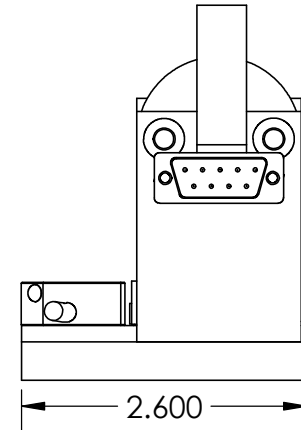
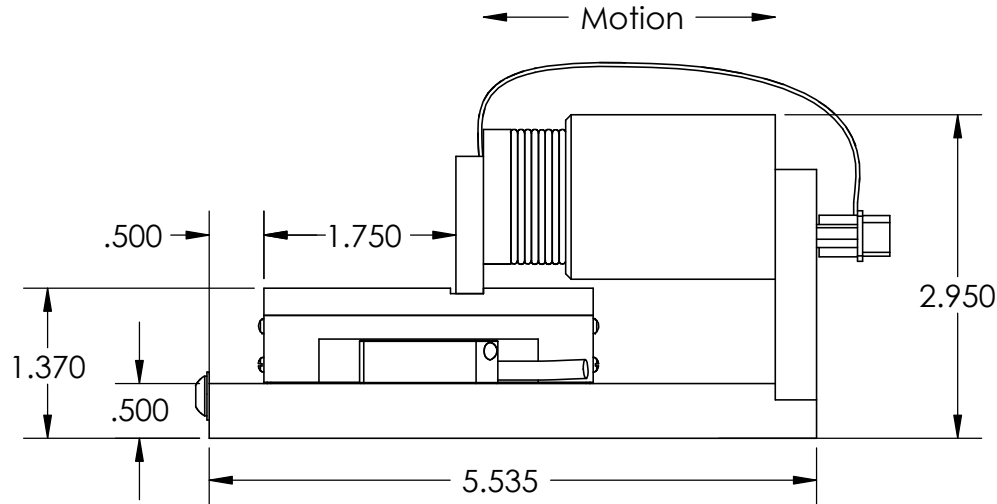
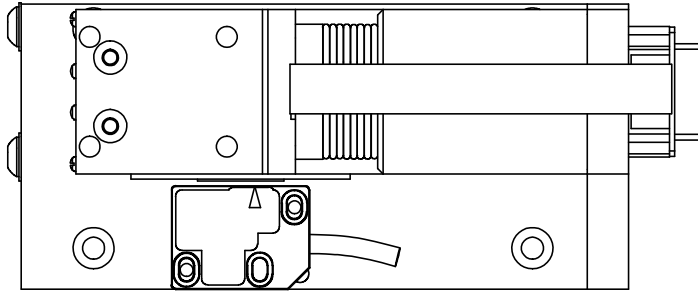


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REVISION TABLE					
REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE
---	---	Original Drawing	OOG	MPW	10-17-08
A	1483	Added end of travel hard stops. Moved stage mounting holes	OOG	MPW	11-20-12

