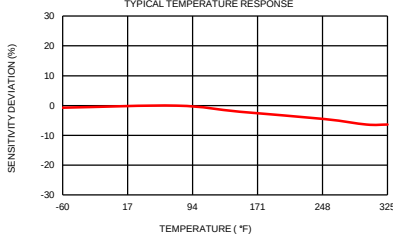
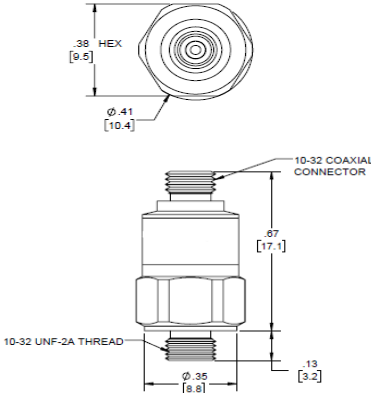
DYTRAN
INSTRUMENTS INC.
Chatsworth, CA 91311

TITLE: **OUTLINE/INSTALLATION
DRWG, MODEL SERIES
3030B5H**

SIZE	CAGE CODE	DWG NO	REV
B	2W033	127-3030B5H	B

SCALE: 2:1

SHEET 1 OF 1

Model Number 3030B5H		PERFORMANCE SPECIFICATION			DOC NO PS3030B5H
		MINIATURE IEPE ACCELEROMETER			REV D, ECN 12932, 09/13/16
		• MINIATURE SIZE • EXCELLENT LINEARITY • HERMETICALLY SEALED • HIGH OPERATING TEMPERATURE			
PHYSICAL Weight Size Connector Mounting Provision Material Element Style		ENGLISH 0.25 0.375 x 0.67 10-32 Micro Coax 10-32 (UNF-2A) 17-4 PH/ 304L Quartz Compression	SI 7.2 9.525 x 17.01 10-32 Micro Coax 10-32 (UNF-2A) 17-4 PH/ 304L Quartz Compression	grams mm	
PERFORMANCE Sensitivity, $\pm 5\%$ [1] Range F.S for ± 5 Volts Output Frequency Response, $\pm 5\%$ Resonant Frequency, Nom Equivalent Electrical Noise Floor Linearity [2] Maximum Transverse sensitivity Strain Sensitivity @ 250 $\mu\epsilon$		10 ± 500 5 to 10000 30 0.0036 $\pm 1\%$ 5 0.003	mV/g g Hz kHz Grms % F.S. % g/ $\mu\epsilon$	1 ± 4905 5 to 10000 30 0.0353 $\pm 1\%$ 5 0.03	mV/m/s ² m/s ² Hz kHz m/s ² rms % F.S. % m/s ² / $\mu\epsilon$
ENVIRONMENTAL Maximum Vibration Maximum Shock Temperature Range Seal, Hermetic		± 1000 ± 3000 -60 to +325 Welded/Glass To Metal	Gpeak Gpeak °F	± 9810 ± 29430 -54 to 163 Welded/Glass To Metal	m/s ² peak m/s ² peak °C
ELECTRICAL Supply Current Range [3] Compliance Voltage Range Output Impedance, Typ Bias Voltage Discharge Time Constant		2 to 20 + 18 to +30 100 7.5 to 11 0.1 to 0.3	mA Volts Ω VDC Sec	2 to 20 + 18 to +30 100 7.5 to 11 0.1 to 0.3	mA Volts Ω VDC Sec
		Notes: [1] Measure at 100Hz, 1 Grms per ISA RP 37.2 [2] Measure using zero-based straight line method, % of F.S. or any lesser range. [3] Do not apply power to this system without current limiting, 20 mA MAX. To do so will destroy the IC charge amplifier.			
		Typical Low Frequency Response 			
		Typical Temperature Response 			
					
		Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3030B5H for more information.			



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