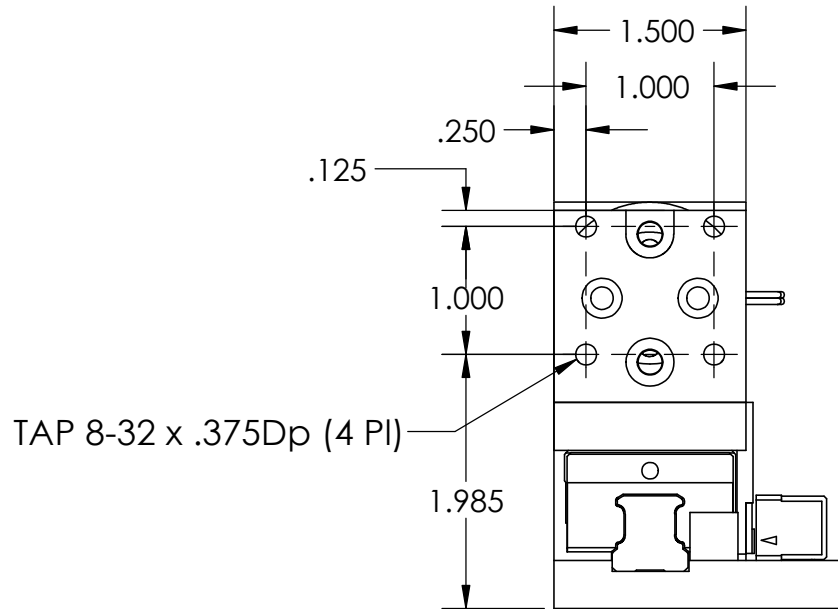
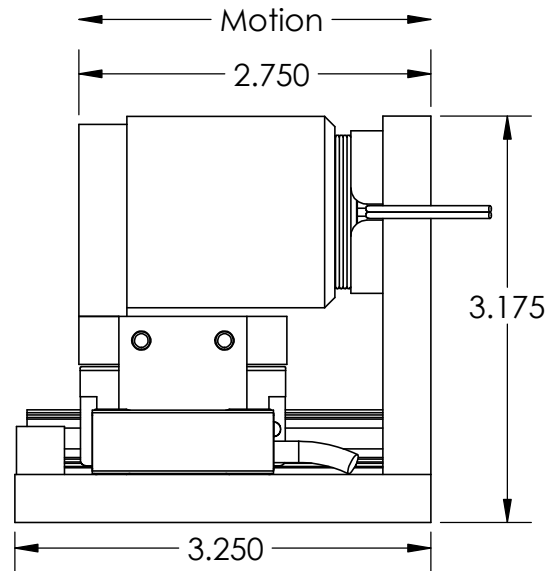
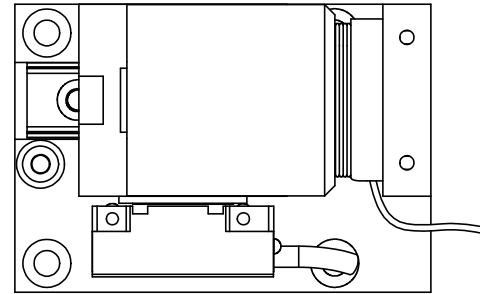


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REVISION TABLE					
REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE
---	---	Original Drawing	OOG	MPW	9-23-15



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

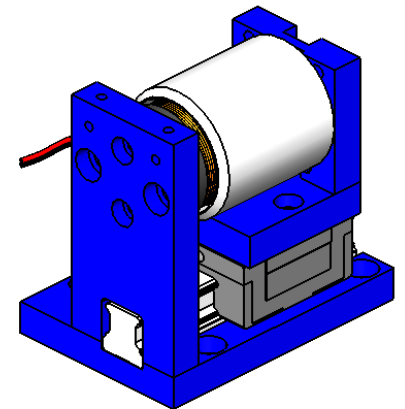
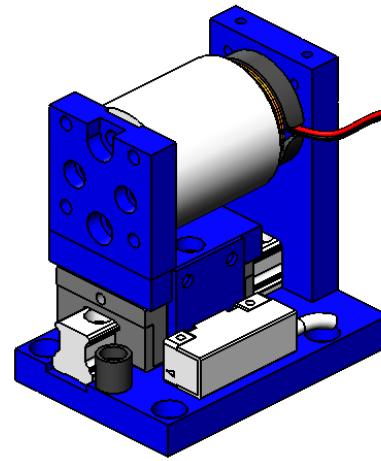
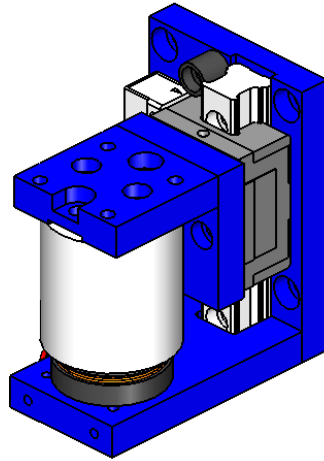
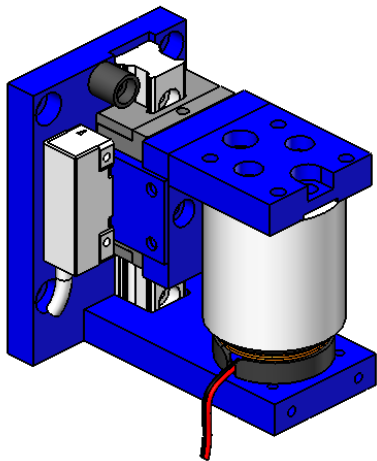
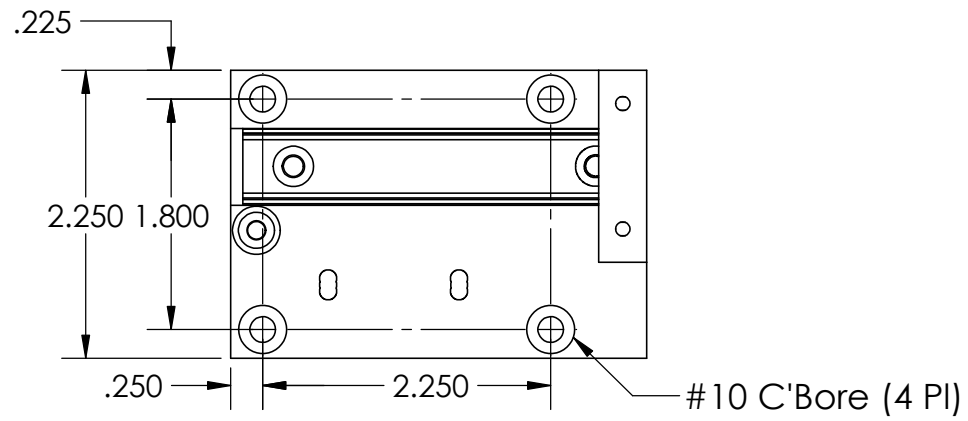
MATERIAL			
FINISH			
DRAWN	DATE	APPROVED	DATE
OOG	9-23-15	MPW	9-23-15

