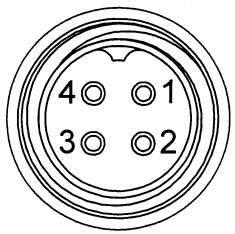
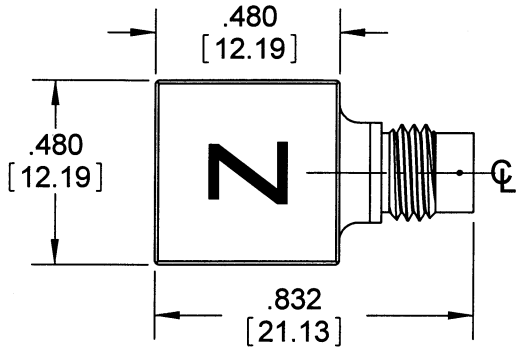
REVISIONS

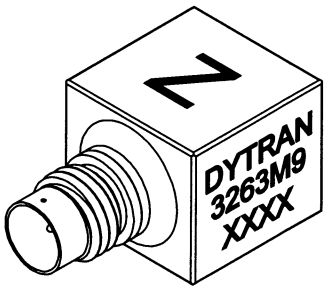
REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
B	5845	SEE ECN	RA 03/19/09	9d	DV

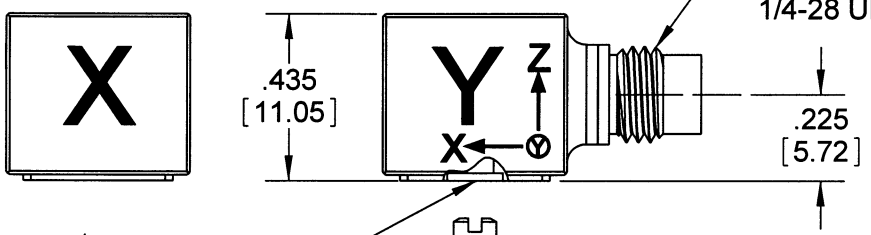


DETAIL A

CONNECTOR PINOUT
PIN 1 GND RETURN, COMMON
PIN 2 SIG/PWR AXIS 2 (Y)
PIN 3 SIG/PWR AXIS 3 (Z)
PIN 4 SIG/PWR AXIS 1 (X)

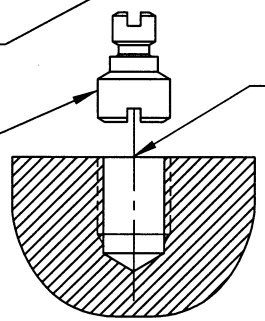






⌴ Ø.14 [4] ↧.02 [0.5]
4-40 UNC-2B ↧.10 [2.5]
MOUNTING HOLE

6



MOUNTING SURFACE HOLE PREPARATION:
SELECT SURFACE FLAT TO .001 TIR
TAP 10-32 UNF-2B X .200 MIN THD DEPTH
RECOMMENDED MOUNTING TORQUE: 6-8 LB-IN.
FOR BEST FREQUENCY RESPONSE MOUNTING SURFACE MUST CONTACT ENTIRE ACCELEROMETER MOUNTING SURFACE.

6 MOUNTING STUD 4-40 UNC-2A (MODEL 6307 SUPPLIED)

5 MATES WITH DYTRAN CABLE 6811AXX (XX=LENGTH IN FEET)

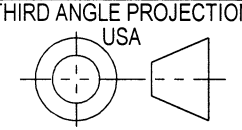
4. ARROWS INDICATE ACCELERATION DIRECTION FOR POSITIVE OUTPUT.
3. HOUSING AND CONNECTOR MATERIAL: TITANIUM
2. WEIGHT: 5.6 GRAMS APPROX.
1. ENVIRONMENTAL SEAL: HERMETIC

NOTES: UNLESS OTHERWISE SPECIFIED

3263M9	
USED ON	NEXT ASSY

APPLICATION

THIRD ANGLE PROJECTION
USA



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.
DIMENSIONS IN BRACKETS [ ] ARE IN MILLIMETERS
TOLERANCES ARE:

INCHES	METRIC	ANGLES
.XX ± .03	.X ± 0.8	± 1°
.XXX ± .010	.XX ± 0.25	

MATERIAL

FINISH

DO NOT SCALE DRAWING

CONTRACT NO.

