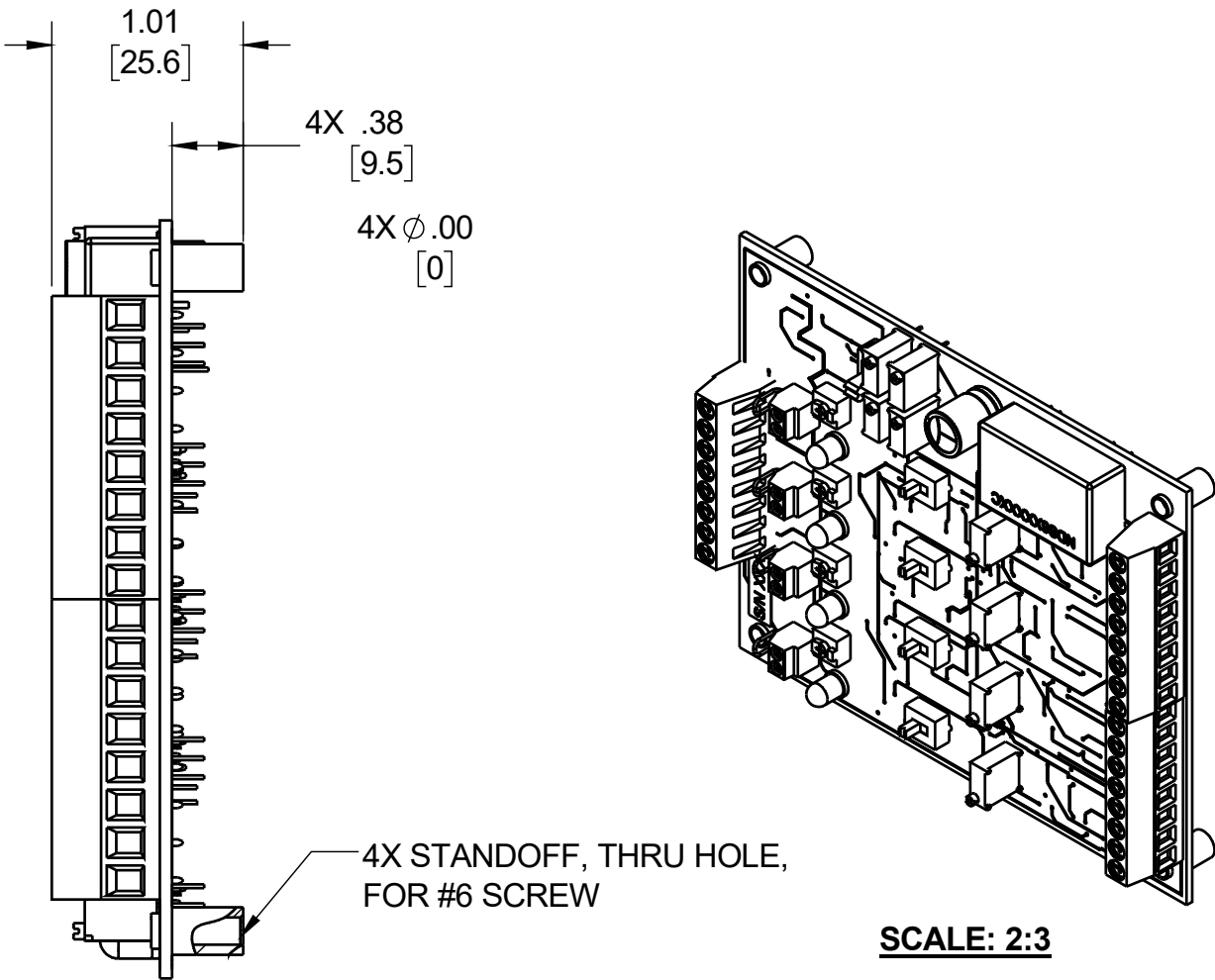
