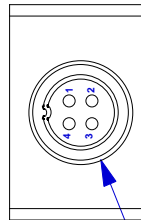
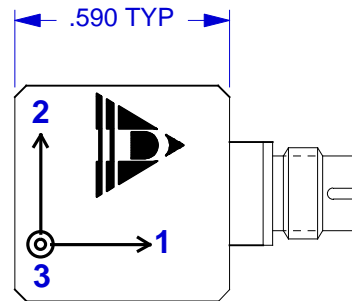




PIN #1 GND RETURN, COMMON
PIN #2 SIG/PWR AXIS 2 (Y)
PIN #3 SIG/PWR AXIS 3 (Z)
PIN #4 SIG/PWR AXIS 1 (X)

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)

DYTRAN^{usa}
 3093M4
 S/N



Technical drawing of a mechanical part, likely a shaft or pin, showing dimensions. The drawing includes a vertical dimension of .365 and a horizontal dimension of .95, indicating the size of the component.

MOUNTING
SURFACE

4. MATERIAL, HOUSING AND CONNECTOR SHELL: TITANIUM ALLOY.
3. WEIGHT: 8.0 GMS.
2. SIG/PWR GROUND IS ISOLATED FROM CASE, 10 MEGOHMS, MIN.
1. ENVIRONMENTAL SEAL: HERMETIC.



CHATS WORTH, CA.

SCALE	2X	REV	-	DATE	-	ECN	-		
DATE	10/31/02	PART NO.				MODEL 3093M4			
DRAWN	N.C.	CHECKED	R.A.	MAT'L					
APPROVED		NEXT ASSEMBLY				USED ON			
						3093M4			
TITLE						DWG NO.			
						127-3093M4			
OUTLINE/INSTALLATION DRAWING, MODEL 3093M4						SHEET 1 OF 1			

SPECIFICATIONS, MODEL 3093M4 TRIAXIAL ACCELEROMETER

SPECIFICATIONS	VALUE	UNITS
RANGE, F.S. (each axis, for ± 5 volts out)	± 100	G
SENSITIVITY, +15 -10% [1]	50	mV/G
FREQUENCY RESPONSE, +/- 10%	2 to 5000	Hz
ELEMENT NATURAL FREQUENCY, NOM.	30	kHz
DISCHARGE TIME CONSTANT, NOM.	0.5	SEC
EQUIVALENT ELECTRICAL NOISE	.007	G, RMS
LINEARITY [2]	1	%F.S.
TRANSVERSE SENSITIVITY, MAX,	5	%
OUTPUT BIAS VOLTAGE, NOM.	+10	VDC
OUTPUT IMPEDANCE, TYP.	100	OHMS
TEMPERATURE RANGE	-60 to +250	$^{\circ}$ F
COEFFICIENT OF THERMAL SENSITIVITY	.03	%/ $^{\circ}$ F
MAXIMUM VIBRATION	+/- 100	G
MAXIMUM SHOCK	500	G
SIZE (HEIGHT x WIDTH x DEPTH)	0.37 x .59 x .59	INCHES
WEIGHT	10.0	GRAMS
CONNECTOR	4-PIN [3]	
SUPPLY CURRENT RANGE, (each axis) [4]	2-to 20	mA
COMPLIANCE (SUPPLY) VOLTAGE RANGE (each axis)	+18 to +30	VDC
MATERIAL, HOUSING/CONNECTOR	TITANIUM	
ENVIRONMENTAL SEAL	HERMETIC	
MOUNTING [5]	ADHESIVE MOUNT	
GROUND ISOLATION	10, MIN.	MEGOHMS

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

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

[3] Connector mates with Dytran cable assy. Model 6041Axx. (xx = length in feet)

[4] Power only with Dytran LIVM 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.

[5] Case ground isolation is achieved by internal means.