PROPRIETARY AND CONFIDENTIAL

MODEL	MARKING /5\
3059A	DYTRAN 3059A S/N XXX
3059AU	NO MARKING

REVISIONS

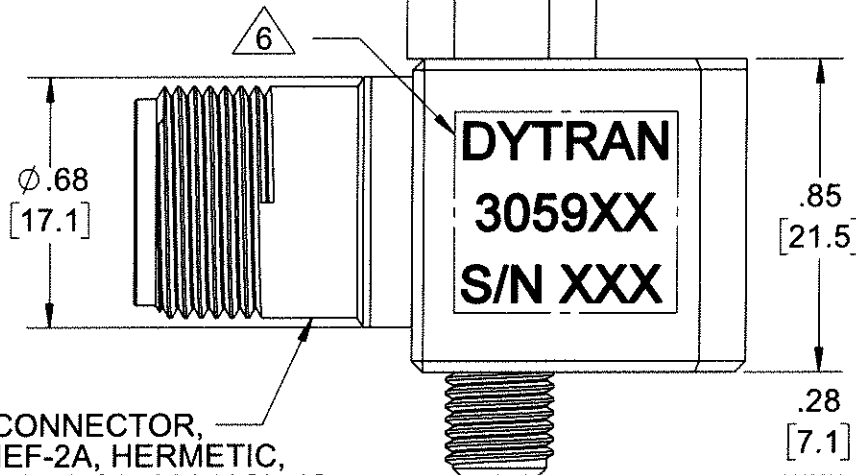| REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	14518	REDRAWN TO NEW DRAWING STANDARD. ZONE D/3: DIM: IS: 1.65 [41.8]; WAS: 1.73 [43 MM]. ZONE B/3: DIM: IS: .28 [7.1]; WAS: .16 [22 MM]. ADDED MARKING & VARIATION TABLE. MOUNTING RECOMMENDATIONS: IS: "DRILL #3 (∅.213) ▽.40 [10.2] / TAP 1/4-28 UNF-2B ▽.30 [7.6]"; WAS: "DRILL #3 (∅.213) X .360 DEEP / TAP 1/4-285 UNF-2B X .250 DEEP". ADDED NOTES 2-6. REMOVED NOTE 1.	KG 09/20/18		

1.65 [41.8]
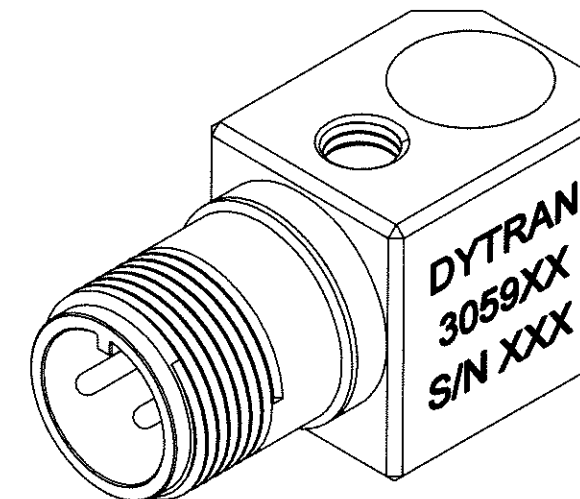
.90 [22.8]

.66 [16.8]

.74 [18.8]

1/4-28 UNF-2B ▽.10
∅.26 THRU

MASTER KEY

SIG PWR — GND

A B

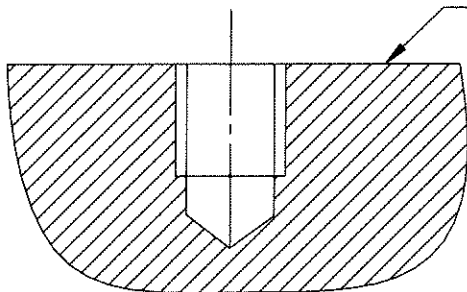.46 [11.7]

∅.68 [17.1]

.85 [21.5]

.28 [7.1]

DYTRAN 3059XX S/N XXX

10SL-4P CONNECTOR, 5/8-24 UNEF-2A, HERMETIC, MATES WITH MS3106A10SL-4S

MOUNTING RECOMMENDATION:
PREPARE MOUNTING SURFACE FLAT TO .001 TIR.
DRILL #3 (∅.213) ▽.40 [10.2]
TAP 1/4-28 UNF-2B ▽.30 [7.6] MIN.

/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.

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS [ ] ARE IN MILLIMETERS TOLERANCES ARE:

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

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

DYTRAN INSTRUMENTS, INC.
Chatsworth, CA

MASTER ONLY IF IN RED

TITLE:
OUTLINE/INSTALLATION DRAWING, MODEL 3059A

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

SCALE: 2:1

SHEET 1 OF 1

THIRD ANGLE PROJECTION USA

DO NOT SCALE DRAWING

This family also includes:

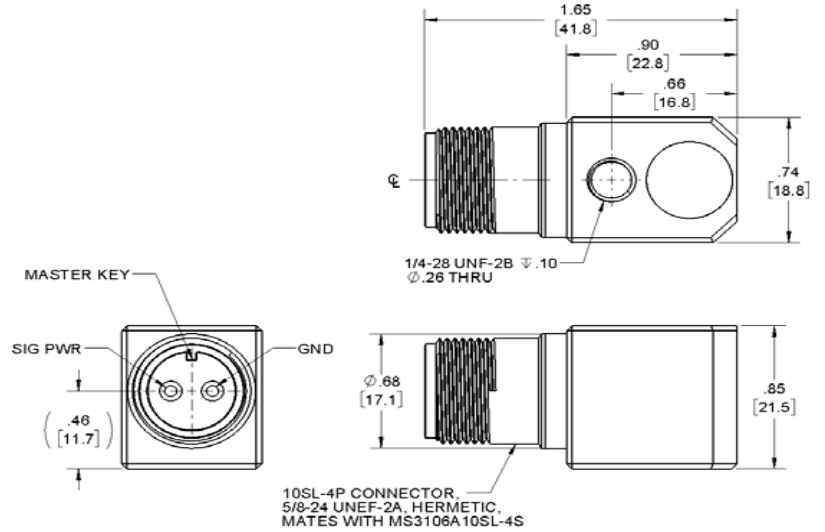| Model	Sensitivity (mV/g)	Frequency Response (Hz)	Time Constant (Sec)	Operating Temp (°F)

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.

- **HERMETICALLY SEALED**
- **HIGH SENSITIVITY**

		ENGLISH		SI	
PHYSICAL					
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

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.90 [22.8]
.66 [16.8]
.74 [18.8]
1/4-28 UNF-2B ↧ .10
Ø .26 THRU

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Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3059A for more information.