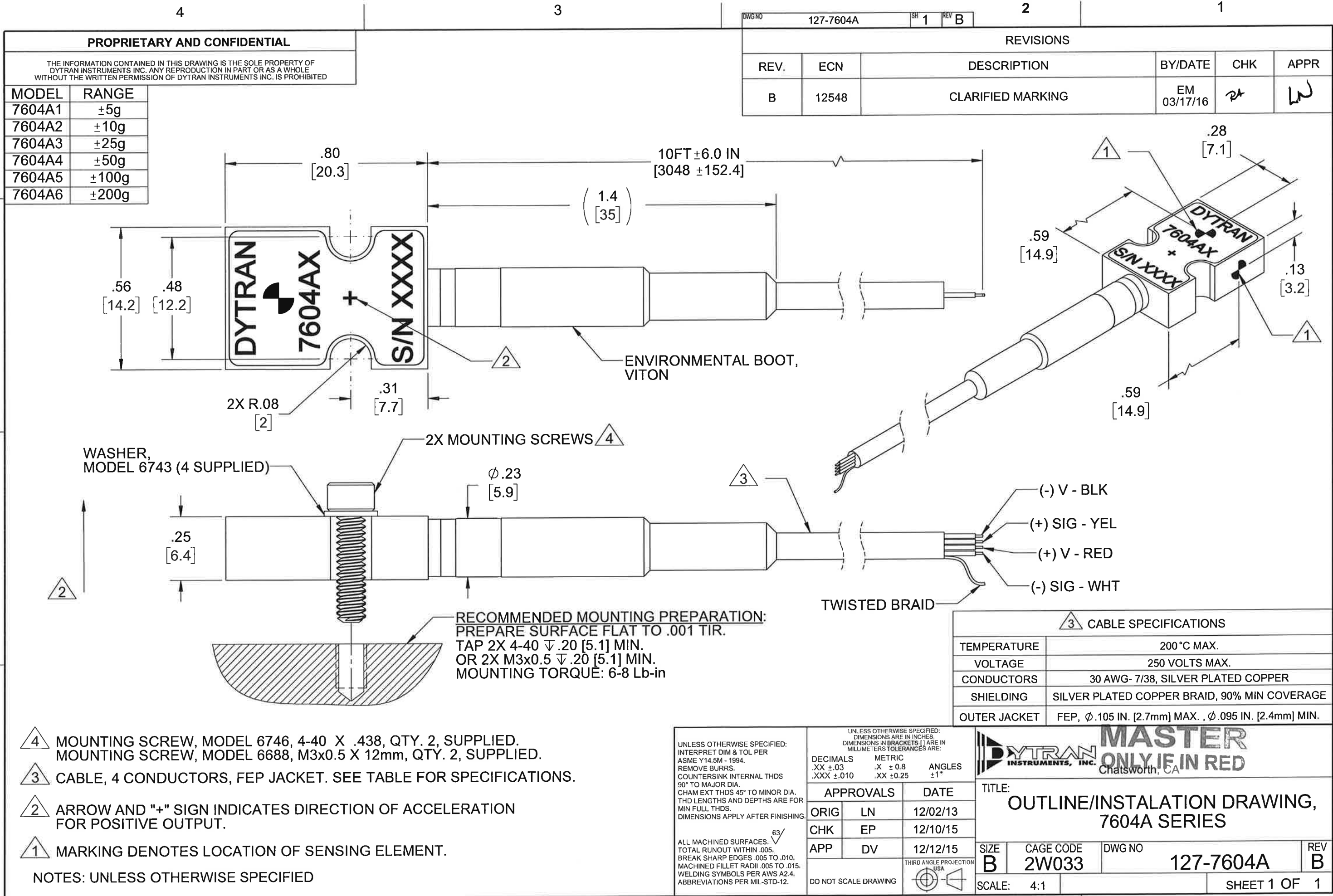




PROPRIETARY AND CONFIDENTIAL

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF DYTRAN INSTRUMENTS INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF DYTRAN INSTRUMENTS INC. IS PROHIBITED

