

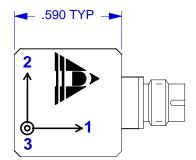
VIEW LOOKING INTO CONNECTOR

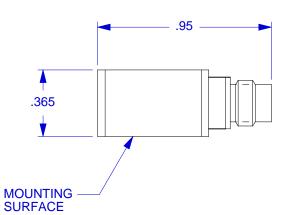
PINOUT

PIN #1 SIG/PWR AXIS 1 (X) PIN #2 SIG/PWR AXIS 2 (Y) PIN #3 SIG/PWR AXIS 3 (Z)

PIN #3 SIG/PWR AXIS 3 (2) PIN #4 GND RETURN, COMMON

CONNECTOR MATES WITH DYTRAN CABLE 6430AXX

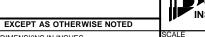




- 4. MATERIAL, HOUSING AND CONNECTOR SHELL: TITANIUM ALLOY.
- 3. WEIGHT: 10 GMS.

DYTRAN USA 3093B S/N

- 2. SIG/PWR GROUND IS ISOLATED FROM CASE, 10 MEGOHMS, MIN.
- 1. ENVIRONMENTAL SEAL: HERMETIC.



ALL DIMENSIONS IN INCHES TOLERANCE: .XXX = \pm .005 .XX= \pm .01 SURFACE FINISH EXCEPT AS NOTED

BREAK EDGES TO DEBURR .005 MAX RADIUS OR CHAMFER

FILLETS - .003 MAX RAD.

T.I.R.



ALE	2X		REV -	DATE	-	ECN	-	-		
TE	8/11	/00	PART NO.		MODEL 3093	В				
AWN	N.C.	Ř.A.	MAT'L							
PROV	ED		NEXT ASSEM	MBLY			JSED ON		3093B	
16							DWG NO			

OUTLINE/INSTALLATION DRAWING, MODEL 3093B

127-3093BSHEET 1 OF 1

CHATSWORTH, CA.



SPECIFICATIONS, MODEL 3093B TRIAXIAL ACCELEROMETER

SPECIFICATIONS	VALUE	UNITS						
PHYSICAL WEIGHT SIZE (HEIGHT x WIDTH x DEPTH) MOUNTING CONNECTOR [1]	10.0 0.37 x .59 x .59 ADHESIVE MOUNT 4-PIN [3]	GRAMS INCHES						
MATERIAL, HOUSING/CONNECTOR PERFORMANCE	TITANIUM ALLOY							
SENSITIVITY, +15 -10% [2] RANGE, F.S. (each axis) FREQUENCY RESPONSE, ± 10 % ELEMENT NATURAL FREQUENCY, NOM. EQUIVALENT ELECTRICAL NOISE LINEARITY [3] TRANSVERSE SENSITIVITY, MAX, SIGNAL POLARITY	100 ± 50 .6 to 5000 .30 .007 1 5 POSITIVE FOR MOTION IN DIRECTION OF ARROWS ETCHED O	mV/G G Hz kHz G, RMS %F.S. % N HOUSING						
ENVIRONMENTAL								
MAXIMUM VIBRATION MAXIMUM SHOCK TEMPERATURE RANGE ENVIRONMENTAL SEAL COEFFICIENT OF THERMAL SENSITIVITY	± 100 500 -60 to +250 HERMETIC .03	G G °F %/°F						
ENVIRONMENTAL								
SUPPLY CURRENT RANGE, (each axis) [4] COMPLIANCE (SUPPLY) VOLTAGE RANGE (each OUTPUT IMPEDANCE, TYP. OUTPUT BIAS VOLTAGE, NOM. DISCHARGE TIME CONSTANT, NOM. GROUND ISOLATION [5]	2 to 20 +18 to +30 100 +10 0.5 10, MIN.	mA VDC OHMS VDC SEC MEGOHMS						

NOTES:

- [1] Connector mates with Dytran cable assy. Model 6430AXX. (XX = length in feet)
- [2] Reference sensitivity measured at 100 Hz, 1 G RMS per ISA RP 37.2
- [3] Linearity is % of specified full scale (or any lesser full-scale range), zero-based best fit straight-line method.
- [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.