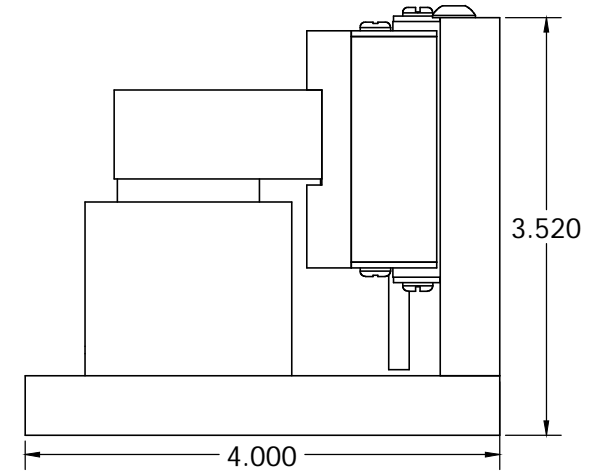
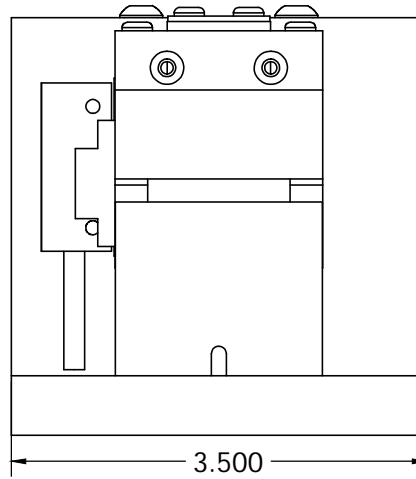
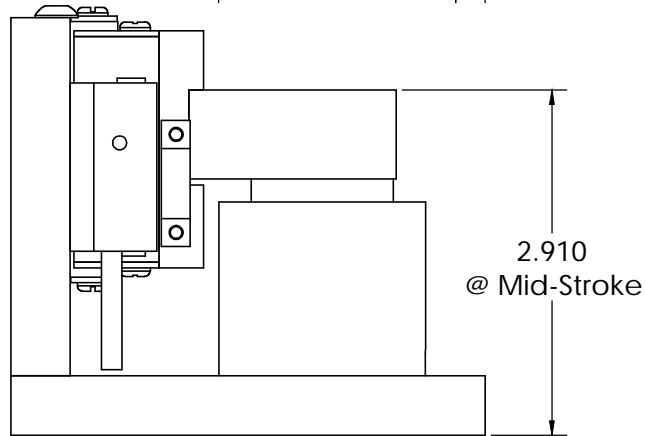
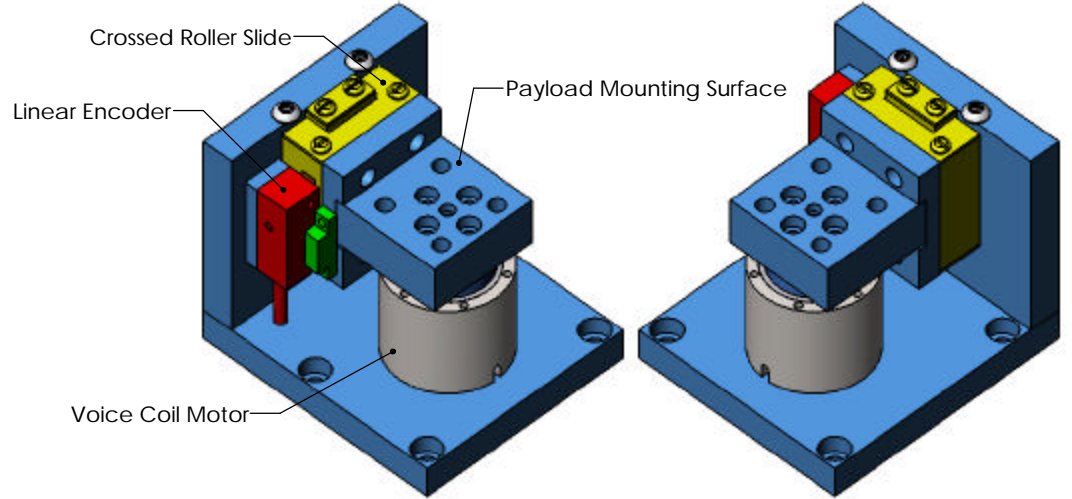
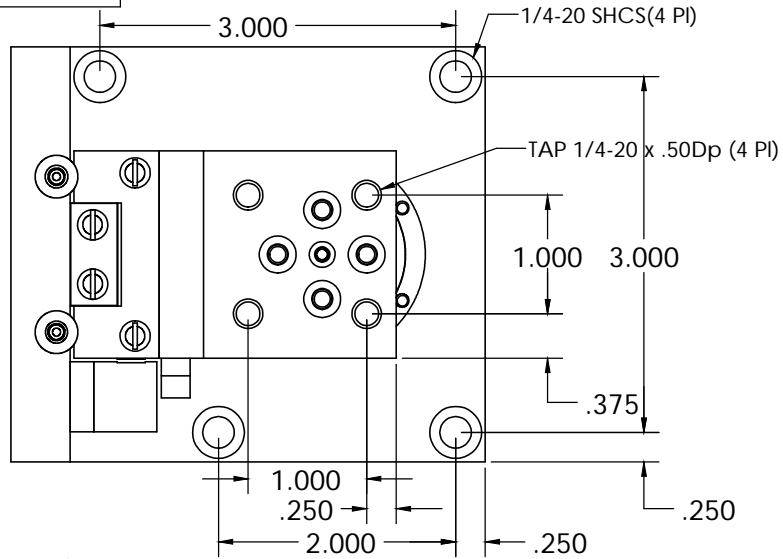


These drawings and specifications are the property of H2W Technologies, Inc. They are issued in confidence and shall not be reproduced, copied, or used without written permission from H2W Technologies, Inc.



H2W Technologies, Inc.
 26470 Rutherford Ave #102 Santa Clarita, CA 91350 USA
 Tel: (661) 251-2081 Fax: (661) 251-2067
 www.h2wtech.com

UNLESS SPECIFIED OTHERWISE: All dimensions are in inches Standard Tolerances are as follows: XXX = .005 ANGLES ±1° XX = ±.010 FILLETS, AND X = ±.020 CORNERS .010 Remove All Burs and Sharp Edges.		MATERIAL		TITLE	
FINISH		DRAWN		VOICE COIL POSITIONING STAGE	
OOG	DATE 7-6-10	MPW	DATE 7-6-10	DWG #	REV A
				31-0216	1 of 1

Voice Coil Positioning Stage
Model #: VMS02-035-CR-001-V

VOICE COIL POSITIONING STAGE SPECIFICATIONS		
Motor P/N	NCM02-17-035-2F	
Stroke	0.22"	5.6 mm
Encoder Resolution	0.1 micron	
Bearing Type	Crossed Roller	
Moving Mass	.75 lbs	342 grams
Total Mass	2.38 lbs	1079 grams
Resistance @ 20C	22 ohms	
Inductance @ 20C	4.35 mH	
Electrical Time Constant	0.20 msec	
Motor Constant	1.08 LBS/SQRT(Watt)	4.81 N/SQRT(Watt)
Force Constant	5.05 LBS/Amp	22.5 N/Amp
Back EMF	0.60 V/ips	22.5 V/m/sec
Continuous Force	3.5 LBS	15.6 N
Max Power @ 100% Duty	11 Watts	
Peak Force	10.5 LBS	46.7 N
Max Power @ 10% Duty	95 Watts	