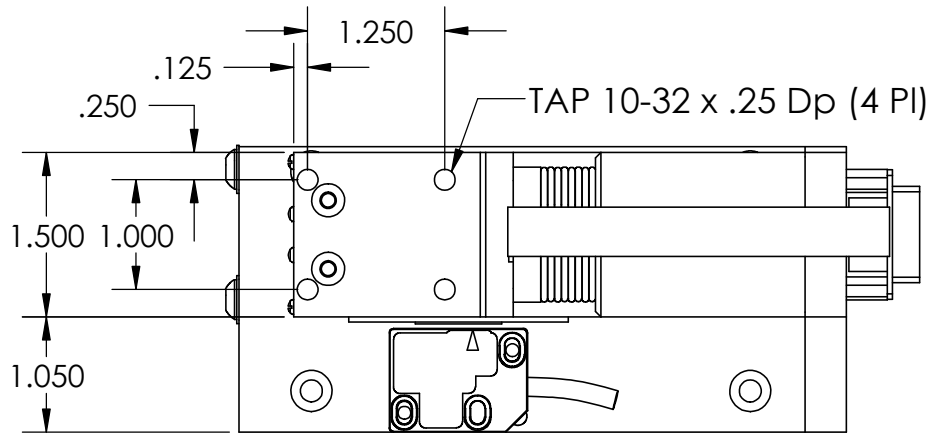


MOTOR SHOWN AT MID-STROKE

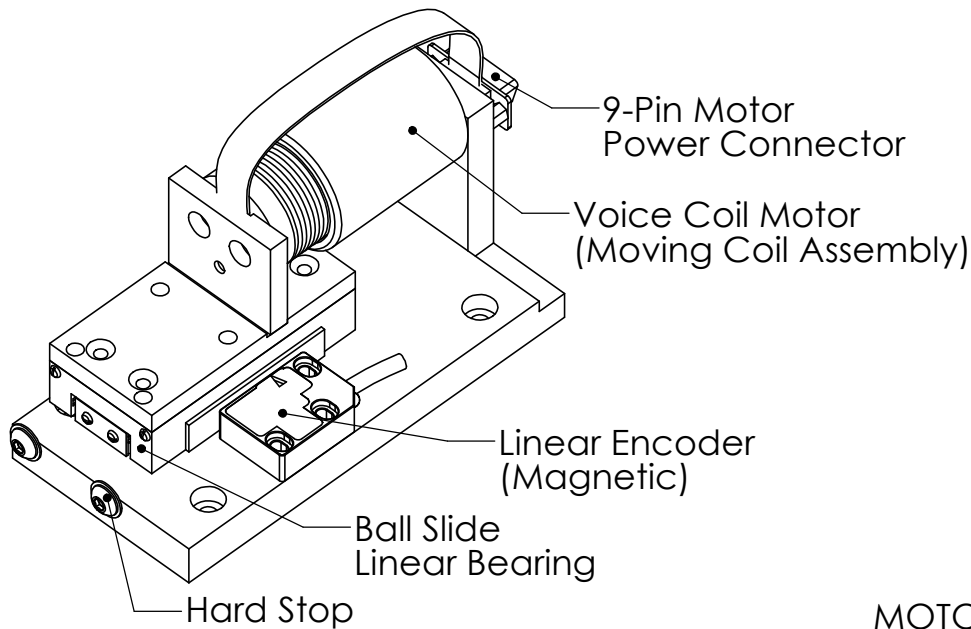
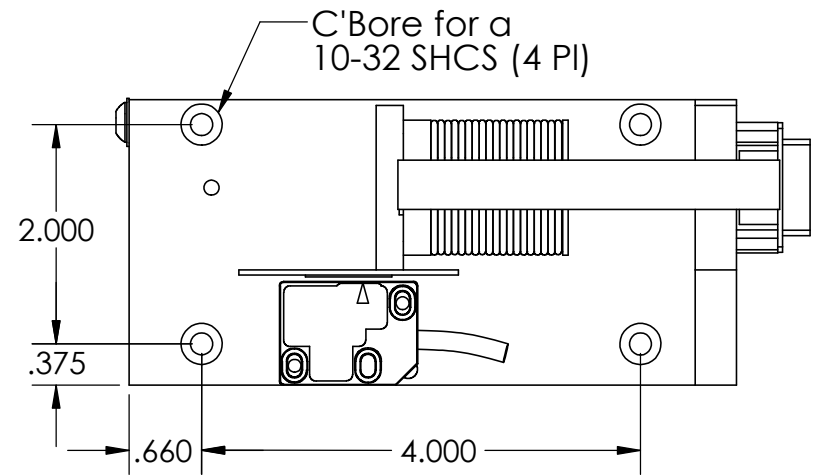
UNLESS SPECIFIED OTHERWISE: All dimensions are in inches Standard Tolerances are as follows .XXX ±.005 ANGLES ±1° .XX ±.010 FILLETS .010 .X ±.020 CORNERS .010 Remove All Burs and Sharp Edges				MATERIAL		TITLE	
				FINISH		Voice Coil Positioning Stage Model #VCS10-023-BS-01-MC	
DRAWN	DATE	APPROVED	DATE	DWG #	REV	SHEET	
OOG	10-17-08	MPW	10-17-08	31-0117	A	1 of 3	

