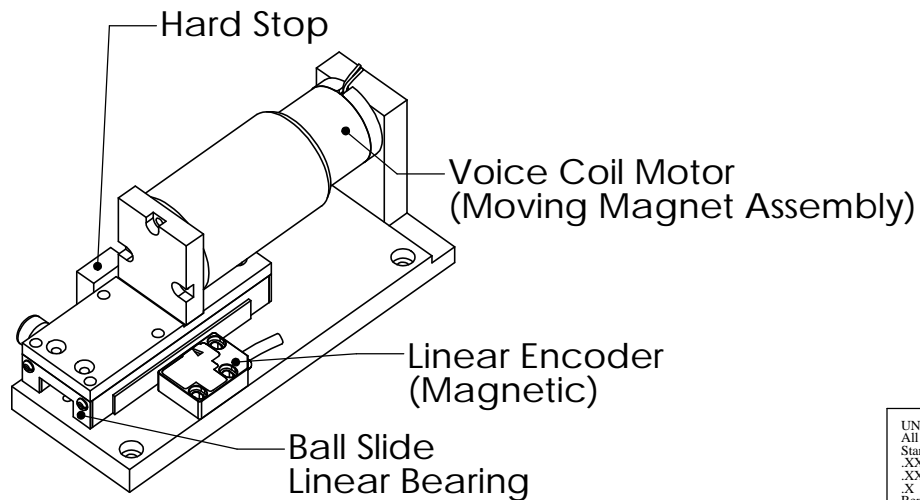
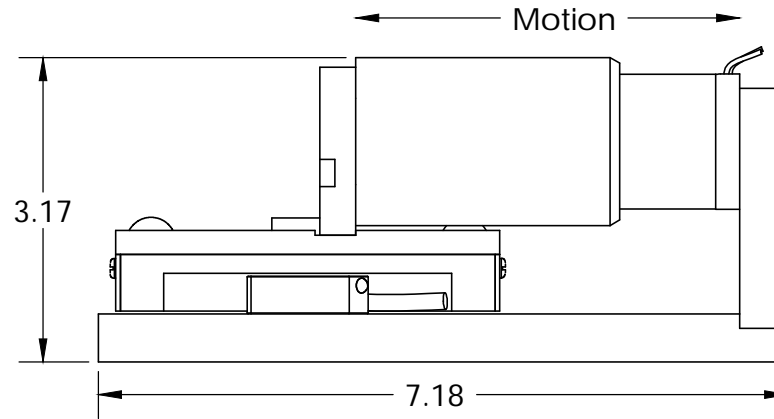
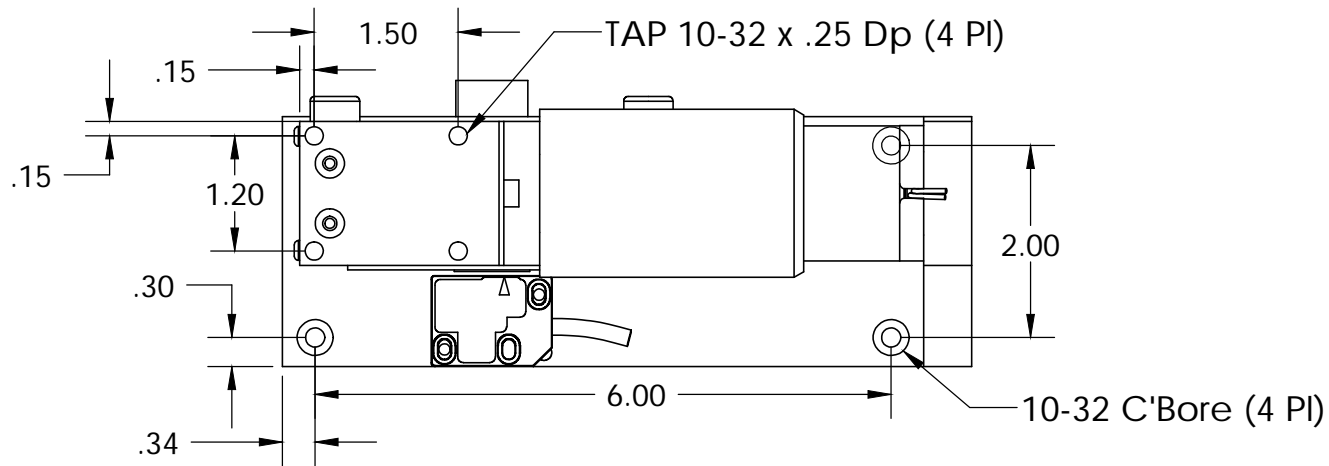


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UNLESS SPECIFIED OTHERWISE:  
All dimensions are in inches  
Standard Tolerances are as follows  
.XXX ±.005 ANGLES ±1°  
.XX ±.010 FILLETS .010  
.X ±.020 CORNERS .010  
Remove All Burrs and Sharp Edges

MATERIAL			
FINISH			
DRAWN	DATE	APPROVED	DATE
OOG	10-9-08	MPW	10-9-08

TITLE			
<b>H2W Technologies, Inc.</b> 26470 Ruether Ave #102 Santa Clarita, CA 91350 USA Tel: (661) 251-2081 Fax: (661) 251-2067 www.h2wtech.com			
<b>Voice Coil Positioning Stage</b> <b>Model #: VCS20-020-BS-01-M</b>			
DWG #	REV	SHEET	
<b>31-0113</b>	---	1 of 2	

<b>VOICE COIL POSITIONING STAGE SPECIFICATIONS</b>		
Motor P/N	NCC20-18-020-1X	
Stroke	2.00"	50.8 mm
Encoder Resolution	1 micron	
Bearing Type	Ball Slide	
Moving Mass	1.72 lbs	780.1 grams
Total Mass	3.26 lbs	1480 grams
Resistance @ 20C	3.50 ohms	
Inductance @ 20C	3.70 mH	
Electrical Time Constant	1.05 msec	
Motor Constant	0.75 LBS/SQRT(Watt)	3.34 N/SQRT(Watt)
Force Constant	1.4 LBS/Amp	6.1 N/Amp
Back EMF	0.2 V/ips	6.1 V/m/sec
Continuous Force	2.0 LBS	8.9 N
Max Power @ 100% Duty	7 Watts	
Peak Force	6.0 LBS	26.7 N
Max Power @ 10% Duty	64 Watts	

TITLE		
Voice Coil Positioning Stage <b>Model #: VCS20-020-BS-01-M</b>		
DWG #	REV	SHEET
<b>31-0113</b>	---	2 of 2