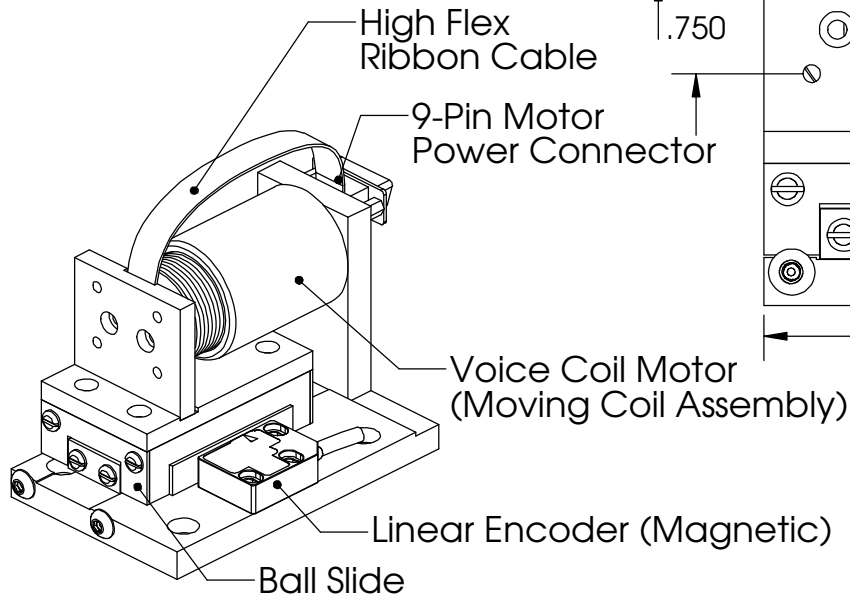
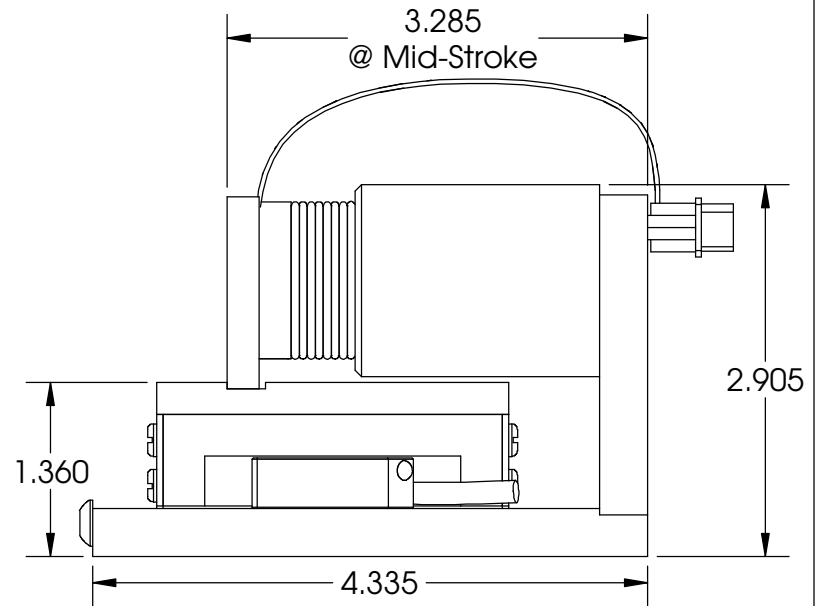
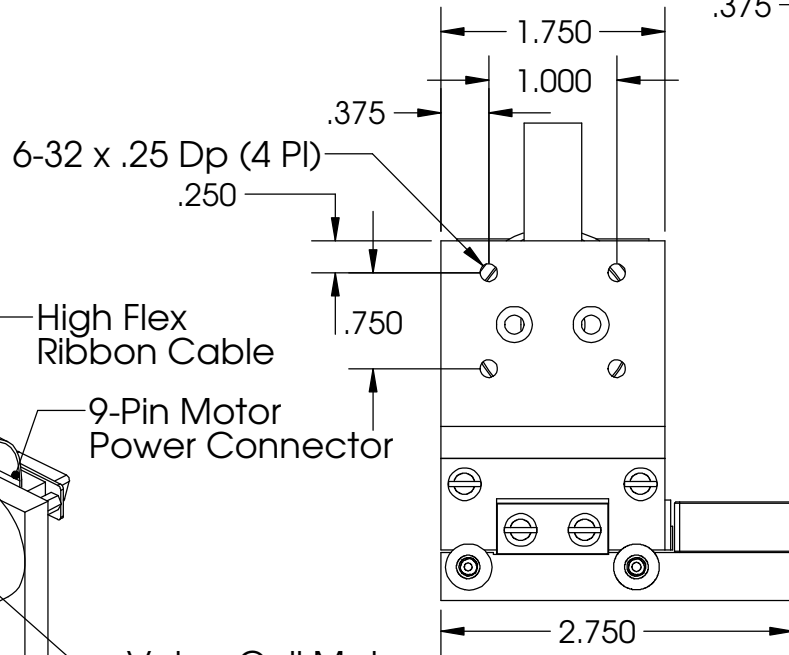
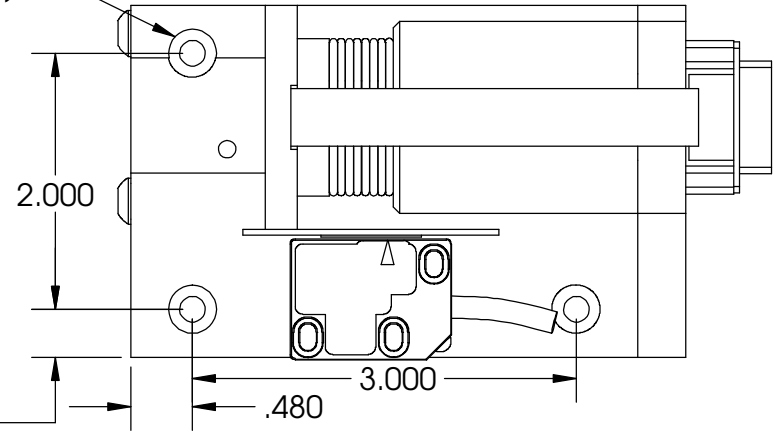


