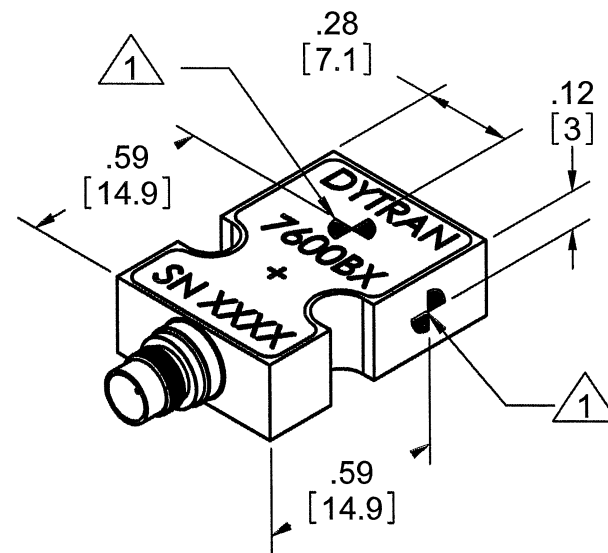
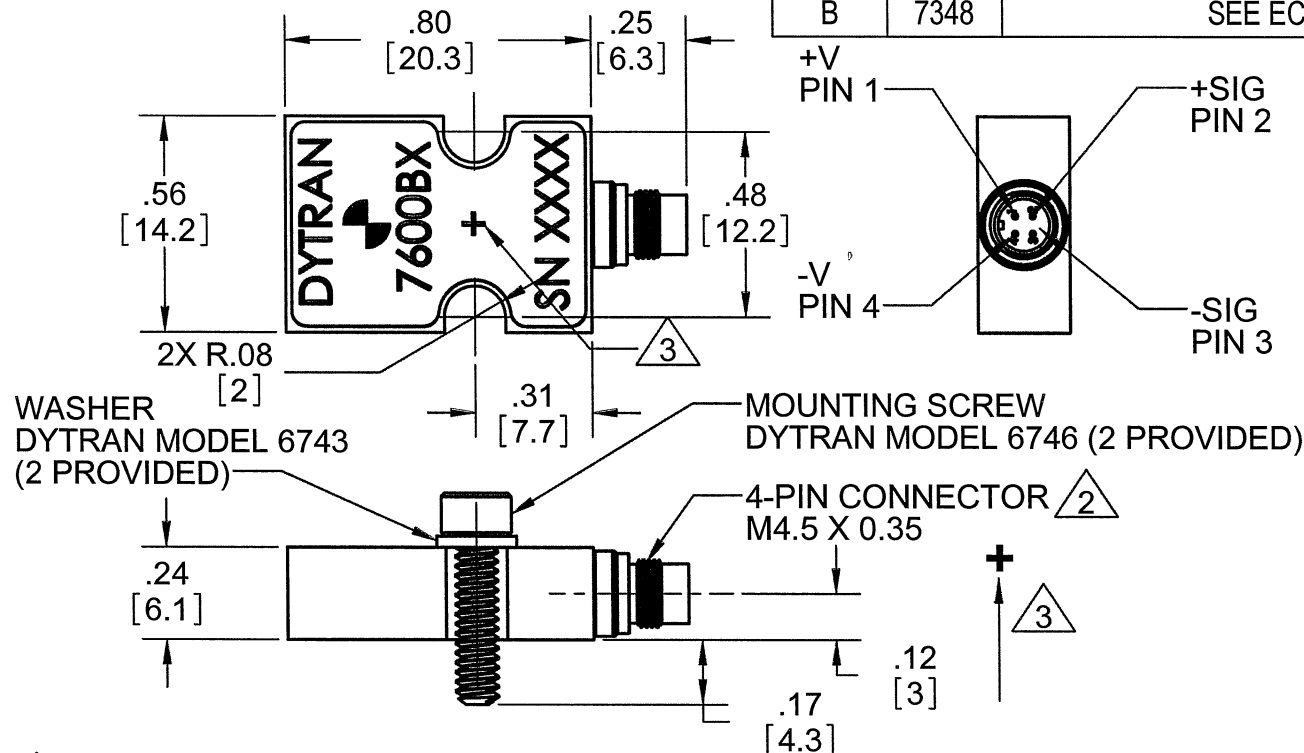


PROPRIETARY AND CONFIDENTIAL

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REVISIONS

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	6307	INITIAL RELEASE	RA, 06/28/10	EP	DV
B	7348	SEE ECN	JS 01/25/11	JS	ANS



- 3 ARROW & "+" INDICATES DIRECTION OF ACCELERATION FOR POSITIVE OUTPUT.
- 2 MATES WITH 6895AXX (XX= LENGTH IN FEET)
- 1 MARKING DENOTES LOCATION OF SENSING ELEMENT.

