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DWG NO

127-7503D

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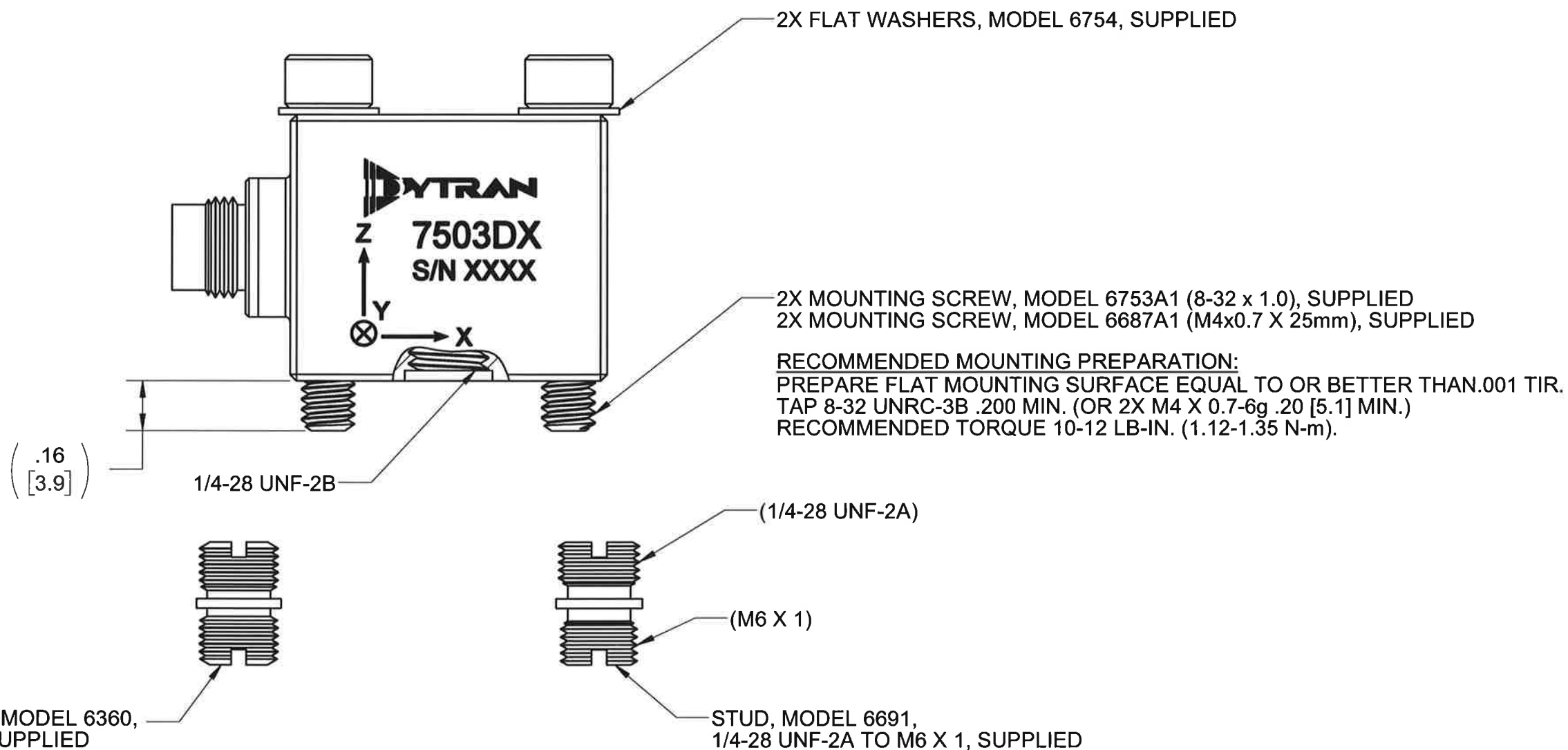
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RECOMMENDED MOUNTING PREPARATION: MODEL 6366
PREPARE MOUNTING SURFACE, $\phi 1.25$ [31.2] MIN, FLAT TO .001 TIR.
TAP 1/4-28 UNF-2B ∇ .200 [5.1] MIN. TORQUE TO 12-15 Lb-in.

RECOMMENDED MOUNTING PREPARATION: MODEL 6691
PREPARE MOUNTING SURFACE, $\phi 1.25$ [31.2] MIN, FLAT TO .001 TIR.
TAP M6 X 1 ∇ .200 [5.1] MIN. TORQUE TO 12-15 Lb-in.

