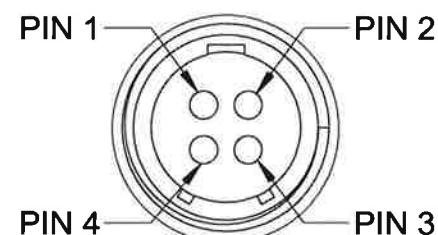


PROPRIETARY AND CONFIDENTIAL

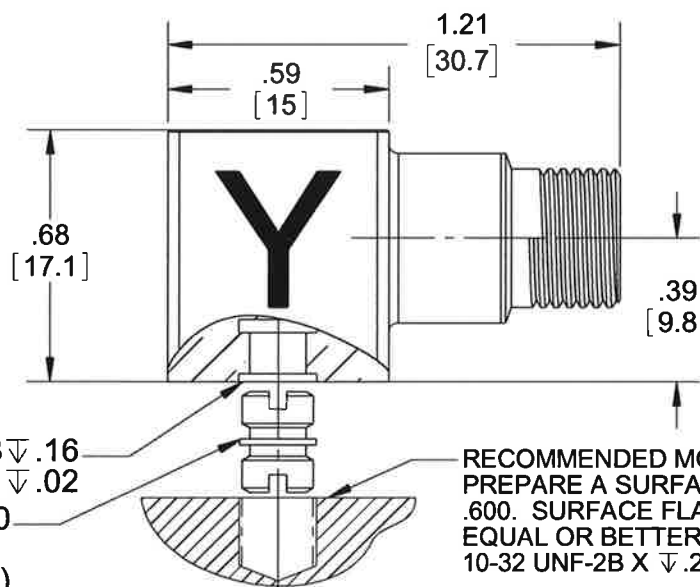
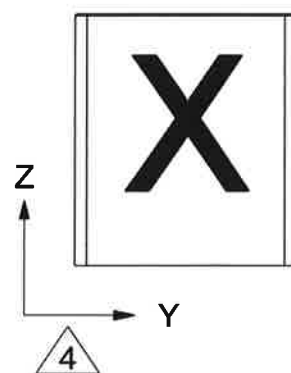
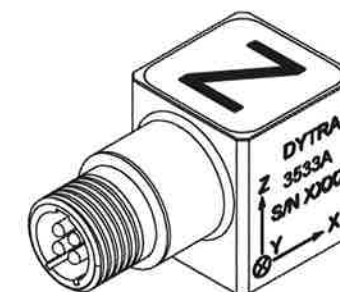
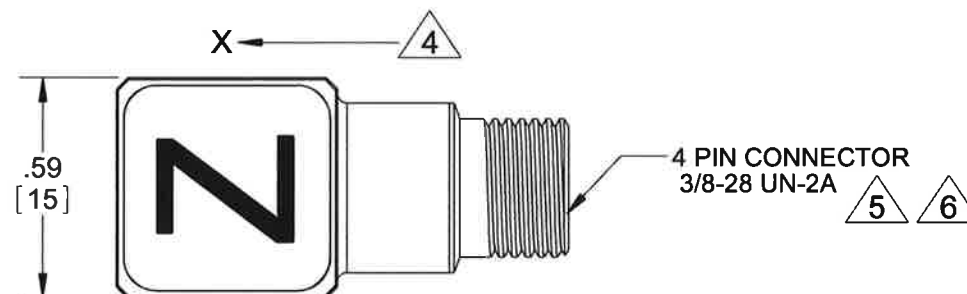
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REVISIONS

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
B	12499	NOTE 2 WEIGHT WAS: 25 GRAMS	JS 02/10/16	LA	LN
C	12594	ADDED NOTE 8, REFORMATTED TO B SIZE	JS 04/05/16	LA	AS

**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)



10-32 UNC-2B x .16
φ .21 x .02
MODEL 6200
MTG STUD
(SUPPLIED)

RECOMMENDED MOUNTING SURFACE:
PREPARE A SURFACE AT LEAST .600 X
.600. SURFACE FLATNESS MUST BE
EQUAL OR BETTER THAN .001 TIR. TAP
10-32 UNF-2B X .200 MIN.

8. MINOR VOIDS, SCARS, SCRATCHES AND MOUNTING BLEMISH/WITNESS MARKS ON EXTERIOR SURFACES ARE ALLOWED DUE TO RESTRAINING AND HANDLING DURING TESTING, TRANSPORT OR PROCESSING THESE APPEAR AS INDICATORS THAT DO NOT AFFECT FORM, FIT OR FUNCTION AS INTENDED BY DESIGN OR APPLICATION

7. RECOMMENDED TORQUE: 10-12 LB-IN

6. MATES WITH DYTRAN CABLE MODEL 6669AXX. (XX = LENGTH IN FEET)

5. MATING CONNECTOR: GLENAIR P/N: 800-006-16-Z1-6-4SN

4. ARROWS INDICATE ACCELERATION DIRECTION FOR POSITIVE OUTPUT.

3. HOUSING AND CONNECTOR MATERIAL: 304L

2. WEIGHT: 28 GRAMS MAX.

1. ENVIRONMENTAL SEAL: HERMETIC

NOTES: UNLESS OTHERWISE SPECIFIED

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.
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 ± .03	.X ± 0.8	± 1°
.XXX ± .010	.XX ± 0.25	