NOTES: UNLESS OTHERWISE SPECIFIED

MODEL	RANGE
7600B1	±5G
7600B2	±10G
7600B3	±25G
7600B4	±50G
7600B5	±100G
7600B6	±200G


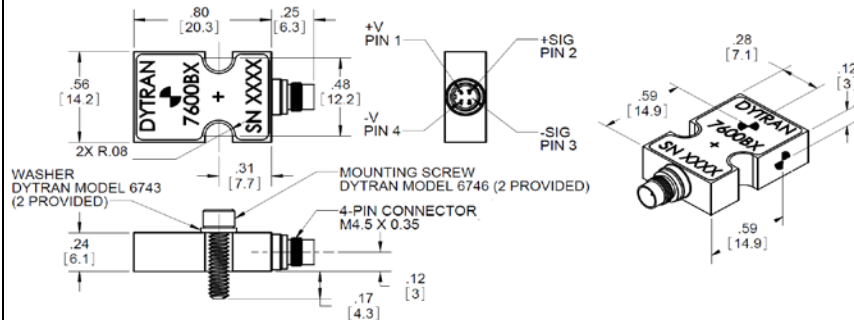
UNLESS OTHERWISE SPECIFIED: INTERPRET DIM & TOL PER ASME Y14.5M - 1994. REMOVE BURRS. COUNTERSINK INTERNAL THDS 90° TO MAJOR DIA. CHAM EXT THDS 45° TO MINOR DIA. THD LENGTHS AND DEPTHS ARE FOR MIN FULL THDS. THDS PER MIL-S-7742. DIMENSIONS APPLY AFTER FINISHING.	
7600BX USED ON	NEXT ASSY
APPLICATION	
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: INCHES METRIC ANGLES .XX ± .03 .X ± 0.8 ± 1° .XXX ± .010 .XX ± 0.25	
MATERIAL	
FINISH	
DO NOT SCALE DRAWING	

CONTRACT NO.

APPROVALS		DATE
ORIG	RA	10/07/09
CHK	EP	06/28/10
APP	DV	07/16/10
APP		

		<b>MASTER</b> <b>ONLY IF IN RED</b> Chatsworth, CA	
TITLE: <b>OUTLINE/INSTALATION DRAWING, 7600B SERIES</b>			
SIZE <b>A</b>	CAGE CODE <b>2W033</b>	DWG. NO. <b>127-7600B</b>	REV <b>B</b>
SCALE: 2:1		SOLIDWORKS	SHEET 1 OF 1