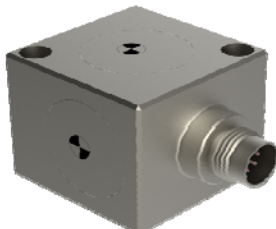
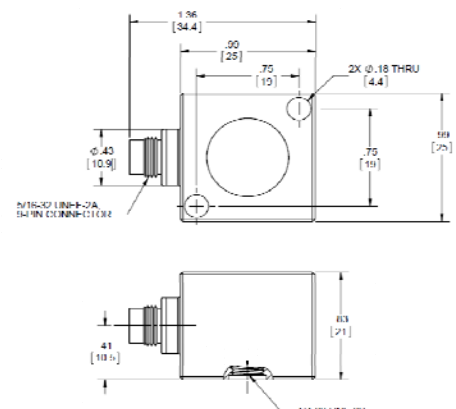
		MASTER ONLY IF IN RED	
TITLE: OUTLINE/INSTALLATION DWG, TRIAxIAL DC ACCELEROMETER, 7503D SERIES			
SIZE B	CAGE CODE 2W033	DWG NO 127-7503D	REV D
SCALE: 2:1		SHEET 2 OF 2	


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Model Number 7503D2		PERFORMANCE SPECIFICATION				DOC NO PS7503D2																																																													
		TRIAXIAL VARIABLE CAPACITANCE ACCELEROMETER				REV J, ECN 15137, 06/13/19																																																													
		<ul style="list-style-type: none">• VARIABLE CAPACITANCE TECHNOLOGY• ± 4V DIFFERENTIAL OUTPUT• HERMETICALLY SEALED• DC RESPONSE				This family also includes: <table><thead><tr><th>Model</th><th>Input Range (g)</th><th>Frequency Response, ±3dB (Hz)</th><th>Sensitivity Differential, ±5% (mV/g)</th><th>Max.Shock (0.1ms) g (peak)</th><th>Noise Differential (µg/√Hz)</th></tr></thead><tbody><tr><td>7503D1</td><td>±2</td><td>0-400</td><td>2,000</td><td>2000</td><td>10.5</td></tr><tr><td>7503D3</td><td>±10</td><td>0-1000</td><td>400</td><td>2000</td><td>18</td></tr><tr><td>7503D4</td><td>±25</td><td>0-1500</td><td>160</td><td>2000</td><td>44</td></tr><tr><td>7503D5</td><td>±50</td><td>0-2700</td><td>80</td><td>2000</td><td>69</td></tr><tr><td>7503D6</td><td>±100</td><td>0-2500</td><td>40</td><td>2000</td><td>122</td></tr><tr><td>7503D7</td><td>±200</td><td>0-5000</td><td>20</td><td>2000</td><td>290</td></tr><tr><td>7503D8</td><td>±400</td><td>0-4000</td><td>10</td><td>2000</td><td>400</td></tr><tr><td>7503D9</td><td>±5(X&Y), ±25(Z)</td><td>0-800(X&Y), 0-1500(Z)</td><td>800(X&Y), 160(Z)</td><td>2000</td><td>12(X&Y), 44(Z)</td></tr><tr><td>7503D10</td><td>±5(X&Y), ±50(Z)</td><td>0-800(X&Y), 0-2700(Z)</td><td>800(X&Y), 80(Z)</td><td>2000</td><td>12(X&Y), 69(Z)</td></tr></tbody></table>		Model	Input Range (g)	Frequency Response, ±3dB (Hz)	Sensitivity Differential, ±5% (mV/g)	Max.Shock (0.1ms) g (peak)	Noise Differential (µg/√Hz)	7503D1	±2	0-400	2,000	2000	10.5	7503D3	±10	0-1000	400	2000	18	7503D4	±25	0-1500	160	2000	44	7503D5	±50	0-2700	80	2000	69	7503D6	±100	0-2500	40	2000	122	7503D7	±200	0-5000	20	2000	290	7503D8	±400	0-4000	10	2000	400	7503D9	±5(X&Y), ±25(Z)	0-800(X&Y), 0-1500(Z)	800(X&Y), 160(Z)	2000	12(X&Y), 44(Z)	7503D10	±5(X&Y), ±50(Z)	0-800(X&Y), 0-2700(Z)	800(X&Y), 80(Z)	2000	12(X&Y), 69(Z)
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		Refer to the performance specifications of the products in this family for detailed description. Supplied Accessories: 1) Accredited calibration certificate (ISO 17025) 2) Mounting stud, Model 6360, 1/4-28 UNF-2A, Qty 1 3) Mounting stud, Model 6691, 1/4-28 UNF-2A to M6 X 1, Qty 1 4) Mounting screws, Model 6753A1, 8-32 x 1.0, Qty. 2 5) Mounting screws, Model 6687A1, M4x0.7 x 25mm, Qty. 2 6) Flat washers, Model 6754, Qty. 2 Notes: [1] Single ended sensitivity is half of values shown. (Ref. at 100 Hz) [2] -90% to +90% of Full Scale. [3] Over the rated temperature range. [4] Limit operating voltage to +24VDC when temperature is greater than 240°F (115°C). [5] In the interest of constant product improvement, we reserve the right to change specifications without notice. It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary overtime. All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.																																																																	
																																																																			
		Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-7503D for more information.																																																																	



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