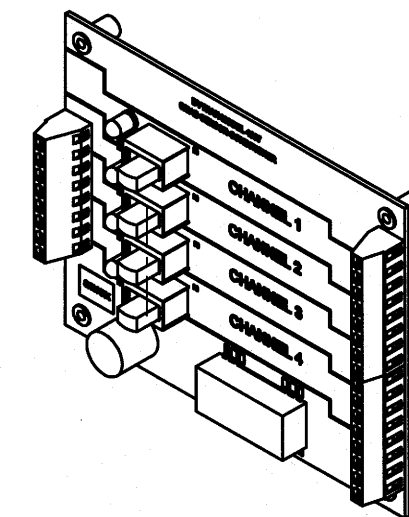
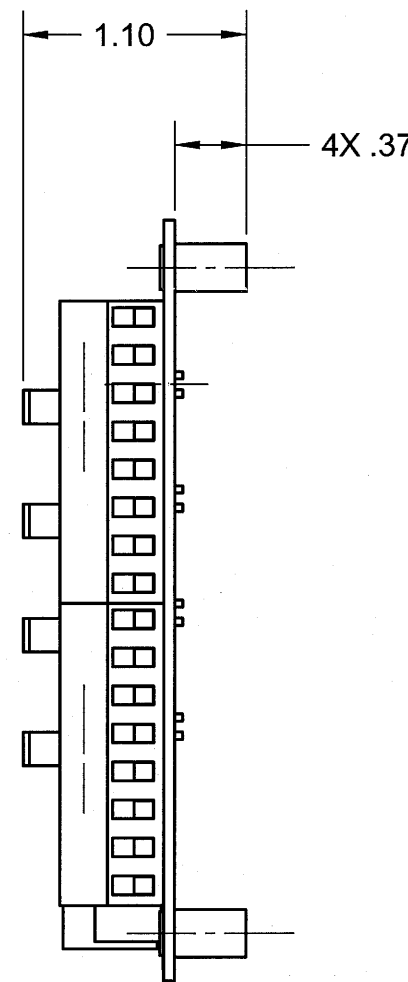
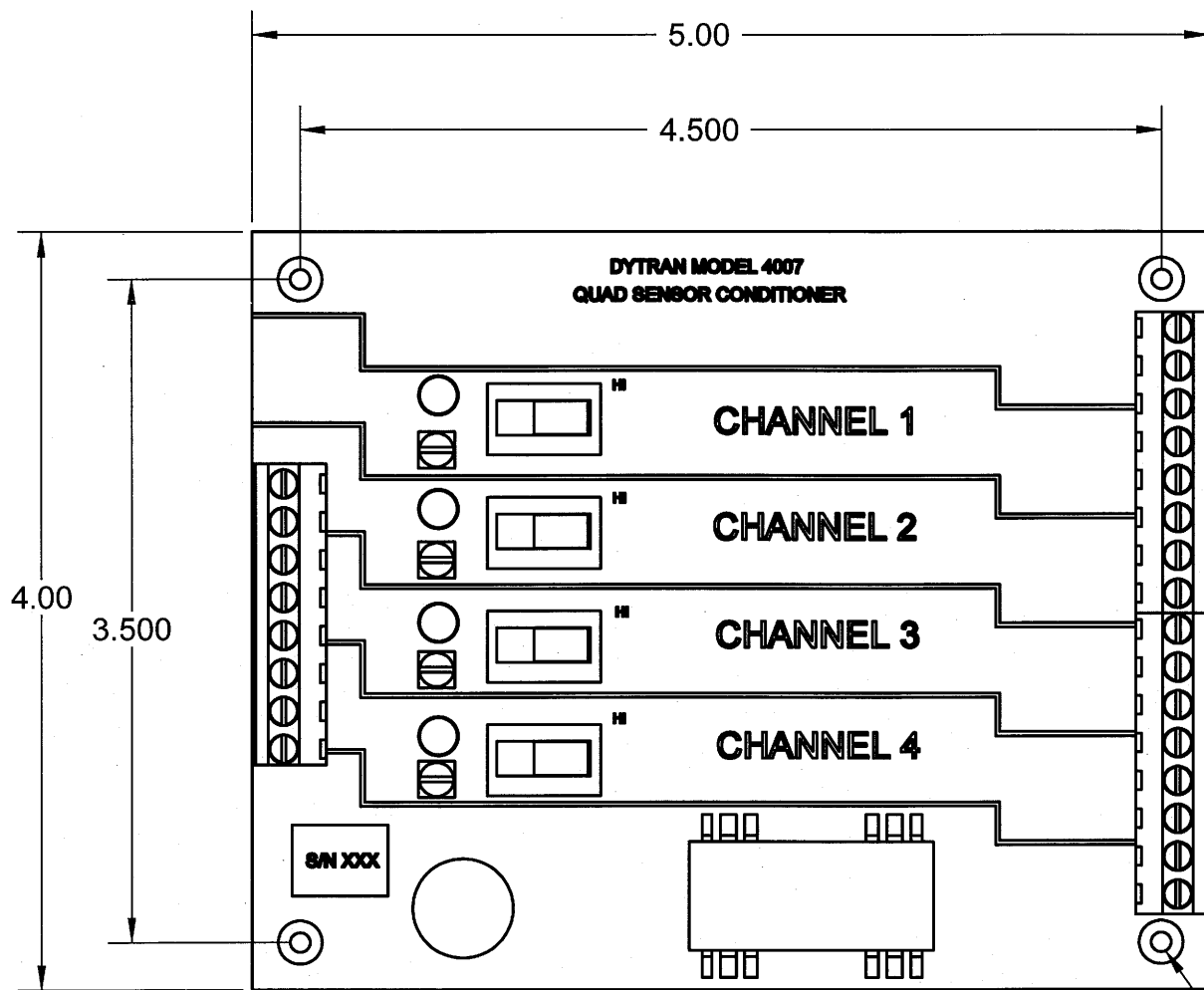


