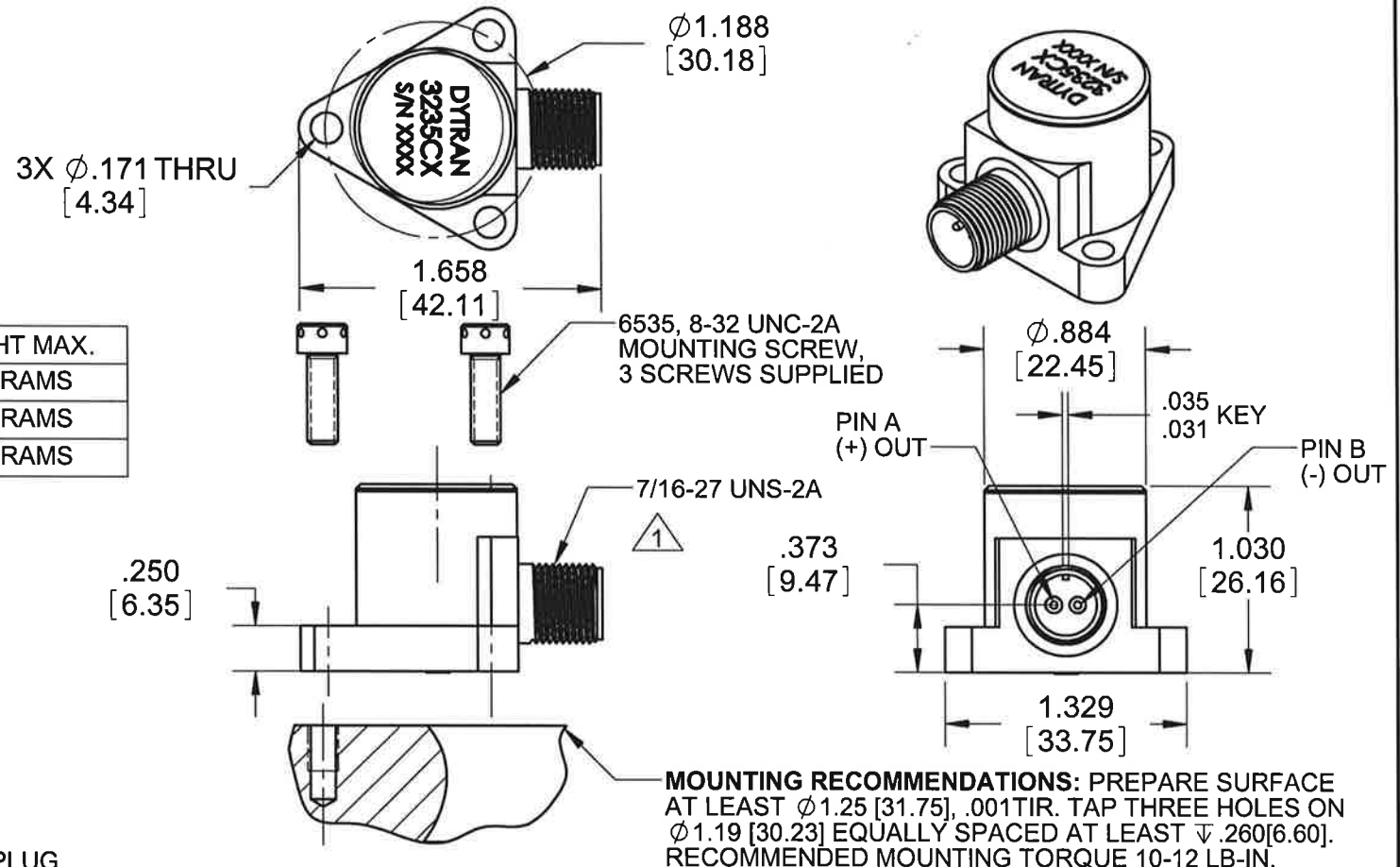


PROPRIETARY AND CONFIDENTIAL

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REVISIONS

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
E	11775	3235C3: IS 85 GRAMS, WAS: 75 GRAMS	EM 02/23/15	RA	W



2. CASE MATERIAL: 304L

1 MATES WITH GLENAIR G345-1 PLUG

NOTES: UNLESS OTHERWISE SPECIFIED

CONTRACT NO.