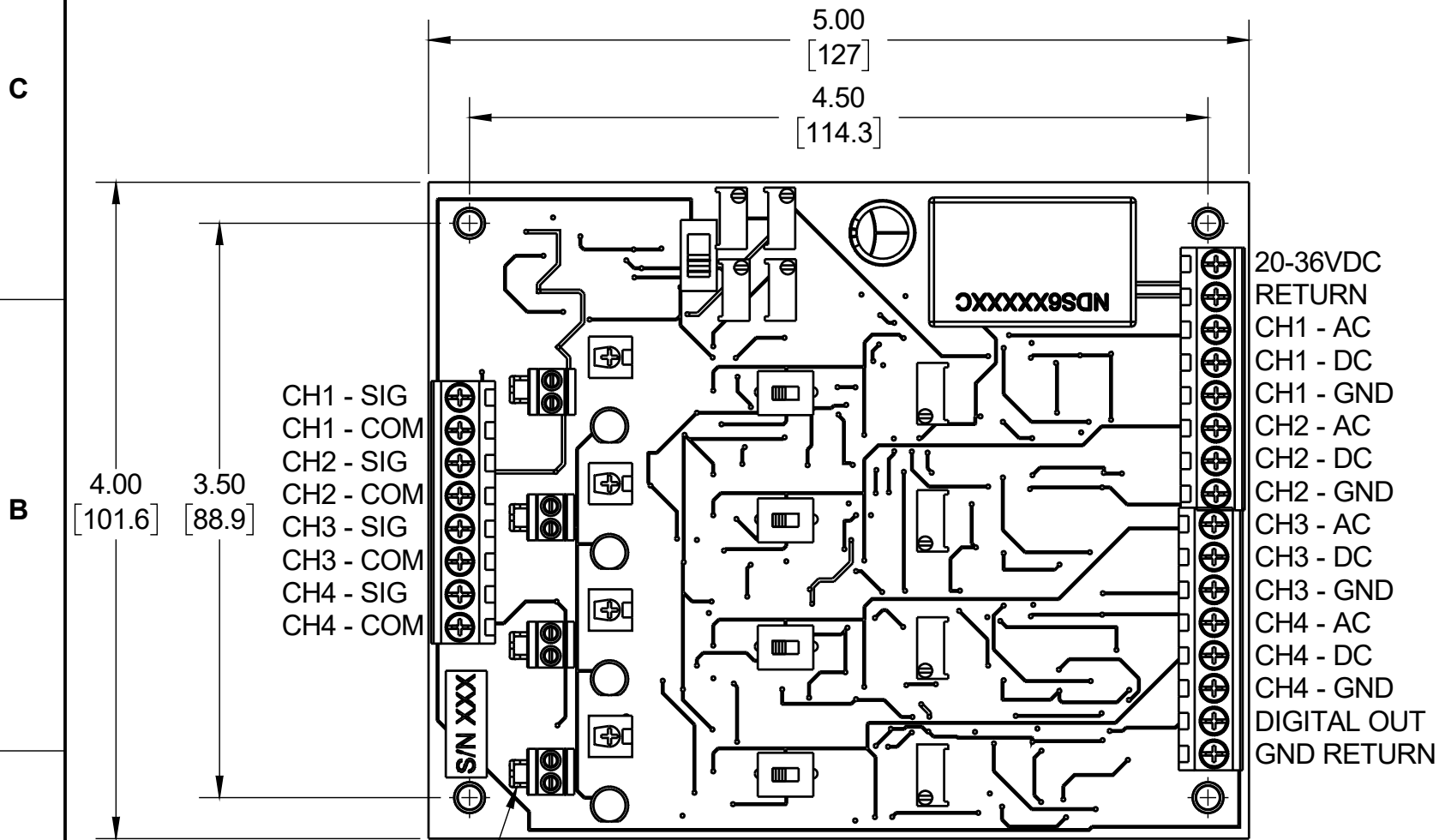