PROPRIETARY AND CONFIDENTIAL

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REVISIONS

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	5091	INITIAL RELEASE	RLA, 2/21/08	D. V.	ANS 2/22/08



ISOMETRIC VIEW

4X 6-32 THREADS

DRILL HOLE SIZE	TOLERANCE	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
.0135 THRU .125	+ .004 / - .001	ALL MACHINED SURFACES. <sup>63</sup> 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.
.1260 THRU .250	+ .005 / - .001	
.2510 THRU .500	+ .006 / - .001	
.5010 THRU .750	+ .008 / - .001	
.7510 THRU 1.000	+ .010 / - .001	
1.001 THRU 2.000	+ .012 / - .001	

THIRD ANGLE PROJECTION  
USA

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN INCHES.  
TOLERANCES ARE:  
DECIMALS .XX ± .010  
.XXX ± .005  
ANGLES ± 1°

MATERIAL:

FINISH:

DO NOT SCALE DRAWING

CONTRACT NO.	
APPROVALS	DATE
ORIG	R.A. 2/21/08
CHK	D.V. 2/22/08
APP	D.V. 2/25/08
APP	

**DYTRAN INSTRUMENTS, INC.** Chatsworth, CA

**MASTER ONLY IF IN RED**

TITLE: **OUTLINE DRAWING, QUAD SENSOR CONDITIONER**

SIZE B	CAGE CODE 2W033	DWG NO 127-4007	REV A
SCALE: 1:2	SOLIDWORKS	SHEET 1 of 1	

## SPECIFICATIONS

### MODEL 4007 FOUR-CHANNEL SENSOR CONDITIONER

#### INPUT (4 CHANNELS)

TRANSDUCER EXCITATION CURRENT	2 – 6 (adjustable)*	mA
COMPLIANCE VOLTAGE	>20	VDC
FULL SCALE INPUT, MAX.	2.0	V rms
INPUT IMPEDANCE	>100	kOhm
BOARD SUPPLY VOLTAGE REQUIRED	20-36	VDC
CONNECTOR	Two Terminals	

#### CONDITIONING

GAIN (AC OUTPUT) $\pm 0.05\%$	1	
FREQ RESPONSE -3 dB (3kHz Low Pass)	0.5 - 3000	Hz
(10kHz Low Pass)	0.5- 10000	Hz
LOW PASS FILTER CUTOFF	-24	dB/octave
COUPLING TIME CONSTANT	>5	SEC
FREQUENCY RESPONSE (BEFORE FILTERS)	20	kHz

#### OUTPUT (AC)

MAXIMUM OUTPUT	2.0	V rms
CURRENT	5.0	mA
IMPEDANCE	50	Ohm
OFFSET $\pm 50\text{mV}$	0	mV
CONNECTOR	Two Terminals	

#### OUTPUT (DC)

GAIN	2.66**	mVDC/mVRMS
MAXIMUM OUTPUT	5	VDC
CURRENT	5	mA
IMPEDANCE	10	Ohm
OFFSET $\pm 0.05\text{V}$	1	VDC
CONNECTOR	Two Terminals	

#### LOGICAL OUTPUT (CHANNEL 1 ONLY)

SIGNAL VOLTAGE	5***	VDC
SIGNAL CURRENT	30	mA

\*- The calibration is performed with 4 mA supply current.

\*\*- Gain factor can be adjusted per customer's request.

\*\*\*- There is a logical switch allowing to select the desired logical output (either 0 or 5 VDC) if the sensor on the channel 1 is disconnected.