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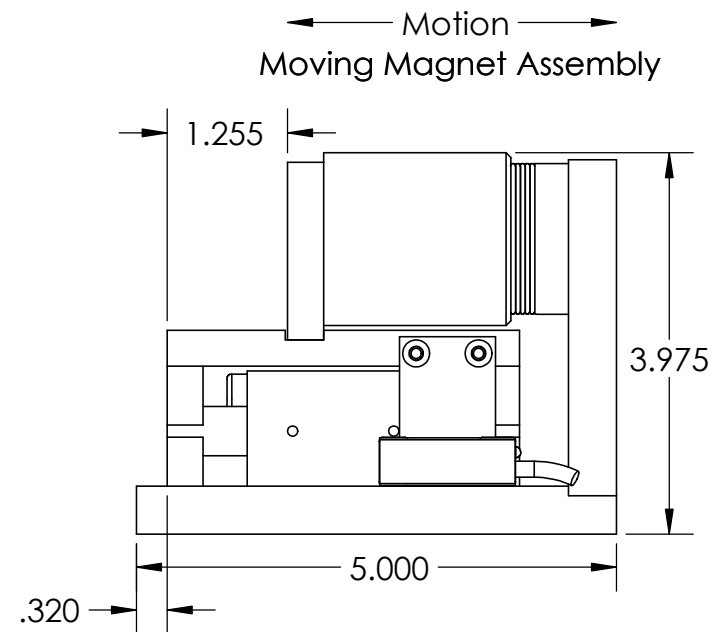
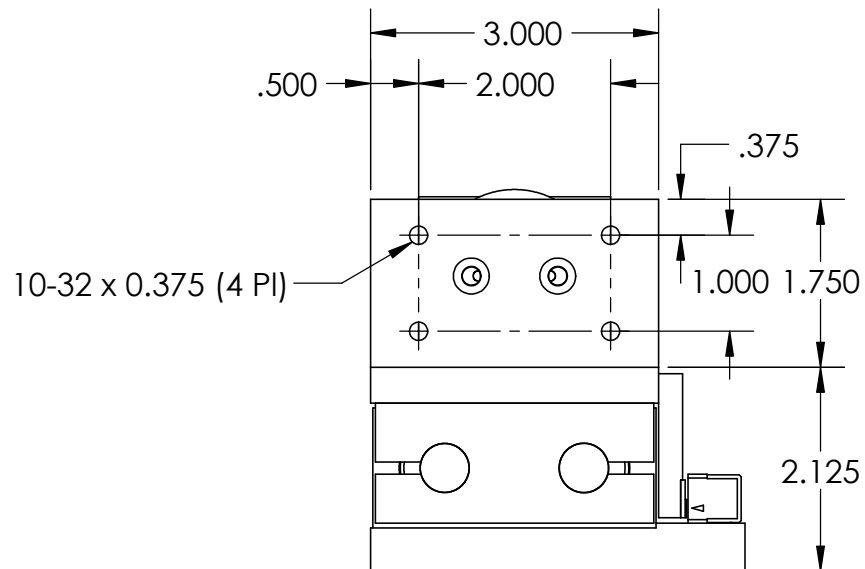
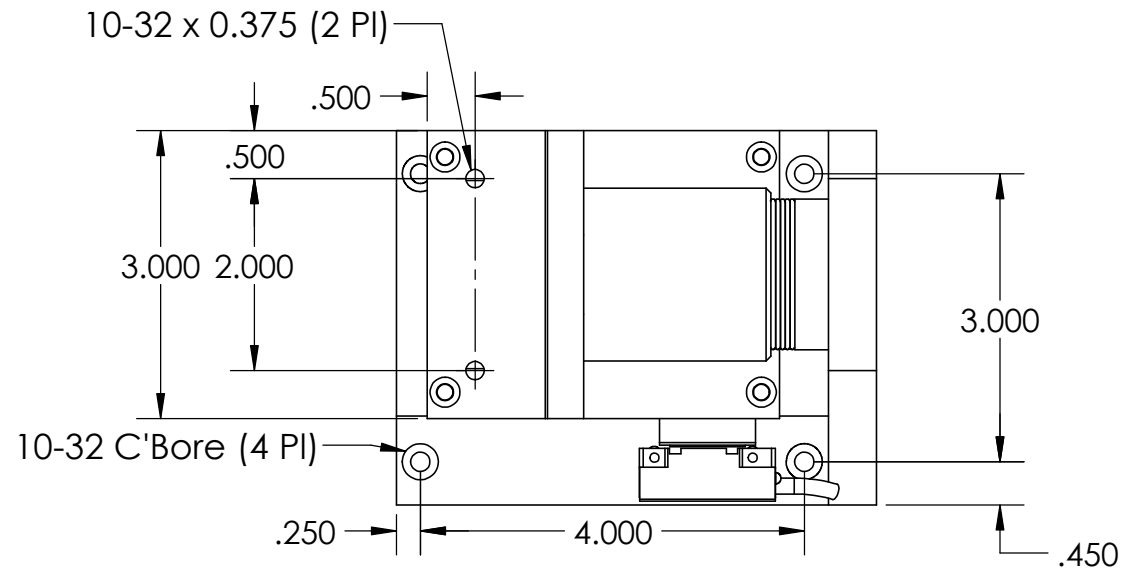
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REVISION TABLE

REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE
---	---	Original Drawing	OOG	MPW	4/9/2021



Motor Shown at Mid-Stroke



H2W Technologies, Inc.
Santa Clarita, CA 91350 USA
Tel: (661) 291-1620
www.h2wtech.com

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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

**FOR
REFERENCE
ONLY**

MATERIAL
6061-T6 Aluminum
FINISH
Anodize Blue

TITLE
**Voice Coil Positioning Stage
Model #: VCS05-060-AB-01-MM**

DWG # **31-0886**
REV
DATE 4-9-21 SHEET 1 of 2

1

2

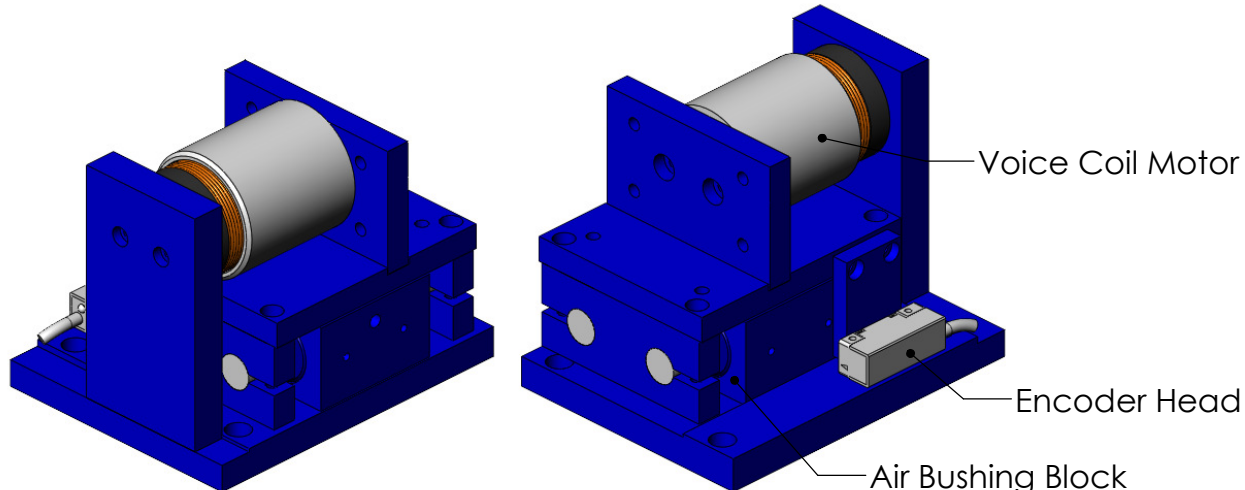
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MOVING COIL NON-COMM ACTUATOR SPECIFICATIONS

Motor P/N	NCC05-18-060-2X	
Stroke	0.50"	12.7 mm
Encoder Resolution	1 micron	
Bearing Type	Air Bushing	
Moving Mass	2.25 lbs	1.0 Kg
Total Mass	4.5 lbs	2.0 Kg
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	



Motor Shown at Mid-Stroke



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MATERIAL	6061-T6 Aluminum
FINISH	Anodize Blue

TITLE	Voice Coil Positioning Stage Model #: VCS05-060-AB-01-MM
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DWG #	31-0886
REV	----
DATE	4-9-21
SHEET	2 of 2