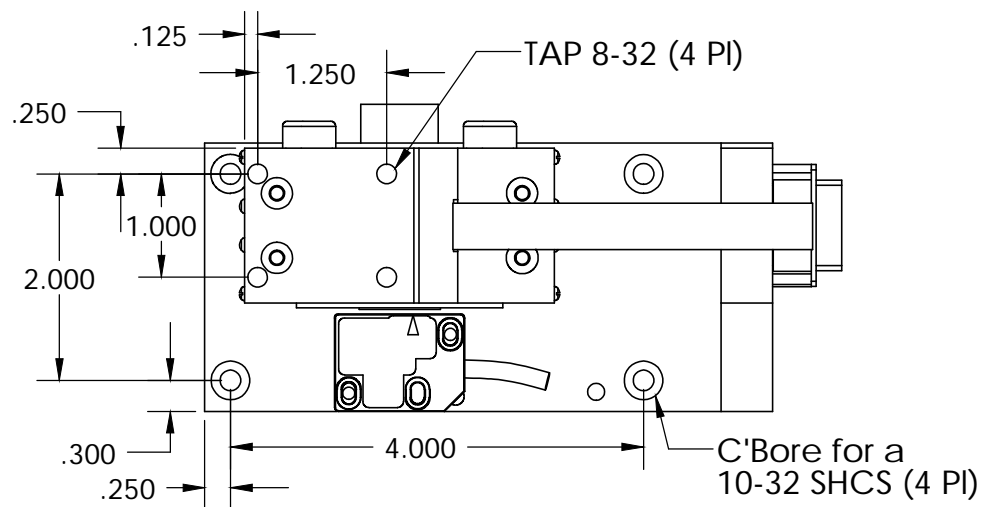
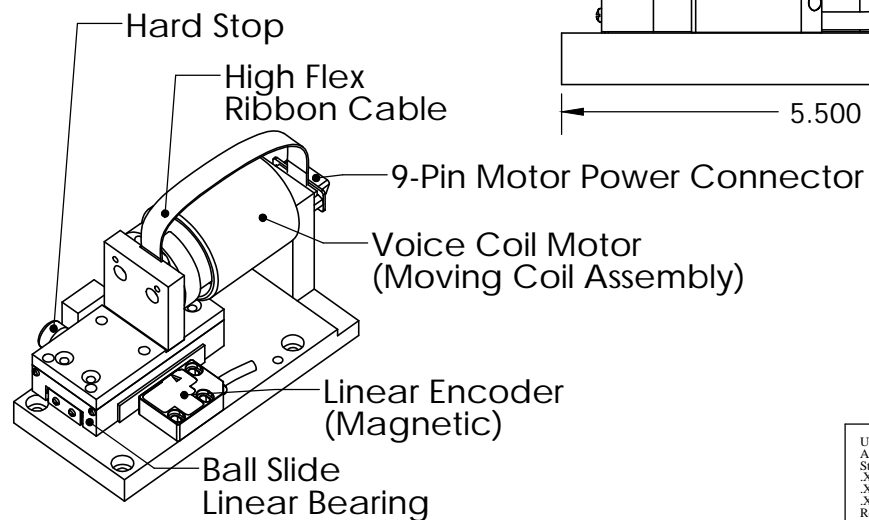
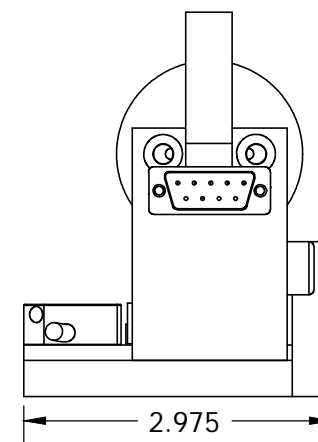
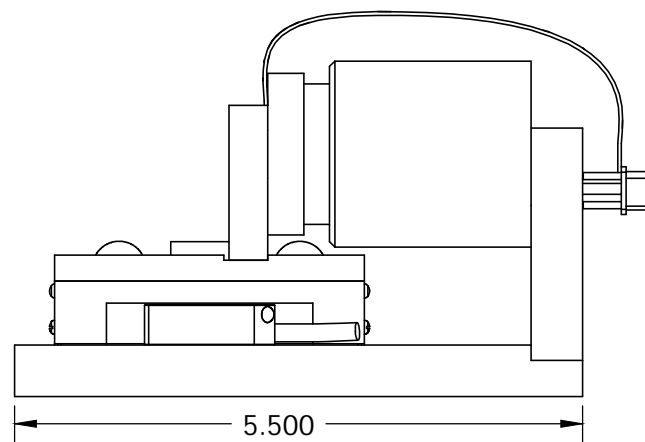


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MOTOR HAS BEEN HIDDEN TO SHOW MOUNTING HOLES



← Motion →



UNLESS SPECIFIED OTHERWISE:
All dimensions are in inches
Standard Tolerances are as follows:
XXX ±.005 ANGLES ±1°
XX ±.010 FILLETS .010
X ±.020 CORNERS .010
Remove All Burrs and Sharp Edges

MATERIAL				TITLE		
FINISH				Voice Coil Positioning Stage		
Model #: VCS05-060-BS-01-M-C						
DRAWN	DATE	APPROVED	DATE	DWG #	REV	SHEET
OOG	3-3-08	MPW	3-3-08	31-0067	B	1 of 2

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VOICE COIL POSITIONING STAGE SPECIFICATIONS		
Motor P/N	NCC05-18-060-2X	
Stroke	0.50"	12.7 mm
Encoder Resolution	1 micron	
Bearing Type	Ball Slide	
Moving Mass	0.40 lbs	182 grams
Total Mass	2.14 lbs	972 grams
Resistance @ 20C	11.5 ohms	
Inductance @ 20C	4.5 mH	
Electrical Time Constant	0.39 msec	
Motor Constant	1.78 LBS/SQRT(Watt)	7.92 N/SQRT(Watt)
Force Constant	6.3 LBS/Amp	27.8 N/Amp
Back EMF	0.7 V/ips	27.8 V/m/sec
Continuous Force	6.0 LBS	26.7 N
Max Power @ 100% Duty	12 Watts	
Peak Force	18.0 LBS	80.1 N
Max Power @ 10% Duty	102 Watts	

<small>TITLE</small> Voice Coil Positioning Stage Model #: VCS05-060-BS-01-M-C		
<small>DWG #</small>	31-0067	<small>REV</small> B
		<small>SHEET</small> 2 of 2