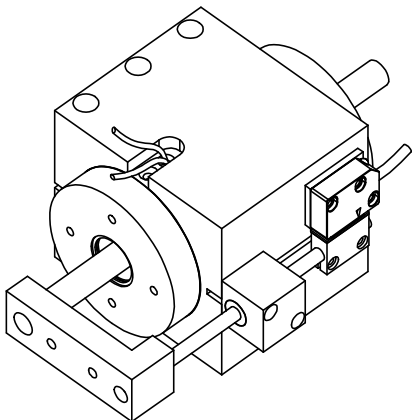
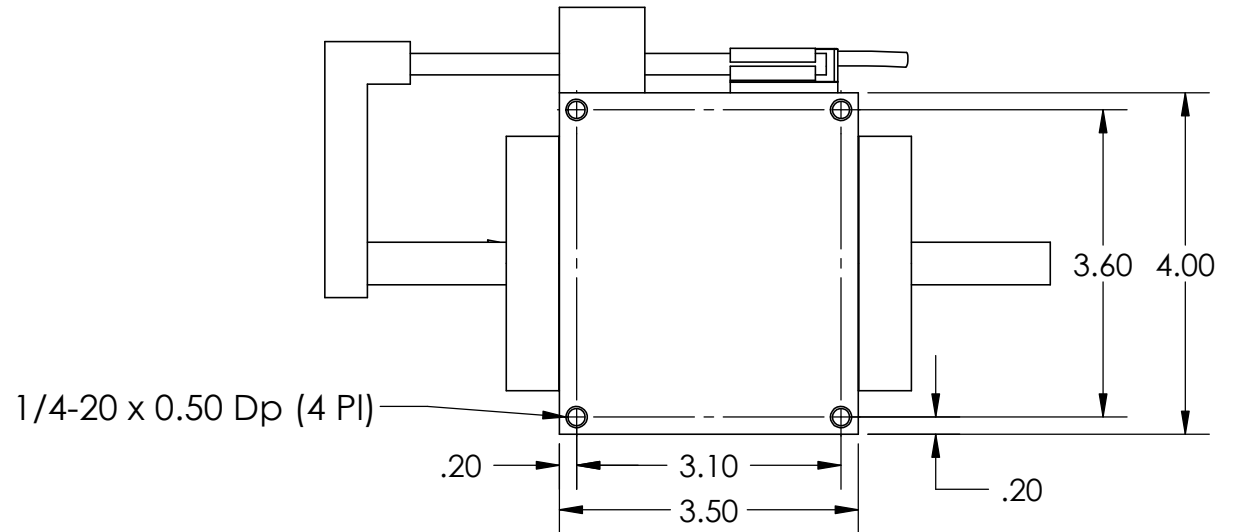
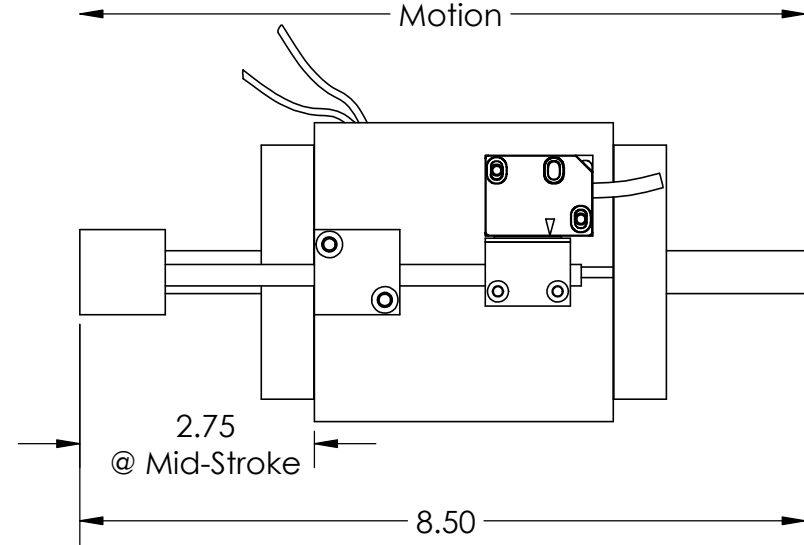
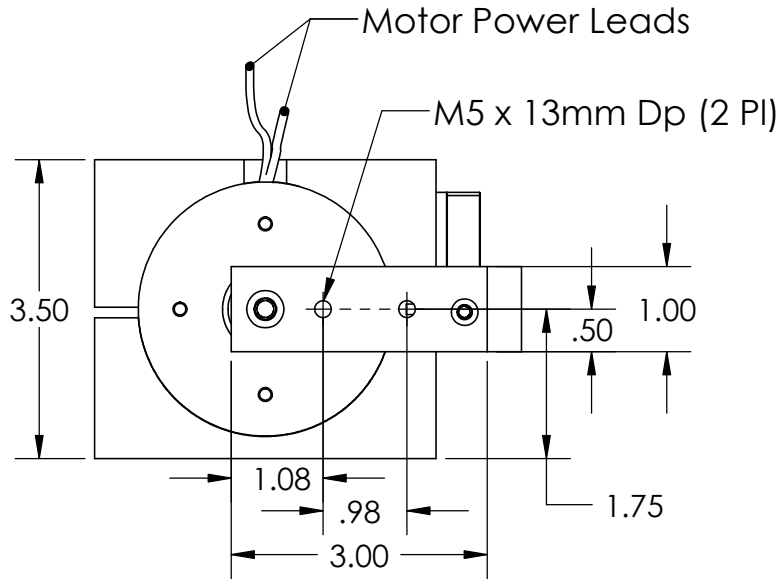


REVISION TABLE					
REV	ECN#	DESCRIPTION		REV BY	APPROVED
---	---	Original Drawing		SDC	MPW
				DATE	
				10-1-16	



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
SDC	10-1-16	MPW	10-1-16



**H2W Technologies, Inc.**  
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**TITLE**

**Voice Coil Positioning Stage  
Model #VMS05-180-LB-01**

DWG #	REV	SHEET
<b>31-0766</b>	---	1 of 2

MOVING COIL NON-COMM ACTUATOR SPECIFICATIONS		
Motor P/N	NCM05-28-180-2LB	
Stroke	0.50"	12.7 mm
Encoder Resolution	1 micron	
Bearing Type	Linear Bushing	
Moving Mass	1.74 lbs	787 grams
Total Mass	7.56 lbs	3417 grams
Resistance @ 20C	10.2 ohms	
Inductance @ 20C	5.1 mH	
Electrical Time Constant	0.50 msec	
Motor Constant	2.71 LBS/SQRT(Watt)	12.1 N/SQRT(Watt)
Force Constant	8.7 LBS/Amp	38.6 N/Amp
Back EMF	1.0 V/ips	38.6 V/m/sec
Continuous Force	18 LBS	80 N
Max Power @ 100% Duty	44 Watts	
Peak Force	54 LBS	240 N
Max Power @ 10% Duty	397 Watts	