APPROVALS		DATE
ORIG	EP	01/28/09
CHK	JS	1/30/09
APP	DV	2/2/09
APP		

DYTRAN INSTRUMENTS, INC. Chatsworth, CA

MASTER
ONLY IF IN RED

TITLE:
OUTLINE DRAWING
MODEL 3263M9
TRIAXIAL ACCELEROMETER

SIZE	CAGE CODE	DWG. NO.	REV
A	2W033	127-3263M9	B

SCALE: 2:1 | SOLIDWORKS | SHEET 1 OF 1

172-0081, REV C

MODEL NUMBER 3263M9	PERFORMANCE SPECIFICATION	DOC NO. PS3263M9
	TRIAXIAL ACCELEROMETER, IEPE	REV B,ECN 5845,03/23/09

ACTUAL SIZE

- **TRIAXIAL ACCELEROMETER**
- **HIGH SENSITIVITY**
- **WITH TEDS FUNCTION**

		ENGLISH		SI	
PHYSICAL					
Weight		0.196	oz	5.6	grams
Mounting, Integral Thread		4-40 UNC-2B		4-40 UNC-2B	
Connector [1]	Type	4 PIN		4 PIN	
Material Body	Material	Titanium		Titanium	
Sensing Element	Material	Ceramic		Ceramic	
	Mode	Shear		Shear	
PERFORMANCE					
Sensitivity +/- 10% [2]		100	mV/g	10.2	mV/ m/s^2
Range F.S. For ± 5 Volts Output		± 50	g	± 490.5	m/s^2
Frequency Range, ± 10%		0.1 to 7000	Hz	0.1 to 7000	Hz
Resonant Frequency, NOM		>24	KHz	>24	KHz
Linearity Max [3]		± 1%	%F.S	± 1%	%F.S
Transverse Sensitivity, Max.		6%		6%	
Equivalent Electrical Noise Floor		0.0008	g rms	0.008	m/s^2 rms
Spectral Noise	1Hz	100	µGrms/sqr(Hz)	981	um/s^2 rms/sqr(Hz)
	10Hz	50	µGrms/sqr(Hz)	490.5	um/s^2 rms/sqr(Hz)
	100Hz	10	µGrms/sqr(Hz)	98.1	um/s^2 rms/sqr(Hz)
	1000Hz	10	µGrms/sqr(Hz)	98.1	um/s^2 rms/sqr(Hz)
	10000Hz	5	µGrms/sqr(Hz)	49.05	um/s^2 rms/sqr(Hz)
ENVIRONMENTAL					
Maximum Vibration		600	±gpk	5886	± m/s^2 pk
Maximum Shock		5000	±gpk	49050	± m/s^2 pk
Temperature Range		-60 to +180	°F	-51 to 82	°C
Seal		Hermetic		Hermetic	
ELECTRICAL					
Supply Current [4]		2 to 20	mA	2 to 20	mA
Compliance Voltage Range		+18 to +30	V	+18 to +30	V
Output Impedance TYP		150	ω	150	ω
Bias Voltage		+11 to +13	VDC	+11 to +13	VDC
Discharge Time Constant		2.0-2.2	sec	2.0-2.2	sec
IEPE Sensor with TEDS feature		IEEE 1451.4		IEEE 1451.4	

This family also includes:

Model	Sensitivity (mV/g)	Range (Gpeak)	Resolution (Grms)	Oper. Temp(°F)	TC

Please, refer to the performance specifications of the products in this family for detailed description.

SUPPLIED ACCESSORIES

a) Model 6307 mounted stud 4-40 to 10-32.

Notes:

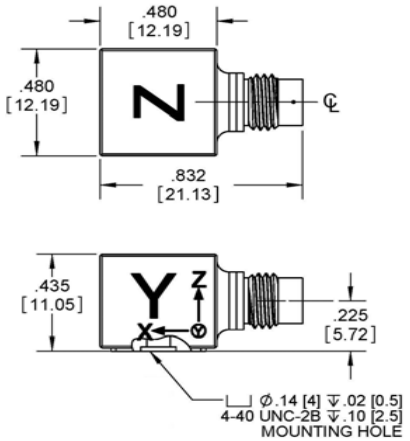
[1] Connector mates with Dytran cable assembly Model 6811AXX (XX= length in feet)

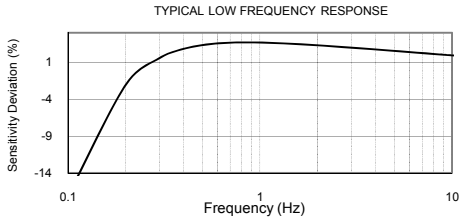
[2] Measured at 100 Hz, 1 grms per ISA RP 37.2.

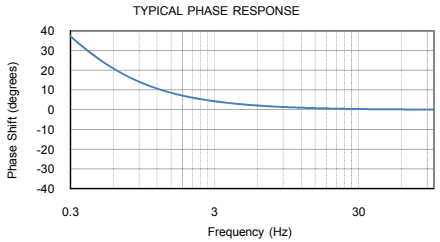
[3] Measured using zero-based best straight-line method, % of F.S. or any lesser range.

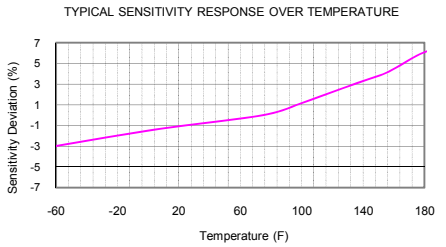
[4] Do not apply power to this device without current limiting, 20 mA MAX.

To do so will destroy the integral IC amplifier.









Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3263M9 for more information.

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