Sequence Technologies, Inc.
Providing Innovative Solutions

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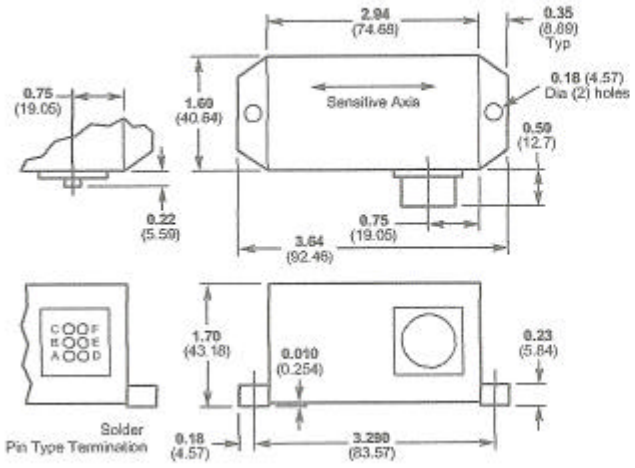
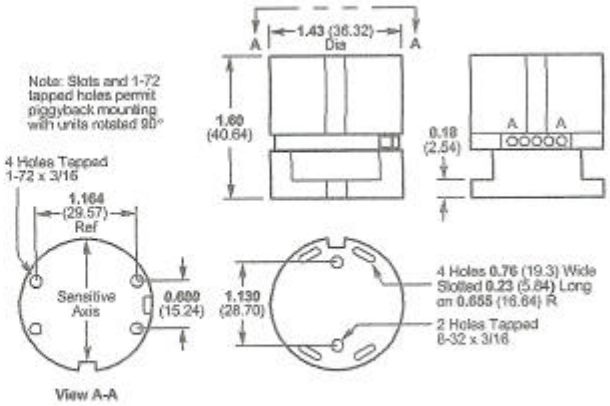
ST123 INCLINOMETER SENSORS

SPECIFICATIONS					
Parameter	**Units**	**Value**			
Input range	degrees	±1	±3	±14.5	±90
Full Range output, ±1%	V	±5.0	±5.0	±5.0	±5.0
Nonlinearity, maximum	%	0.05	0.05	0.02	0.05
Scale factor	V/g	286.5	95.5	20.0	5.0
Scale factor temperature sensitivity	ppm/C	400	300	100	60
Bandwidth (-3dB)	Hz	1.0	2.0	15.0	40.0
Input-axis misalignment	degrees	0.1	0.15	0.25	1.0
Output at 0° tilt, volts, maximum	V	0.1	0.04	0.02	0.02
Resolution and threshold	μrad	1			
Input voltage	V	12 to 18			
Noise	Vrms	0.002			
Operating Temperature	C	-18 to 71			
Shock survival	g	1500, 0.5 msec, 1/2 sine			
Mounting	type	bolt			

MECHANICAL SPECIFICATIONS:



ST123-GP



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