Model Number 7600B6		PERFORMANCE SPECIFICATION				DOC NO PS7600B6																																					
		VARIABLE CAPACITANCE ACCELEROMETER				REV C, ECN 7424, 03/25/11																																					
		<ul style="list-style-type: none"><li>• POWER SUPPLY IDENTICAL TO STRAIN GAGE SENSORS</li><li>• VARIABLE CAPACITANCE ACCELEROMETER</li><li>• DIFFERENTIAL MODE</li><li>• HERMETICALLY SEALED</li><li>• DC RESPONSE</li></ul>																																									
		ENGLISH		SI																																							
<b>PHYSICAL</b>																																											
Weight, Max		0.1	oz	3.6	grams																																						
Size	Length x Width x Height	.80 x .56 x .23	Inches	20.3 x 14.2 x 5.8	mm																																						
Connector	Type	4-PIN, M4.5 x 0.35 THD		4-PIN, M4.5 x 0.35 THD																																							
Mounting		4-40 X 7/16 LG SHCS		4-40 X 7/16 LG SHCS																																							
Material		Ti-6Al-4V		Ti-6Al-4V																																							
<b>PERFORMANCE</b>																																											
Input Range		±200	g	±1962	m/s <sup>2</sup>																																						
Frequency Response (±3dB)		0-3000	Hz	0-3000	Hz																																						
Sensitivity Differential, ±5% [1]		2.5	mV/g	0.3	mV/m/s <sup>2</sup>																																						
Output Noise, Differential ,Typ		200	μ g rms/√ Hz	1,962	μ m/s <sup>2</sup> /√ Hz																																						
Non-Linearity, Max [2]		1.5	% F.S	1.5	% F.S																																						
Sensitivity Change with Excitation Voltage (6-22 Volts)		0.3	%	0.3	%																																						
Cross Axis Sensitivity		< 3	%	< 3	%																																						
<b>ENVIRONMENTAL</b>																																											
Maximum Mechanical Shock (0.1 ms)		2000	gpk	±19620	m/s <sup>2</sup> peak																																						
Bias Temperature Shift ,Max [3]		111	(ppm of span)/°F	200	(ppm of span)/°C																																						
Sensitivity Temperature Shift		277	ppm/°F	500	ppm/°C																																						
Operating Temperature Range		-40 to +176	°F	-40 to +80	°C																																						
Seal		Hermetic		Hermetic																																							
<b>ELECTRICAL</b>																																											
Output Common Mode Voltage ± VDC		[4]		[4]																																							
Output Impedence,Nom		1225	Ω	1225	Ω																																						
Operating Voltage		±3 to ±11	VDC	±3 to ±11	VDC																																						
Operating Current, Max		13	mA Dc	13	mA Dc																																						
Change in Operating Current to Excitation Voltage		0.25	mA/V	0.25	mA/V																																						
		<p><b>This family also includes:</b></p> <table><tr><th>Model</th><th>Input Range (g)</th><th>Frequency response (Hz)</th><th>Sensitivity Differential, ±15% (mV/g)</th><th>Max.Shock (0.1ms)</th><th>Noise Differential (μg/√Hz)</th></tr><tr><td>7600B1</td><td>±5</td><td>0-600</td><td>100</td><td>2000</td><td>9</td></tr><tr><td>7600B2</td><td>±10</td><td>0-1000</td><td>50</td><td>2000</td><td>10</td></tr><tr><td>7600B3</td><td>±25</td><td>0-1500</td><td>20</td><td>2000</td><td>25</td></tr><tr><td>7600B4</td><td>±50</td><td>0-2000</td><td>10</td><td>2000</td><td>50</td></tr><tr><td>7600B5</td><td>±100</td><td>0-2500</td><td>5</td><td>2000</td><td>100</td></tr></table> <p>Please, refer to the performance specifications of the products in this family for detailed description</p> <p><b>Supplied Accessories:</b></p> <ol style="list-style-type: none"><li>1) Accredited calibration certificate (ISO 17025)</li><li>2) Two mounting screws model # 6746</li><li>3) Two mounting washers model # 6743</li></ol> <p><b>Notes:</b></p> <ol style="list-style-type: none"><li>[1] Single ended sensitivity is half of values shown</li><li>[2] -90% to +90% of Full Scale</li><li>[3] Over the rated temperature range</li><li>[4] Bias voltage equal to (+ v - (-v)) / 2</li><li>[5] Mating cable 6895A</li><li>[6] In the interest of constant product improvement, we reserve the right to change specifications without notice.</li></ol>						Model	Input Range (g)	Frequency response (Hz)	Sensitivity Differential, ±15% (mV/g)	Max.Shock (0.1ms)	Noise Differential (μg/√Hz)	7600B1	±5	0-600	100	2000	9	7600B2	±10	0-1000	50	2000	10	7600B3	±25	0-1500	20	2000	25	7600B4	±50	0-2000	10	2000	50	7600B5	±100	0-2500	5	2000	100
Model	Input Range (g)	Frequency response (Hz)	Sensitivity Differential, ±15% (mV/g)	Max.Shock (0.1ms)	Noise Differential (μg/√Hz)																																						
7600B1	±5	0-600	100	2000	9																																						
7600B2	±10	0-1000	50	2000	10																																						
7600B3	±25	0-1500	20	2000	25																																						
7600B4	±50	0-2000	10	2000	50																																						
7600B5	±100	0-2500	5	2000	100																																						
		 <p>Units on the line drawing are in inches. Refer to 127-7600B for more information.</p>																																									



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