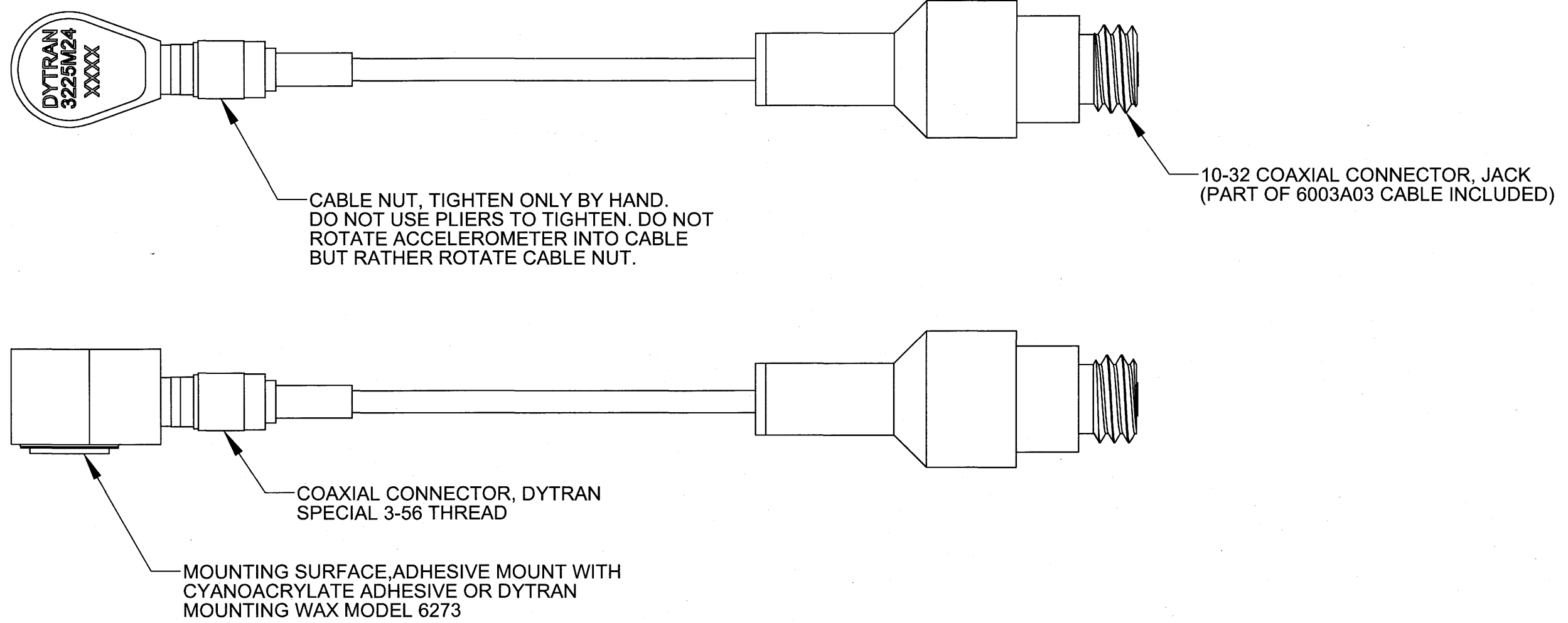


REVISIONS				
REV.	ECN	DESCRIPTION	BY/DATE	CHK APPR
B	5081	REDRAWN IN SOLIDWORKS	JS 02/28/08	PA PML



- 3. CASE AND CONNECTOR MATERIAL: TITANIUM.
 - 2. WEIGHT LESS CABLE: 0.85 GRAMS.
- △ 1 ARROW INDICATES SENSE AND DIRECTION OF INPUT ACCELERATION FOR POSITIVE GOING OUTPUT SIGNAL.
 NOTES: UNLESS OTHERWISE SPECIFIED

DRILL HOLE SIZE	TOLERANCE	UNLESS OTHERWISE SPECIFIED: INTERPRET DIM & TOL PER ASME Y14.5M - 1994.
.0135 THRU .125	+ .004 / - .001	REMOVE BURRS.
.1260 THRU .250	+ .005 / - .001	COUNTERSINK INTERNAL THDS 90° TO MAJOR DIA.
.2510 THRU .500	+ .006 / - .001	CHAM EXT THDS 45° TO MINOR DIA.
.5010 THRU .750	+ .008 / - .001	THD LENGTHS AND DEPTHS ARE FOR MIN FULL THDS.
.7510 THRU 1.000	+ .010 / - .001	THDS PER MIL-S-7742.
1.001 THRU 2.000	+ .012 / - .001	DIMENSIONS APPLY AFTER FINISHING.