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PAYLOAD MOUNTING HOLES



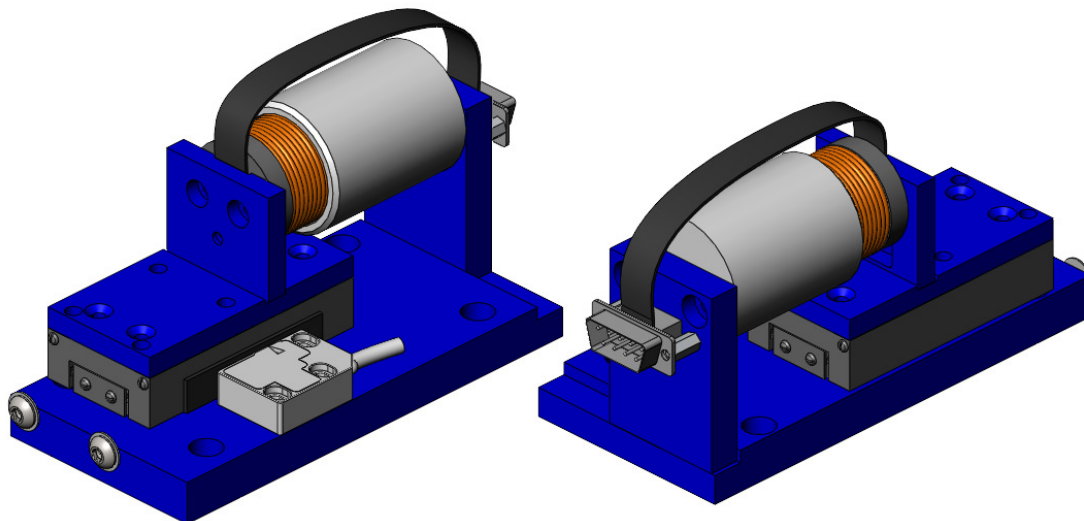
PARTS HAVE BEEN HIDDEN TO SHOW STAGE MOUNTING HOLES



MOTOR SHOWN AT MID-STROKE

TITLE	Voice Coil Positioning Stage Model #VCS10-023-BS-01-MC		
DWG #	31-0117	REV	A
		SHEET	2 of 3

MOVING COIL NON-COMM ACTUATOR SPECIFICATIONS		
Motor P/N	NCC10-15-023-1X	
Stroke	1.00"	25.4 mm
Encoder Resolution	1 micron	
Bearing Type	Ball Slide	
Moving Mass	.45 lbs	204 grams
Total Mass	2.1 lbs	953 grams
Resistance @ 20C	7.5 ohms	
Inductance @ 20C	3.3 mH	
Electrical Time Constant	0.44 msec	
Motor Constant	0.85 LBS/SQRT(Watt)	3.78 N/SQRT(Watt)
Force Constant	2.3 LBS/Amp	10.2 N/Amp
Back EMF	0.26 V/ips	10.2 V/m/sec
Continuous Force	2.3 LBS	10.2 N
Max Power @ 100% Duty	7 Watts	
Peak Force	6.9 LBS	30.7 N
Max Power @ 10% Duty	66 Watts	



TITLE	Voice Coil Positioning Stage Model #VCS10-023-BS-01-MC		
DWG #	31-0117	REV	A
		SHEET	3 of 3