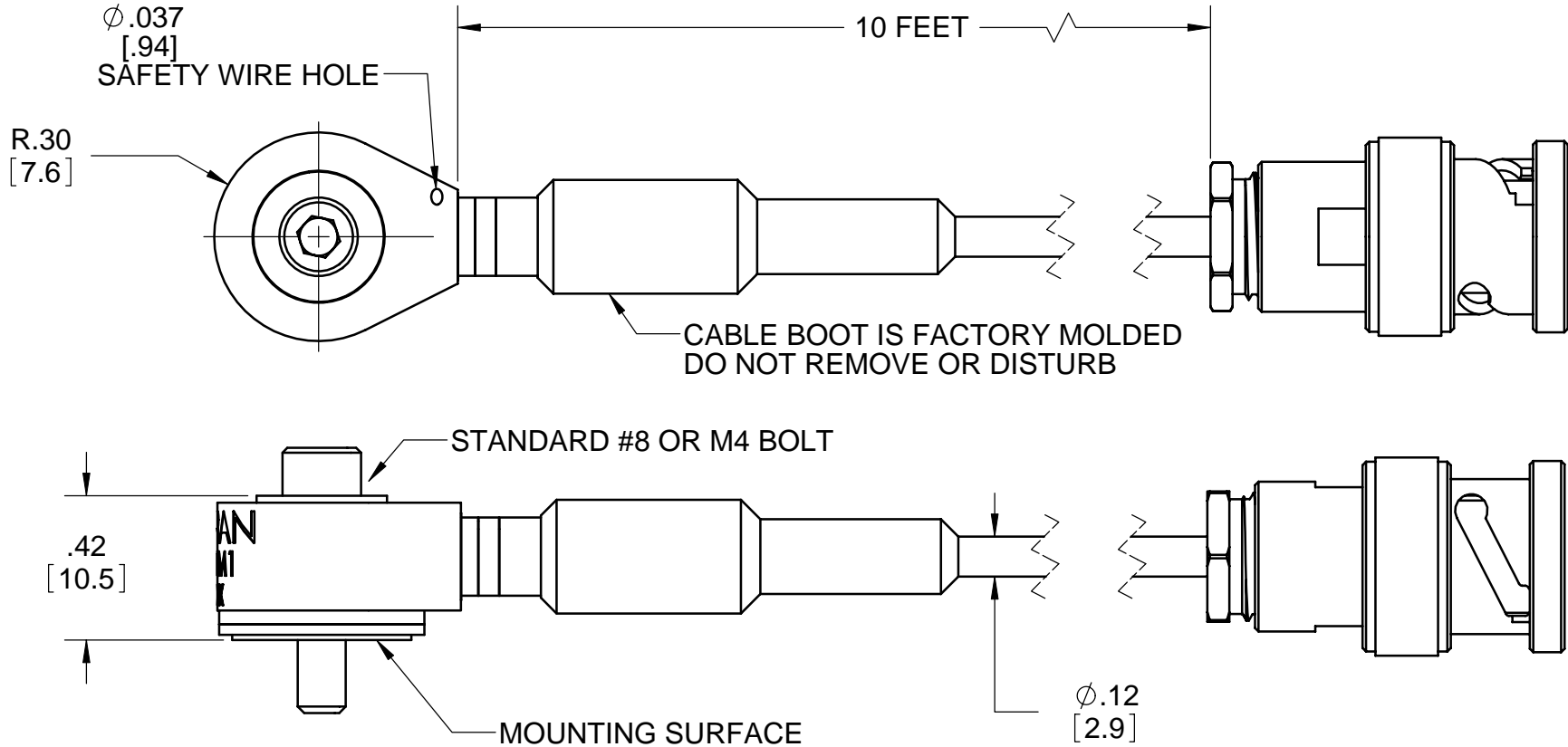


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REVISIONS

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
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2. MOLDED BOOT MATERIAL: URETHANE

1. CABLE JACKET MATERIAL: URETHANE

DRILL HOLE SIZE	TOLERANCE	UNLESS OTHERWISE SPECIFIED: INTERPRET DIM & TOL PER ASME Y14.5M - 1994.
.0135 THRU .125	+0.004 / -.001	REMOVE BURRS.
.1260 THRU .250	+0.005 / -.001	COUNTERSINK INTERNAL THDS 90° TO MAJOR DIA.
.2510 THRU .500	+0.006 / -.001	CHAM EXT THDS 45° TO MINOR DIA.
.5010 THRU .750	+0.008 / -.001	THD LENGTHS AND DEPTHS ARE FOR MIN FULL THDS.
.7510 THRU 1.000	+0.010 / -.001	THDS PER MIL-S-7742.
1.001 THRU 2.000	+0.012 / -.001	DIMENSIONS APPLY AFTER FINISHING.

THIRD ANGLE PROJECTION  
USA

ALL MACHINED SURFACES.  $\checkmark$   
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 .XX ± .010 .XXX ± .005	ANGLES ± 1°
MATERIAL <b>ERROR!:MATERIAL</b>	
FINISH	
DO NOT SCALE DRAWING	

CONTRACT NO.		
APPROVALS		DATE
ORIG	PML	5/30/07
CHK		
APP		
APP		

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

TITLE:  
**OUTLINE DRAWING**

SIZE <b>A</b>	CAGE CODE <b>2W033</b>	DWG. NO. <b>127-3211M1</b>	REV <b>3</b>
SCALE: 2:1		SOLIDWORKS	SHEET 1 OF 1



**SPECIFICATIONS, MODEL 3211M1  
IEPE ACCELEROMETER**

MODEL	RANGE F.S. (g)	MAXIMUM SHOCK (g)	SENSITIVITY (NOM) (mV/g)	ELECTRICAL NOISE (g)	NATURAL FREQUENCY (kHz)
3211M1	500	5000	10	0.0005	38

SPECIFICATION	VALUE	UNITS
DISCHARGE TIME CONSTANT, NOM.	0.5	SECOND
LOW FREQUENCY -3db POINT, NOM.	0.2	Hz
LOW FREQUENCY -5% POINT	0.6	Hz
LINEARITY [1]	±1	% F.S.
TRANSVERSE SENSITIVITY, MAXIMUM	5	%
OUTPUT IMPEDANCE, NOM.	120	OHMS
OUTPUT VOLTAGE BIAS, NOM.	+12	VDC
SUPPLY CURRENT RANGE [2]	2 to 20	mA
COMPLIANCE (SUPPLY) VOLTAGE RANGE [4]	+18 to +20	VDC
OPERATING TEMPERATURE RANGE	-60 to +250	°F
SIZE (DIA x HEIGHT) [3]	0.6 x 0.42	INCHES
WEIGHT, LESS CABLE	10	GRAMS
CONNECTOR, SIDE EXIT	INTEGRAL, 10 FEET	
MATERIAL, HOUSING	TITANIUM ALLOY	
MOUNTING PROVISION	THRU HOLE FOR #8 OR M4 THREAD SCREW	
ENVIRONMENTAL SEAL	HERMETIC, URETHANE MOLDED CABLE BOOT	
ISOLATION, CASE TO MOUNTING SURFACE, MIN	10	MΩ

[1] Percent of full scale or any lesser designated full scale range, zero-based best fit straight line method.

[2] Power only with Dytran or Dytran approved current source type power unit. Do not supply power without current limiting. You will destroy the integral electronics. This will void the warranty.

[3] Height measured from mounting surface to top of connector. Integral mounting studs are .20 in. long.