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REVISIONS

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	5091	INITIAL RELEASE	RLA, 2/21/08	DV	ANS
B	10202	REVISED TO REFLECT NEW DESIGN	LN 07/24/13	JS	AS
C	10965	4X STANDOFF, THRU HOLE, FOR #6 SCREW WAS: 4X STANDOFF, 6-32 THREAD	LN 04/29/14	DV	AS
D	10993	ADDED S/N LABEL	LN 05/08/14	MH	DV
E	16315	UPDATE DRAWING VIEWS	AS 09/22/21	AM	DV



4X JUMPER WIRES

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. $\sqrt{63}$
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.


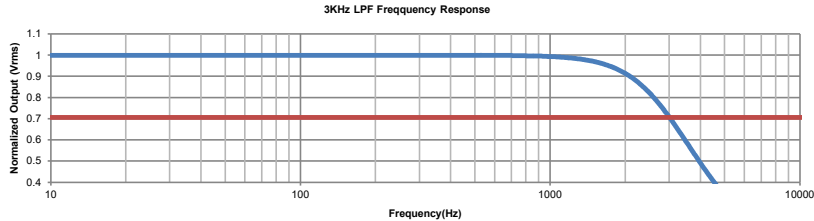
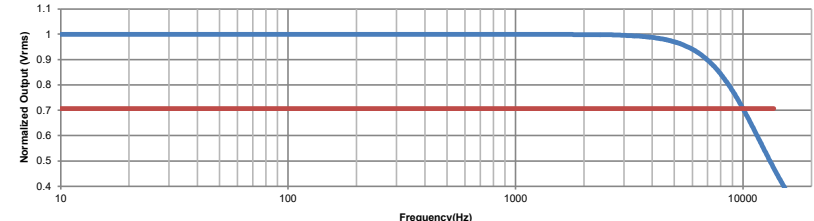
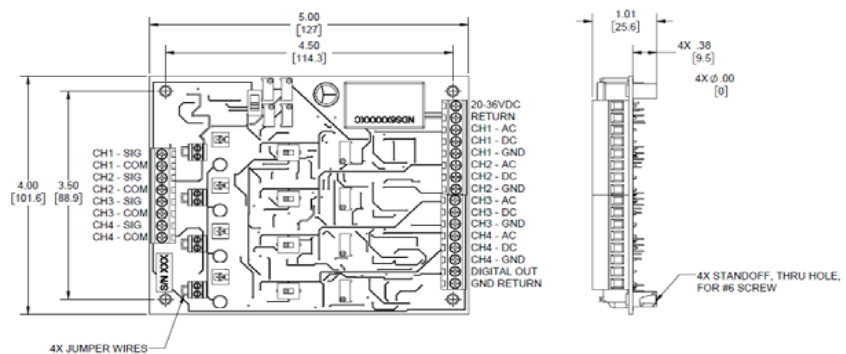
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS TOLERANCES ARE:		
DECIMALS	METRIC	ANGLES
.XX \pm .03	.X \pm 0.8	ANGLES
.XXX \pm 0.10	.XX \pm 0.25	\pm 1°
APPROVALS		DATE
ORIG	RA	02/21/08
CHK	JS	02/22/08
APP	DV	02/25/08
DO NOT SCALE DRAWING		THIRD ANGLE PROJECTION USA


Chatsworth, CA

TITLE: OUTLINE/INSTALLATION DWG, QUAD
SENSOR CONDITIONER, WITH IEPE
EXCITATION, MODEL 4007

SIZE B	CAGE CODE 2W033	DWG NO 127-4007	REV E
SCALE: 1:1		SHEET 1 OF 1	

NOTES: UNLESS OTHERWISE SPECIFIED

Model Number 4007		PERFORMANCE SPECIFICATIONS		DOC NO PS4007	
		4 CHANNEL SIGNAL CONDITIONER		REV C, ECN 16315, 09/22/21	
		DESIGNED TO BE USED WITH IEPE SENSORS ACCELEROMETERS AND PRESSURE TRANSDUCERS TRUE RMS CONVERSION OUTPUT DIGITAL LOGIC OUTPUT FOR SENSOR CONNECTIVITY INDICATION			
PHYSICAL					
Weight, Max	104.0	grams			
Input Specifications (4 Channels)					
Transducer Excitation Current [1]	2.5-10 (adjustable)	mA			
Compliance Voltage	>18	VDC			
Full Scale Input, Max	2	Vrms			
Input Impedance	>100	Kohm			
Board Supply Voltage Required	20-36	VDC			
Board Supply Current Required	100	mA			
Connector	Two Screw Terminals				
Output Specifications (AC)					
Maximum Output	2.0	Vrms			
Current Output, Minimum	5.0	mA			
Impedance	<50	Ohms			
AC Offset +/- 50mV	0	mV			
Connector	Two Screw Terminals				
Conditioning					
Gain(AC Output) +/- 0.05%	1				
Freq Response -3db (3KHz Low Pass)	0.5-3000	Hz			
+/- 300Hz (10KHz Low Pass)	0.5-10000	Hz			
Low Pass Filter Cutoff	-12	dB/Octave			
Coupling Time Constant [2]	>5	SEC			
Output Specifications (DC)					
Gain [3]	2.66	mVdc/mVrms			
Minimum Output +/-50mV	5	Vdc			
Current	5	mA			
Output Impedance	15	Ohms			
Offset +/- 0.05V [4]	1	Vdc			
Connector	Two Screw Terminals				
Logical Output (Channel 1 Only)					
Signal Voltage [5]	5	Vdc			
Signal Current	30	mA			
Environment Specification					
Operating Temperature	-40 to 85	°C			
		Supplied Accessories: 1) Accredited calibration certificate (ISO 17025)			
		Notes: [1] Calibration is performed with 4mA supply current [2] Coupling time constant may vary depending on the sensor connected to the input terminal. [3] DC gain can be adjusted per customer's request [4] Output DC offset can be adjusted with one potentiometer for all four channels [5] Logic output indicates if channel 1 sensor is operational. The Logical state of the switch can be selected by setting SW2 [6] In the interest of constant product improvement, we reserve the right to change specifications without notice. It is in the customer's responsibility to validate that a particular product with the properites described in the product specification is suitable for using in a particular application. Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary over time. 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 127-4007 for more information.			



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