H2W Technologies, Inc.
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VOICE COIL POSITIONING STAGE
Model #: VCS03-050-LB-01-M

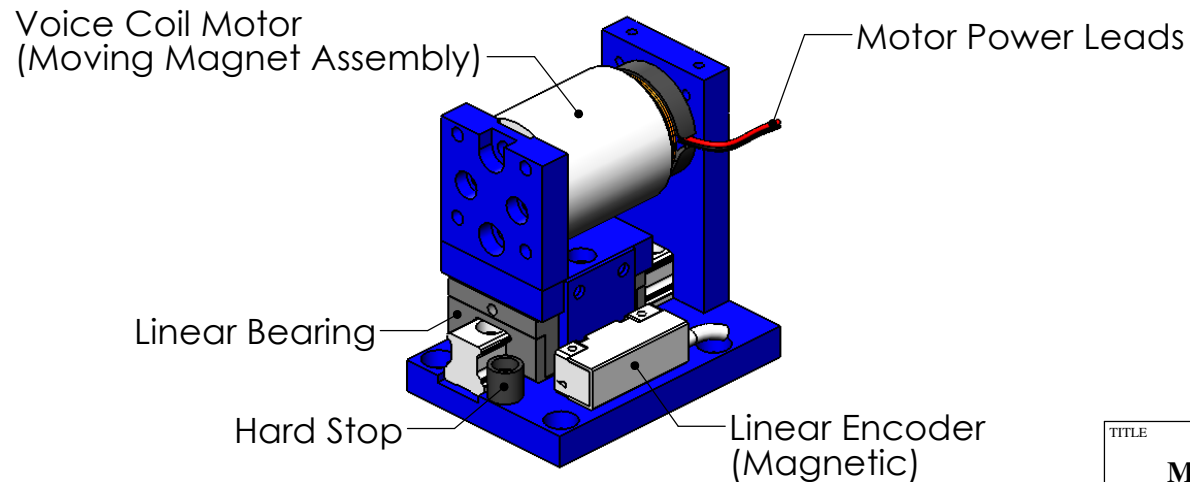
TITLE	DWG #	REV	SHEET
Voice Coil Positioning Stage Model #: VCS03-050-LB-01-M	31-0741	---	1 of 3

PARTS HAVE BEEN HIDDEN TO SHOW MOUNTING HOLES



TITLE	Voice Coil Positioning Stage Model #: VCS03-050-LB-01-M		
DWG #	31-0741	REV	---
		SHEET	2 of 3

VOICE COIL POSITIONING STAGE SPECIFICATIONS		
Motor P/N	NCC03-15-050-2X	
Stroke	0.25"	6.4 mm
Encoder Resolution	1.0 micron	
Encoder Type	Magetic	
Bearing Type	Linear Bearing	
Moving Part	Magnet Assembly	
Moving Mass	0.85 lbs	386 grams
Total Mass	1.88 lbs	854 grams
Resistance @ 20C	3.8 ohms	
Inductance @ 20C	1.3 mH	
Electrical Time Constant	0.35 msec	
Motor Constant	1.4 LBS/SQRT(Watt)	2.98 N/SQRT(Watt)
Force Constant	1.2 lbs/Amp	6.1 N/Amp
Back EMF	0.30 V/ips	11.9 V/m/sec
Force @ 100% Duty	5.0 lbs	22.3 N
Power @ 100% Duty	13.0 watts	
Current @ 100% Duty	1.9 Amps	
Force @ 10% Duty	15.0 lbs	66.8 N
Power @ 10% Duty	118 watts	
Current @ 10% Duty	5.6 Amps	



TITLE		
Voice Coil Positioning Stage		
Model #: VCS03-050-LB-01-M		
DWG #	REV	SHEET
31-0741	---	3 of 3