TITLE: **OUTLINE/INSTALLATION DRAWING 3235C**

APPROVALS		DATE
ORIG	JS	07/01/09
CHK	EP	01/25/10
APP	DV	01/28/10
APP		

SIZE	CAGE CODE	DWG. NO.	REV
A	2W033	127-3235C	E
SCALE: 1:1		SOLIDWORKS	SHEET 1 OF 1

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.	
USED ON	NEXT ASSY
APPLICATION	
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. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS. TOLERANCES ARE:	
DECIMALS	ANGLES
INCH	METRIC
.XX ± .03	.X ± 0.8
.XXX ± .010	.XX ± 0.25
MATERIAL	
FINISH	
DO NOT SCALE DRAWING	

MODEL NUMBER		PERFORMANCE SPECIFICATION				DOC NUMBER PS3235C3	
3235C3		Accelerometer, Single Axis Differential, Charge Mode				REV E, ECN 14094, 03/13/18	
		<ul style="list-style-type: none"><li>• HIGH-TEMPERATURE OPERATION</li><li>• HIGH CHARGE SENSITIVITY</li><li>• EXTREME STABILITY OVER TEMPERATURE</li><li>• BALANCED DIFFERENTIAL OUTPUT</li></ul>					
Actual Size							
		ENGLISH		SI			
<b>PHYSICAL</b>							
Weight, Max Size		Length		3.0 oz		85 grams	
		Height		1.65 inch		42.11 mm	
		Diameter		1.03 inch		26.16 mm	
Mounting, Three-hole Connector[1]		Material		St. Steel		St. Steel	
		Type		2-Pin		2-Pin	
Housing		Material		304L		304L	
Isolation		Pins to Housing		10GΩ MIN		10GΩ MIN	
Sensing Element		Material		Ceramic		Ceramic	
		Mode		Compression		Compression	
<b>PERFORMANCE</b>							
Sensitivity [2] +/-5%		200		pC/g		20.39 pC/m/s <sup>2</sup>	
Acceleration Range		[3]		Gpeak		[3] m/s <sup>2</sup> peak	
Frequency Range, ±10%		[4]- 5,000		Hz		[4]- 5,000 Hz	
Resonance Frequency		35		kHz		35 kHz	
Transverse Sensitivity		5		%		5 %	
Insulation Resistance (75°F)		250		GΩ		250 GΩ	
Insulation Resistance (400°F)		10		GΩ		10 GΩ	
Insulation Resistance (450°F)		100		MΩ		100 MΩ	
Insulation Resistance (550°F)[5]		15		MΩ		15 MΩ	
Operating Temperature		-60 to 550		°F		-51 to 287 °C	
Capacitance, pin to pin		3200		pF		3200 pF	
Unbalance between pins		<2		pF		<2 pF	
Linearity		1		%		1 %	
<b>ENVIRONMENTAL</b>							
Shock, MAX		2000		g pk		19620 m/s <sup>2</sup>	
Vibration, MAX		1000		g pk		9810 m/s <sup>2</sup>	
Seal		Hermetic		Hermetic		Hermetic	
Magnetic Sensitivity at 100 Gauss		0.000008		g/Gauss		0.000078 m/s <sup>2</sup> /Gauss	
Base Strain Sensitivity		0.09		g/με		0.88 m/s <sup>2</sup> /με	
Radiation Exposure Limit (Integrated Neutron Flux)		1.0E+10		N/cm <sup>2</sup>		1.0E+10 N/cm <sup>2</sup>	
Radiation Exposure Limit (Integrated Gamma Flux)		1.0E+08		rad		1.0E+08 rad	