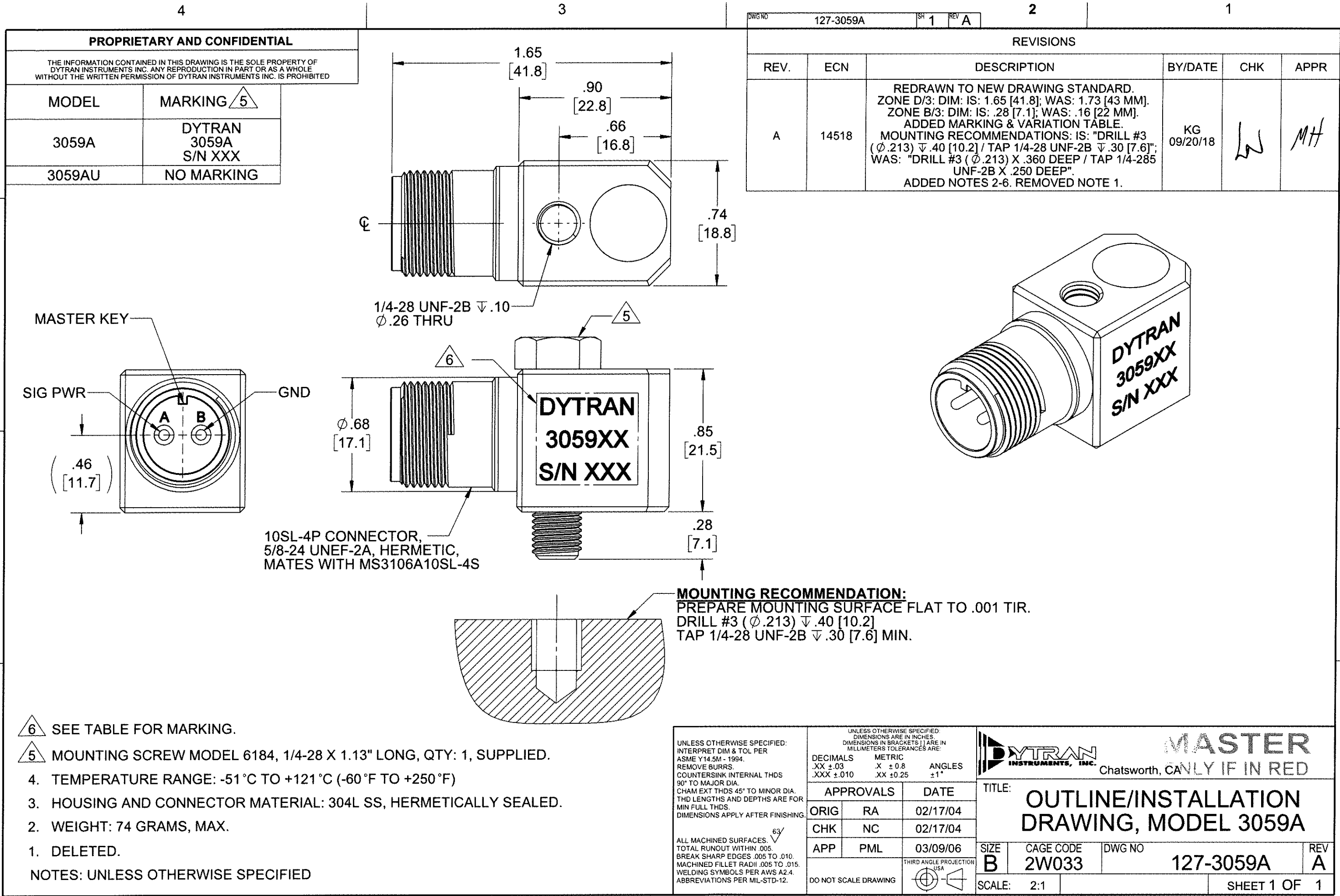




- 6 SEE TABLE FOR MARKING.
- 5 MOUNTING SCREW MODEL 6184, 1/4-28 X 1.13" LONG, QTY: 1, SUPPLIED.
4. TEMPERATURE RANGE: -51°C TO +121°C (-60°F TO +250°F)
3. HOUSING AND CONNECTOR MATERIAL: 304L SS, HERMETICALLY SEALED.
2. WEIGHT: 74 GRAMS, MAX.
1. DELETED.
- NOTES: UNLESS OTHERWISE SPECIFIED

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.

