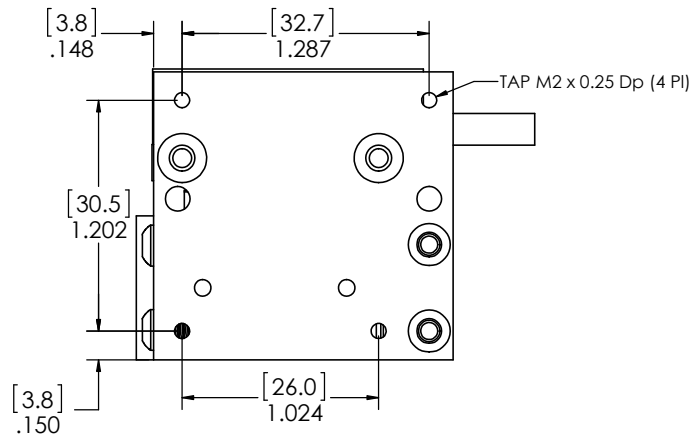
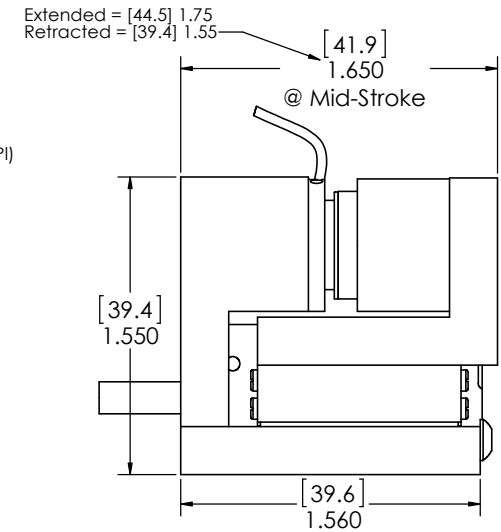
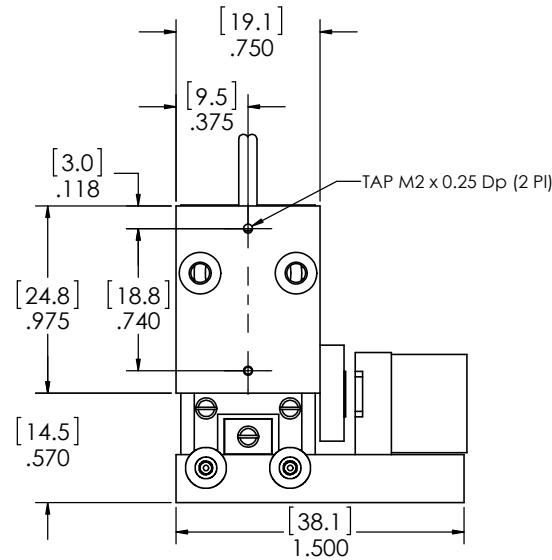
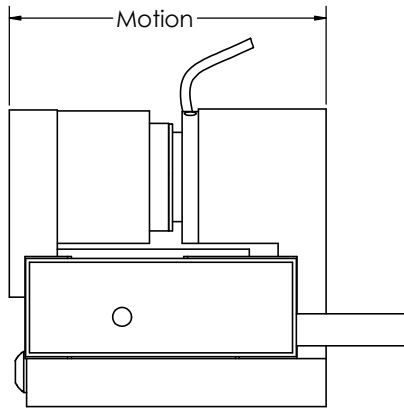
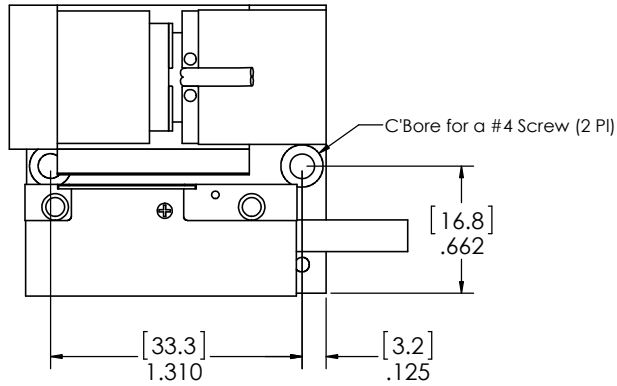


REVISION TABLE					
REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE
---	---	Original Drawing	COG	MPW	1-15-14



Dual Dimension: [mm] in

UNLESS SPECIFIED OTHERWISE: All dimensions are in inches Standard Tolerances are as follows: XXX .0005 ANGLES .01° XX .0010 FILLETS AND X .0020 CHAMFERS, RDP Remove All Burs and Sharp Edges					
MATERIAL					
FINISH					
DRAWN	DATE	APPROVED	DATE	DRG#	REV
COG	1-15-14	MPW	1-15-14	31-0670	---

**H2W Technologies, Inc.**  
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**Voice Coil Positioning Stage**  
**Model #: VCS02-001-CR-001-MC**

VOICE COIL POSITIONING STAGE SPECIFICATIONS		
Motor P/N	NCC02-07-001-1R	
Stroke	0.20IN	5.1mm
Encoder Resolution	0.1 micron	
Bearing Type	Crossed Roller	
Moving Mass	1.30 oz	37 grams
Total Mass	3.86 oz	109 grams
Resistance @ 20C	2.1 ohms	
Inductance @ 20C	160 $\mu$ H	
Electrical Time Constant	76 $\mu$ sec	
Motor Constant	0.26 LBS/SQRT(Watt)	1.17 N/SQRT(Watt)
Force Constant	0.39 LBS/Amp	1.71 N/Amp
Back EMF	0.04 V/ips	1.71 V/m/sec
Continuous Force	0.26 LBS	1.16 N
Max Power @ 100% Duty	1 Watt	
Peak Force	0.78 LBS	3.50 N
Max Power @ 10% Duty	9 Watts	