MODEL	RANGE
7604A1	±5g
7604A2	±10g
7604A3	±25g
7604A4	±50g
7604A5	±100g
7604A6	±200g

DWG NO		127-7604A	1	REV	B	REVISIONS				
REV.	ECN	DESCRIPTION				BY/DATE	CHK	APPR		
B	12548	CLARIFIED MARKING				EM 03/17/16	PA	LN		

- 4 MOUNTING SCREW, MODEL 6746, 4-40 X .438, QTY. 2, SUPPLIED. MOUNTING SCREW, MODEL 6688, M3x0.5 X 12mm, QTY. 2, SUPPLIED.
- 3 CABLE, 4 CONDUCTORS, FEP JACKET. SEE TABLE FOR SPECIFICATIONS.
- 2 ARROW AND "+" SIGN INDICATES DIRECTION OF ACCELERATION FOR POSITIVE OUTPUT.
- 1 MARKING DENOTES LOCATION OF SENSING ELEMENT.

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

APPROVALS		DATE
ORIG	LN	12/02/13
CHK	EP	12/10/15
APP	DV	12/12/15

DO NOT SCALE DRAWING

THIRD ANGLE PROJECTION
USA

DYTRAN
INSTRUMENTS, INC.
Chatsworth, CA

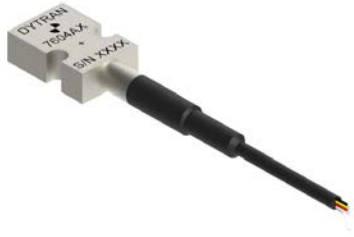
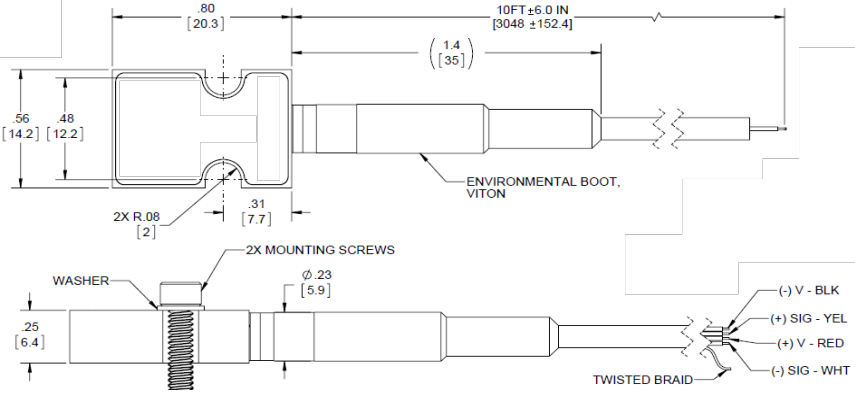
MASTER
ONLY IF IN RED

TITLE:
**OUTLINE/INSTALATION DRAWING,
7604A SERIES**

SIZE B	CAGE CODE 2W033	DWG NO 127-7604A	REV B
------------------	---------------------------	----------------------------	-----------------