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

APPROVALS		DATE
ORIG	RA	02/17/04
CHK	NC	02/17/04
APP	PML	03/09/06

DO NOT SCALE DRAWING

THIRD ANGLE PROJECTION
USA

DYTRAN
INSTRUMENTS, INC.
Chatsworth, CA

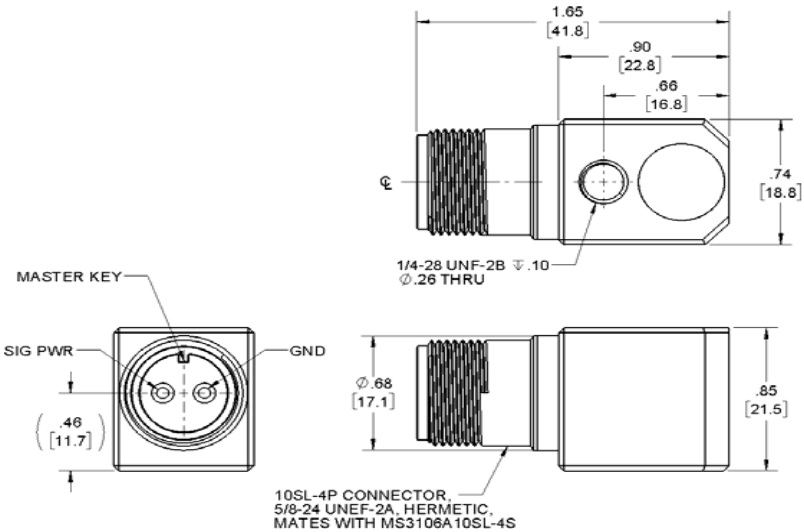
MASTER
ONLY IF IN RED

TITLE: **OUTLINE/INSTALLATION
DRAWING, MODEL 3059A**

SIZE	CAGE CODE	DWG NO	REV
B	2W033	127-3059A	A

SCALE: 2:1

SHEET 1 OF 1

Model Number 3059A		PERFORMANCE SPECIFICATIONS				DOC NO PS3059A																					
		IEPE ACCELEROMETER				REV B, ECN 14518, 09/20/18																					
		• HERMETICALLY SEALED • HIGH SENSITIVITY				This family also includes: <table><tr><th>Model</th><th>Sensitivity (mV/g)</th><th>Frequency Response (Hz)</th><th>Time Constant (Sec)</th><th>Operating Temp (°F)</th></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></table>		Model	Sensitivity (mV/g)	Frequency Response (Hz)	Time Constant (Sec)	Operating Temp (°F)															
Model	Sensitivity (mV/g)	Frequency Response (Hz)	Time Constant (Sec)	Operating Temp (°F)																							
		Refer to the performance specifications of the products in this family for detailed description																									
		Supplied Accessories: 1) Accredited calibration certificate (ISO 17025) 2) 6184 Mounting Bolt																									
		Notes: [1] Measured at 100 Hz, 1 Grms per ISA RP 37.2. [2] Measured using zero-based straight line method, % of F.S. or any lesser range. [3] Do not apply power to this system without current limiting, 20 mA MAX. To do so will destroy the IC charge amplifier.																									
PHYSICAL		ENGLISH		SI																							
Weight, Max		2.59	oz	74.0	grams																						
Connector	Type	2 PIN, MIL 10SL- 4P		2 PIN, MIL 10SL- 4P																							
Mounting Provision	Thru Hole	1/4-28 UNF-2B		1/4-28 UNF-2B	mm																						
Material, Housing/Connector		300 Series S.S.		300 Series S.S.																							
Sensing Element	Ceramic	Shear		Shear																							
PERFORMANCE																											
Sensitivity, ±10% [1]		100	mV/g	10	mV/m/s ²																						
Range for ± 5 Volts Output		50	g	491	m/s ²																						
Frequency Response, ± 5%		0.3 - 8,000	Hz	0.3 - 8,000	Hz																						
Resonant Frequency		21	kHz	21	kHz																						
Broad Band Resolution, Max		0.0006	Grms	0.006	m/s ² rms																						
Linearity [2]		2	% F.S.	2	% F.S.																						
Maximum Transverse sensitivity		5	%	5	%																						
Strain Sensitivity @ 250µε		0.001	g/µε	0.01	m/s ² /µε																						
ENVIRONMENTAL																											
Maximum Vibration		350	Gpeak	3434	m/s ² peak																						
Maximum Shock		3000	Gpeak	29430	m/s ² peak																						
Temperature Range		-60 to 250	°F	-51 to 121	°C																						
Seal		HERMETIC		HERMETIC																							
ELECTRICAL																											
Supply Current Range [3]		2 to 20	mA	2 to 20	mA																						
Compliance Voltage Range		+20 to +30	Volts	+20 to +30	Volts																						
Output Impedance, Nom.		200	Ω	200	Ω																						
Bias Voltage		11 to 13	VDC	11 to 13	VDC																						
Discharge Time Constant		0.5 to 1.2	Sec	0.5 to 1.2	Sec																						
Electrical Isolation		10	MΩ,min	10	MΩ,min																						
																											
						Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3059A for more information.																					
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