THIRD ANGLE PROJECTION USA

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:	CONTRACT NO.	
DECIMALS .XX ± .010 .XXX ± .005	APPROVALS	DATE
ANGLES ± 1°	ORIG JS	02/01/08
MATERIAL:	CHK CES	2/13/08
FINISH:	APP DV	2/14/08
DO NOT SCALE DRAWING	APP	

DYTRAN INSTRUMENTS, INC. Chatsworth, CA

MASTER ONLY IF IN RED

TITLE: **OUTLINE/INSTALLATION DRAWING 3225M24**

SIZE B	CAGE CODE 2W033	DWG NO 127-3225M24	REV B
SCALE: NONE	SOLIDWORKS	SHEET 1 of 1	



SPECIFICATIONS

MODEL 3225M24 MINIATURE IEPE ACCELEROMETER

SPECIFICATION	VALUE	UNITS
PHYSICAL		
WEIGHT	1	gram
SIZE (DIA x LENGTH HEX x HEIGHT)	0.25 x 0.43 x .215	inch
MOUNTING PROVISION	Flat mounting surface for adhesive mount	
CONNECTOR, RADIALLY MOUNTED [1]	3-56	
CASE MATERIAL	Titanium	
SENSING ELEMENT TYPE	Piezoceramics, planar shear	
PERFORMANCE		
SENSITIVITY, $\pm 10\%$ [2] [3]	100	mV/g
RANGE F.S. FOR ± 5 VOLTS OUT	± 50	g
FREQUENCY RESPONSE, $\pm 10\%$ [3]	2 to 10,000	Hz
MOUNTED RESONANT FREQUENCY, NOM.	40	kHz
EQUIVALENT ELECTRICAL NOISE FLOOR	.00035	grms
AMPLITUDE NON-LINEARITY, (ZERO BASED BEST-FIT ST.LINE METHOD)	2	% F.S., MAX.
TRANSVERSE SENSITIVITY, MAX.	5	%
STRAIN SENSITIVITY @ 250 $\mu\epsilon$.05	g/ $\mu\epsilon$
ENVIRONMENTAL		
MAXIMUM VIBRATION	400	grms
MAXIMUM SHOCK	5000	gpk
TEMPERATURE RANGE	-60 TO +220	$^{\circ}$ F
THERMAL COEFFICIENT OF SENSITIVITY	.15	%/ $^{\circ}$ F
ENVIRONMENTAL SEAL	Hermetic, TIG welded & glass-to-metal seal connector	
ELECTRICAL		
SUPPLY CURRENT [4]	2 to 20	mA
COMPLIANCE VOLTAGE RANGE	+18 to +30	Volts
OUTPUT IMPEDANCE, TYP.	70	Ω
BIAS VOLTAGE	+11 to +13	Vdc
DISCHARGE TIME CONSTANT, NOM.	0.4	sec
OUTPUT SIGNAL POLARITY FOR ACCELERATION TOWARD TOP	Positive	

SUPPLIED ACCESSORIES:

- (1) MODEL 6591A INSTALLATION REMOVAL WRENCH
- (2) 6298 SMALL PETRO WAX

NOTES:

- [1] CONNECTOR MATES ONLY WITH DYTRAN CABLE MODEL 6003AXX (XX IS LENGTH IN FEET)
- [2] MEASURED AT 100 Hz, 1 grms PER ISA RP37.2.
- [3] ACTUAL SENSITIVITY IS GIVEN ON A CALIBRATION CERTIFICATE TRACEABLE TO NIST, SUPPLIED WITH EACH INSTRUMENT.
- [4] DO NOT APPLY POWER TO THIS DEVICE WITHOUT CURRENT LIMITING, 20 mA MAX. TO DO SO WILL DESTROY THE INTEGRAL IC AMPLIFIER.