SCALE: 4:1

SHEET 1 OF 1

Model Number 7604A1	PERFORMANCE SPECIFICATION				DOC NO PS7604A1																																				
	VARIABLE CAPACITANCE ACCELEROMETER				REV C, ECN 12844, 07/27/16																																				
	• POWER SUPPLY IDENTICAL TO STRAIN GAGE SENSORS • VARIABLE CAPACITANCE ACCELEROMETER • DIFFERENTIAL MODE • HERMETICALLY SEALED • DC RESPONSE • INTEGRAL CABLE • ENVIRONMENTAL BOOT																																								
	ENGLISH		SI																																						
	0.1	oz	3.6	grams																																					
	Flying Leads		Flying Leads																																						
	Titanium Alloy		Titanium Alloy																																						
PHYSICAL																																									
Weight, Max (less cable)																																									
Integral Cable																																									
Material																																									
PERFORMANCE																																									
Input Range	±5	g	±49	m/s ²																																					
Frequency Response (±3dB)	0-600	Hz	0-600	Hz																																					
Sensitivity Differential, ±5% [1]	100	mV/g	10.2	mV/m/s ²																																					
Output Noise, Differential ,Typ	12	µ g rms/√ Hz	118	µ m/s ² /√ Hz																																					
Non-Linearity, Max [2]	0.5	% F.S	0.5	% F.S																																					
Sensitivity Change with Excitation Voltage (6-22 Volts)	0.3	%	0.3	%																																					
Cross Axis Sensitivity	< 3	%	< 3	%																																					
Zero Measurand Output	±50	mV	±50	mV																																					
ENVIRONMENTAL																																									
Maximum Mechanical Shock (0.1 ms)	2000	gpk	19620	m/s ² 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 +248	°F	-40 to +120	°C																																					
Seal	Hermetic		Hermetic																																						
ELECTRICAL																																									
Output Common Mode Voltage ± VDC	[4]		[4]																																						
Output Impedance,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	mAV	0.25	mAV																																					
This family also includes: <table border="1"> <thead> <tr> <th>Model</th><th>Input Range (g)</th><th>Frequency response (Hz)</th><th>Sensitivity Differential, ±5% (mV/g)</th><th>Max.Shock (0.1ms) (gpk)</th><th>Noise Differential (µg/√Hz)</th></tr> </thead> <tbody> <tr> <td>7604A2</td><td>±10</td><td>0-1000</td><td>50</td><td>5000</td><td>18</td></tr> <tr> <td>7604A3</td><td>±25</td><td>0-1500</td><td>20</td><td>5000</td><td>25</td></tr> <tr> <td>7604A4</td><td>±50</td><td>0-2000</td><td>10</td><td>5000</td><td>50</td></tr> <tr> <td>7604A5</td><td>±100</td><td>0-2500</td><td>5</td><td>5000</td><td>100</td></tr> <tr> <td>7604A6</td><td>±200</td><td>0-1750</td><td>2.5</td><td>5000</td><td>200</td></tr> </tbody> </table>						Model	Input Range (g)	Frequency response (Hz)	Sensitivity Differential, ±5% (mV/g)	Max.Shock (0.1ms) (gpk)	Noise Differential (µg/√Hz)	7604A2	±10	0-1000	50	5000	18	7604A3	±25	0-1500	20	5000	25	7604A4	±50	0-2000	10	5000	50	7604A5	±100	0-2500	5	5000	100	7604A6	±200	0-1750	2.5	5000	200
Model	Input Range (g)	Frequency response (Hz)	Sensitivity Differential, ±5% (mV/g)	Max.Shock (0.1ms) (gpk)	Noise Differential (µg/√Hz)																																				
7604A2	±10	0-1000	50	5000	18																																				
7604A3	±25	0-1500	20	5000	25																																				
7604A4	±50	0-2000	10	5000	50																																				
7604A5	±100	0-2500	5	5000	100																																				
7604A6	±200	0-1750	2.5	5000	200																																				
Refer to the performance specifications of the products in this family for detailed description																																									
Supplied Accessories: 1) Accredited calibration certificate (ISO 17025) 2) Mounting screws, model 6746, 4-40, Qty. 2 3) Mounting screws, model # 6688, M3x0.5, Qty. 2 4) Mounting washers model # 6743, Qty. 4 Notes: [1] Single ended sensitivity is half of values shown [2] -90% to +90% of Full Scale [3] Over the rated temperature range [4] Bias voltage equal to (+ V - (-V)) / 2 [5] In the interest of constant product improvement, we reserve the right to change specifications without notice.																																									
																																									
Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-7604A for more information.																																									