APPROVALS		DATE
ORIG	RT	11/26/13
CHK	MH	11/09/14
APP	RT	11/09/14


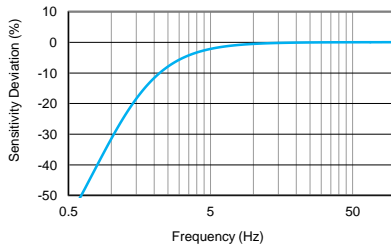
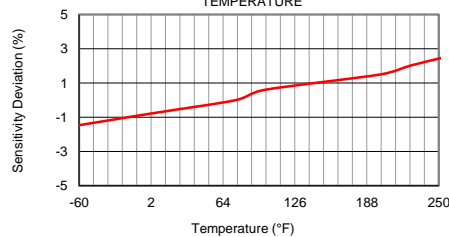
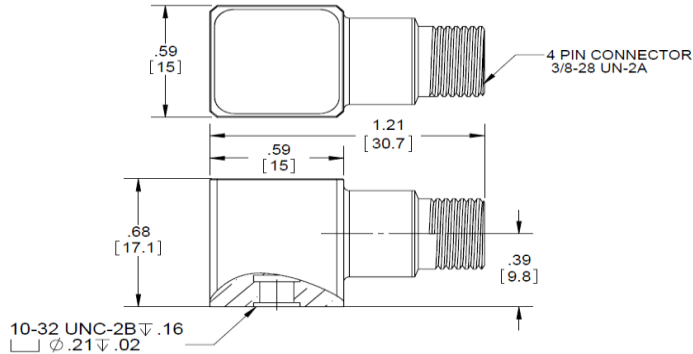

DO NOT SCALE DRAWING



TITLE: **OUTLINE/INSTALLATION
DRAWING 3533A**

SIZE	CAGE CODE	DWG NO	REV
B	2W033	127-3533A	C

SCALE: 2:1 SHEET 1 OF 1

Model Number 3533A		PERFORMANCE SPECIFICATION				Doc No PS3533A	
		Accelerometer, Triaxial, IEPE				REV B , ECN 12499, 02/10/16	
		<ul style="list-style-type: none">• GROUND ISOLATED• HERMETICALLY SEALED• STUD MOUNT• TEDS FEATURE					
		ENGLISH				SI	
PHYSICAL							
Weight, Max		1.0 oz		28 grams			
Mounting		10-32 UNC-2B		10-32 UNC-2B			
Connector [1]	Type	4 pin Mighty Mouse		4 pin Mighty Mouse			
	Material	304L		304L			
Housing	Material	304L		304L			
	Isolation	Case Isolated		Case Isolated			
Sensing Element	Material	Piezoelectric		Piezoelectric			
	Element	Shear		Shear			
PERFORMANCE							
Sensitivity, ±5% [2]		5 mV/g		0.51 mV/m/s^2			
Acceleration Range, ±		1000 Gpeak		9810 m/s^2 peak			
Frequency Range, ±5%		3.3-1000 Hz		3.3-1000 Hz			
Frequency Range, ±15%		2.2-3000 Hz		2.2-3000 Hz			
Frequency Range, ±3dB		1.1-6000 Hz		1.1-6000 Hz			
Resonance Frequency		>50 kHz		>50 kHz			
Linearity [3]		1 %F.S.		1 %F.S.			
Transverse Sensitivity, Max		6 %		6 %			
Noise floor		0.007 Grms		0.069 m/s^2 rms			
Spectral Noise	1Hz	1000 μGrms/sqr(Hz)		9810 μm/s^2 rms/sqr(Hz)			
	10Hz	500 μGrms/sqr(Hz)		4905 μm/s^2 rms/sqr(Hz)			
	100Hz	100 μGrms/sqr(Hz)		981 μm/s^2 rms/sqr(Hz)			
	1000Hz	60 μGrms/sqr(Hz)		589 μm/s^2 rms/sqr(Hz)			
	10000Hz	50 μGrms/sqr(Hz)		491 μm/s^2 rms/sqr(Hz)			
ELECTRICAL							
Supply Current Range [4]		2 to 20 mA		2 to 20 mA			
Compliance Voltage Range		+18 to +30 VDC		+18 to +30 VDC			
Output Impedance, Typ.		100 Ω		100 Ω			
Output Bias Voltage		+7 to +11 VDC		+7 to +11 VDC			
Discharge Time Constant		0.15 to 0.5 Sec		0.15 to 0.5 Sec			
ENVIRONMENTAL							
Shock Max		5000 g pk		49050 m/s^2			
Vibration Max		1500 g pk		14715 m/s^2			
Operating Temperature		-60 to +250 °F		-51 to +121 °C			
Seal		Hermetic		Hermetic			
Base Strain Sensitivity		0.002 g/με		0.02 m/s^2/με			
TEDS		IEEE 1451.4		IEEE 1451.4			
This family also includes:							
Model	Sensitivity (mV/g)	Range (Gpeak)	Noise Resolution (Grms)	Temp Range (°F)	Time Constant (sec)		
Refer to the performance specifications of the products in this family for detailed description.							
Supplied Accessories:							
1) Accredited Calibration Certificate (ISO 17025).							
2) Mounting Stud Model 6200 Supplied, QTY 1							
Notes:							
[1] Mates with Glenair connector 800-006-16-Z1-6-4SN. Dytran cable model 6669AXX.							
[2] Measured At 100 Hz, 1 Grms per ISA RP 37.2.							
[3] Measured using zero-based best straight-line method.							
[4] Do not apply power to this device without current limiting, 20mA 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 127-3533A for more information.							
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