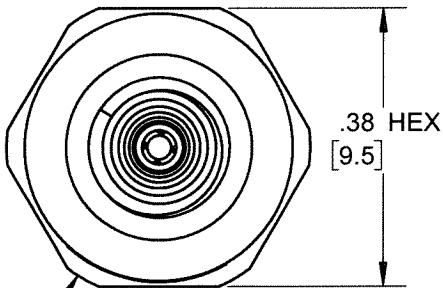


PROPRIETARY AND CONFIDENTIAL

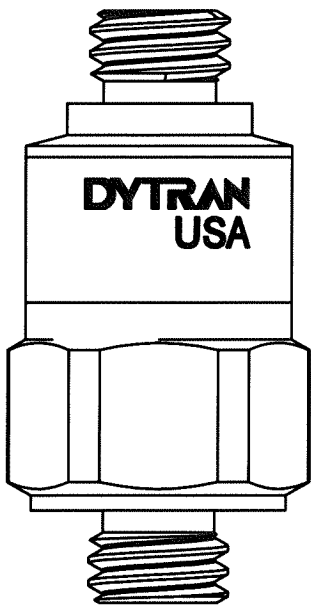
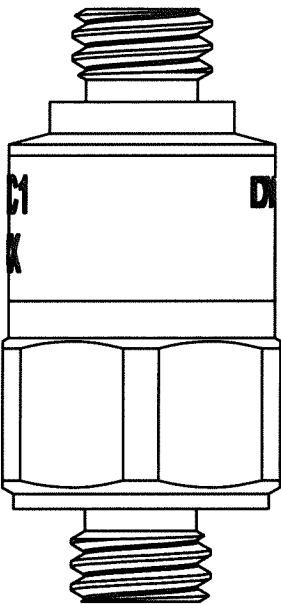
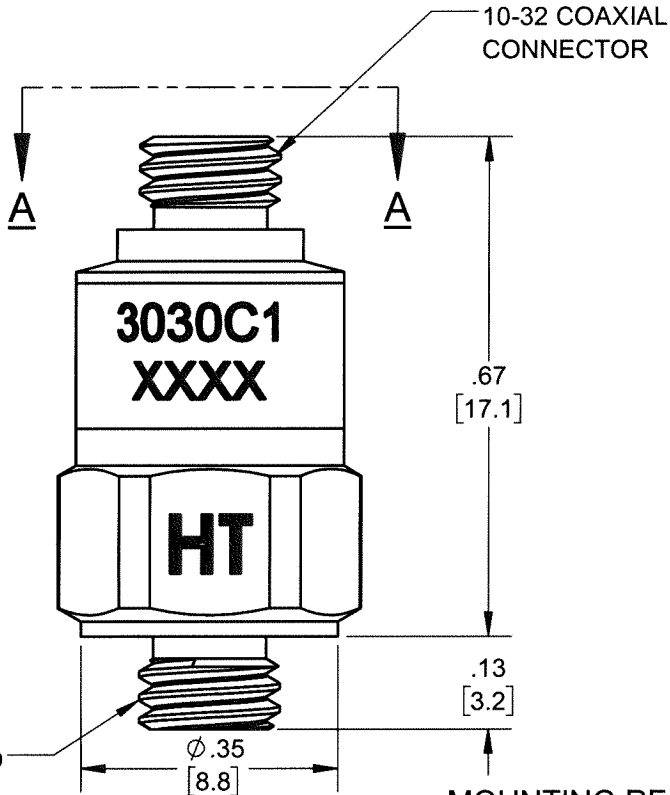
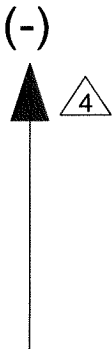
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REVISIONS

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
B	12932	REDRAWN IN SOLIDWORKS	RA, 09/09/16	EM	LN
C	14138	SEE ECN	MH, 04/04/18	EM	EM

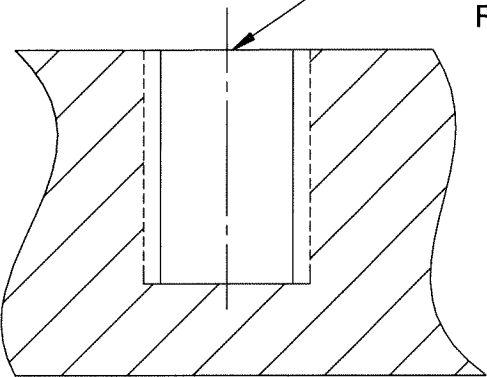


VIEW A-A
SCALE 4 : 1



10-32 UNF-2A THREAD

MOUNTING RECOMENDATIONS: PREPARE FLAT MOUNTING SURFACE $\phi .50$ [12.7] MIN, FLAT TO .001 TIR. DRILL AND TAP 10-32 UNF-2B $\nabla .15$ [3.8] MIN. RECOMMENDED MOUNTING TORQUE: 15 LB IN +0/-5 LB IN



4 ARROW INDICATES SENSE AND DIRECTION OF ACCELERATION FOR NEGATIVE - GOING OUTPUT SIGNAL

3 PREPARE FLAT SURFACE TO THIS DIA. WITH A FINISH OF $\sqrt{63}$ 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.

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS TOLERANCES ARE:		
DECIMALS .XX ± .03 .XXX ± .010	METRIC X ± 0.8 .XX ± 0.25	ANGLES ± 1°
APPROVALS		DATE
ORIG	NC	11/16/98
CHK	RA	08/26/03
APP	NC	08/26/03
DO NOT SCALE DRAWING		THIRD ANGLE PROJECTION USA



TITLE: **OUTLINE/INSTALLATION
DRAWING, MODEL 3030C1**

SIZE B	CAGE CODE 2W033	DWG NO 127-3030C1	REV C
SCALE: 2:1		SHEET 1 OF 1	

MODEL NUMBER 3030C1		PERFORMANCE SPECIFICATION				DOC NO. PS3030C1		
		Accelerometer, Charge Mode			REV E, ECN 15648, 03/23/20			
<div></div>		<div><div><div>• HERMETICALLY SEALED</div><div>• ROBUST DESIGN</div><div>• LIGHTWEIGHT</div></div></div>						
PHYSICAL		ENGLISH		SI				
Weight		0.24 oz		7.2 grams				
Connector [1]		10-32		10-32				
Material		300 Series S.S.		300 Series S.S.				
Housing		17-4 PH		17-4 PH				
Mounting Provision		Stud 10-32 UNF-2A		10-32 UNF-2A				
Sensing Element		Material Ceramic		Ceramic				
Mode		Compression		Compression				
PERFORMANCE								
Sensitivity, +30%/-10% [2]		0.40 pC/g		0.04 pC/m/s^2				
Acceleration Range		[3] Gpeak		[3] m/s^2 peak				
Frequency Response ±10%		[5] to 5000 Hz		[5] to 5000 Hz				
Resonance Frequency		30 kHz		30 kHz				
Linearity [4]		±1 %		±1 %				
Transverse Sensitivity Max		5 %		5 %				
ENVIRONMENTAL								
Shock Max		3000 g pk		29430 m/s^2				
Vibration Max		1000 g pk		9810 m/s^2				
Operating Temperature		-148 to +450 °F		-100 to +232 °C				
Seal		Hermetic		Hermetic				
ELECTRICAL								
Capacitance, nom		126 pF		126 pF				