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REVISION TABLE					
REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE
---	---	Original Drawing	OOG	MPW	5-21-12

C'Bore for a  
10-32 SHCS (4 PI)

PARTS HAVE BEEN HIDDEN  
TO SHOW MOUNTING HOLES



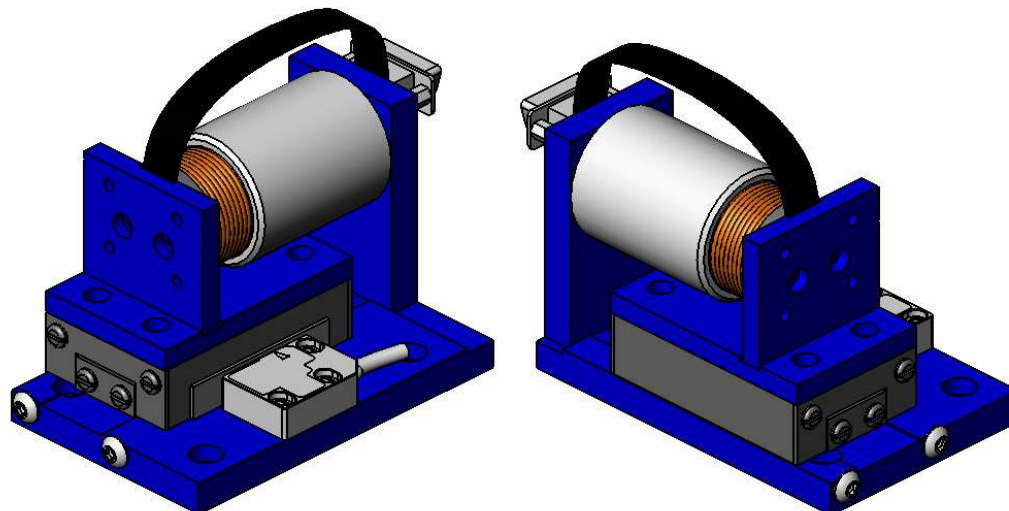
UNLESS SPECIFIED OTHERWISE:  
All dimensions are in inches  
Standard Tolerances are as follows  
.XXX ±.005 ANGLES ±1°  
.XX ±.010 FILLETS .010  
X ±.020 CORNERS .010  
Remove All Burrs and Sharp Edges

MATERIAL			
FINISH			
DRAWN	DATE	APPROVED	DATE
OOG	5-21-12	MPW	5-21-12

TITLE			
Voice Coil Positioning Stage Model #VCS10-023-BS-01-MC-A			
DWG #	REV	SHEET	
31-0343	---	1 of 2	

**H2W Technologies, Inc.**  
26470 Ruether Ave #102 Santa Clarita, CA 91350 USA  
Tel: (661) 251-2081 Fax: (661) 251-2067  
www.h2wtech.com

VOICE COIL POSITIONING STAGE SPECIFICATIONS		
Motor P/N	NCC10-15-023-1X	
Stroke	1.00"	25.4 mm
Encoder Resolution	1 micron	
Bearing Type	Ball Slide	
Moving Mass	.32 lbs	143 grams
Total Mass	1.16 lbs	528 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-A	
DWG #	31-0343	REV ---
		SHEET 2 of 2