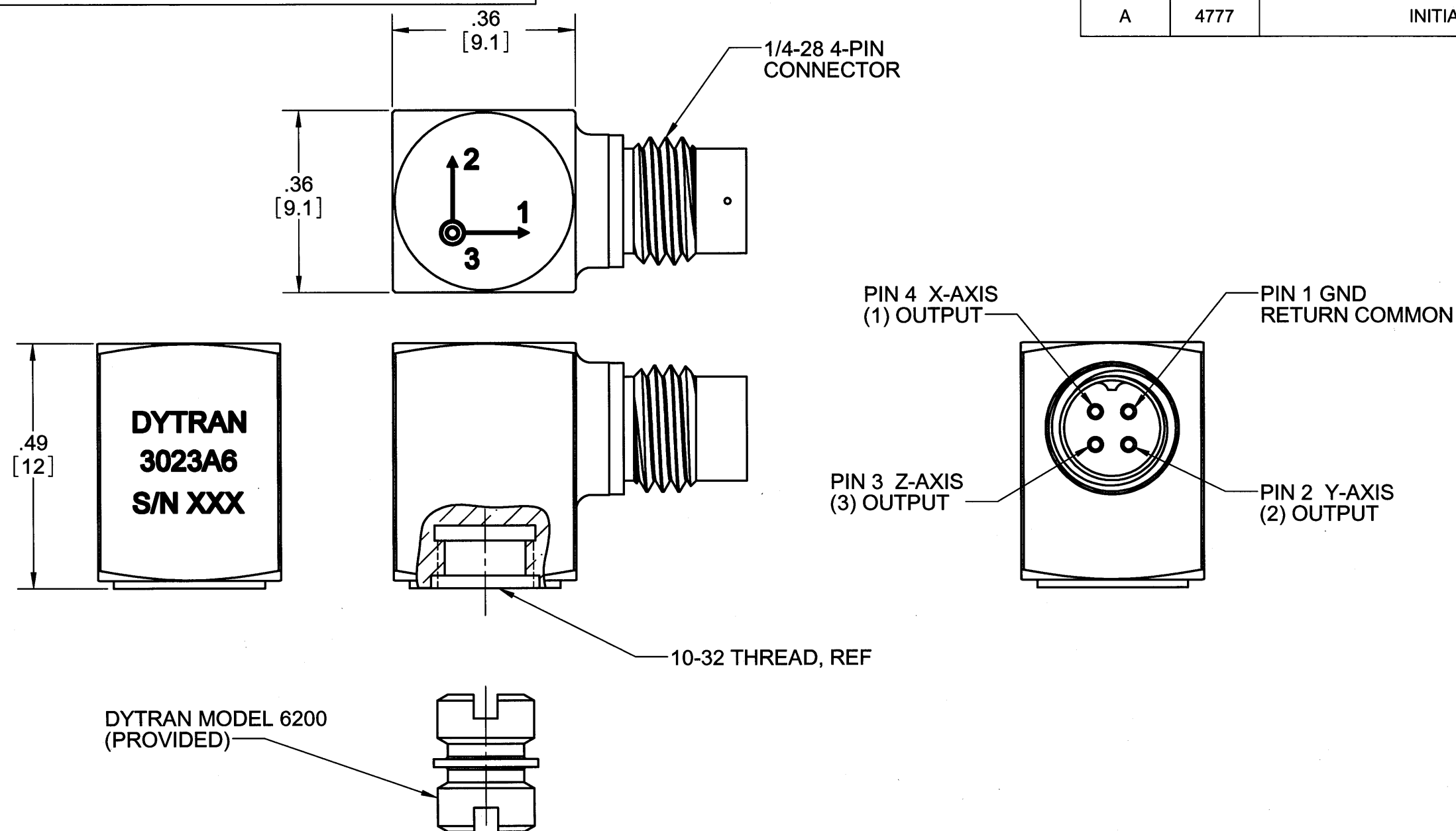


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REVISIONS

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	4777	INITIAL RELEASE	RLA, 7/30/07	CEJ	CEJ



NOTES:

1. MATERIAL: TITANIUM ALLOY
2. ARROWS INDICATE ACCELERATION DIRECTION FOR POSITIVE OUTPUT
3. WEIGHT: 4 GRAMS
4. SENSITIVITY: 5mV/g

DRILL HOLE SIZE	TOLERANCE
.0135 THRU .125	+.004 / -.001
.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



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

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.
TOLERANCES ARE:

DECIMALS	ANGLES
.XX $\pm .010$	$\pm 1^\circ$
.XXX $\pm .005$	

R MATERIAL:

FINISH:

DO NOT SCALE DRAWING

0:	CONTRACT NO.
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APPROVALS

DATE _____

ORIG	
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PML

7/26/07

CHK

66

APP

858



c. Chatsworth

TITLE:

OUTLINE DRAWING

SIZE
B

CAGE CODE
2W033

DWG NO

127-3023A6

REV	
A	

SCALE: 4:1

SOLIDWORKS

SHEET 1 of 1



SPECIFICATIONS, MODEL 3023A6 TRIAXIAL ACCELEROMETER

SPECIFICATIONS	VALUE	UNITS
PHYSICAL		
WEIGHT	4	GRAMS
SIZE (HEIGHT x WIDTH x DEPTH)	0.49 x .36 x .36	INCHES
MOUNTING	10-32 TAPPED HOLE IN BASE	
CONNECTOR	4-PIN [1]	
MATERIAL, HOUSING/CONNECTOR	TITANIUM ALLOY	
PERFORMANCE		
SENSITIVITY, -10 +15% [2]	5	mV/G
RANGE, F.S. (each axis)	+/- 1000	G
FREQUENCY RESPONSE, -5 / +15%	1.5 to 10000	Hz
ELEMENT NATURAL FREQUENCY, NOM.	40	kHz
EQUIVALENT ELECTRICAL NOISE	.0095	G, RMS
LINEARITY [3]	1	%F.S.
TRANSVERSE SENSITIVITY, MAX,	5	%
SIGNAL POLARITY	POSITIVE FOR MOTION IN DIRECTION OF ARROWS ON HOUSING	
ENVIRONMENTAL		
MAXIMUM VIBRATION	+/- 600	G
MAXIMUM SHOCK	5000	G
TEMPERATURE RANGE	-60 to +250	°F
ENVIRONMENTAL SEAL	HERMETIC	
COEFFICIENT OF THERMAL SENSITIVITY	.03	%/°F
ELECTRICAL		
SUPPLY CURRENT RANGE, (each axis) [4]	2-to 20	mA
COMPLIANCE (SUPPLY) VOLTAGE RANGE (each axis)	+18 to +30	VDC
OUTPUT IMPEDANCE, TYP.	100	OHMS
OUTPUT BIAS VOLTAGE, NOM.	+10	VDC
DISCHARGE TIME CONSTANT, NOM.	0.3	SEC
GROUND ISOLATION	CASE GROUNDED	

[1] Connector mates with Dytran cable assy. Model 6811Axx. (xx = length in feet)

[2] Reference sensitivity measured at 100 Hz, 1 G RMS per ISA RP 37.2

[3] Linearity is % of specified full scale (or any lesser full scale range), zero-based best fit straight line method.

[4] Power only with Dytran IEPE power unit or other Dytran-compatible constant current type power unit. If power is applied without current limiting protection, the internal amplifier will be immediately destroyed.