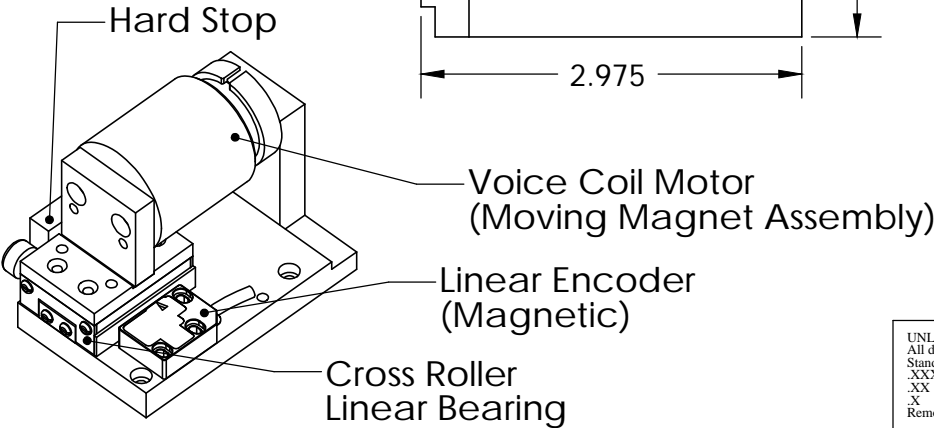
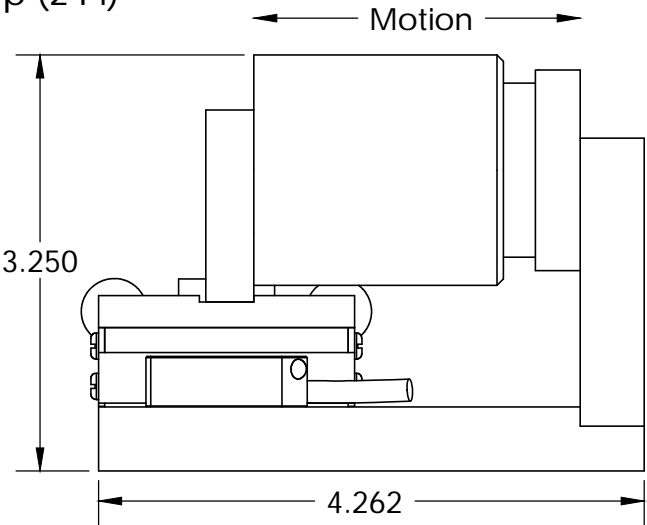
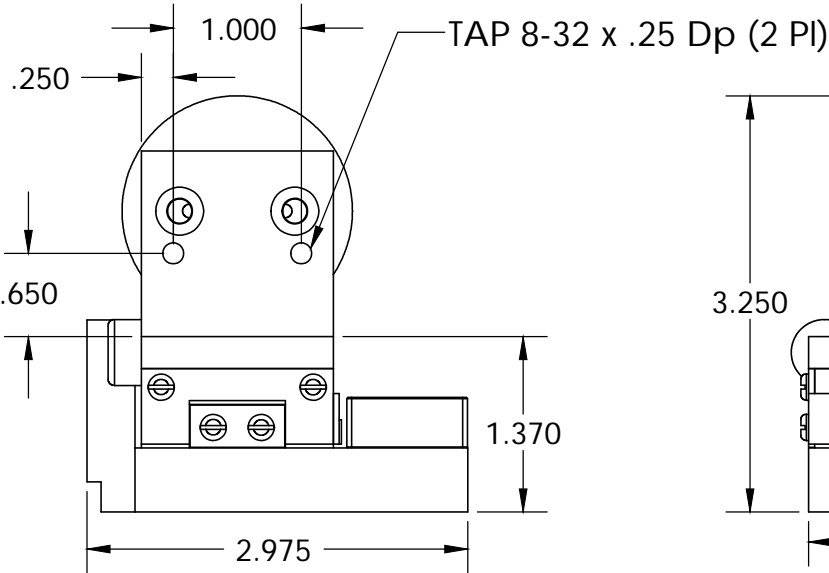
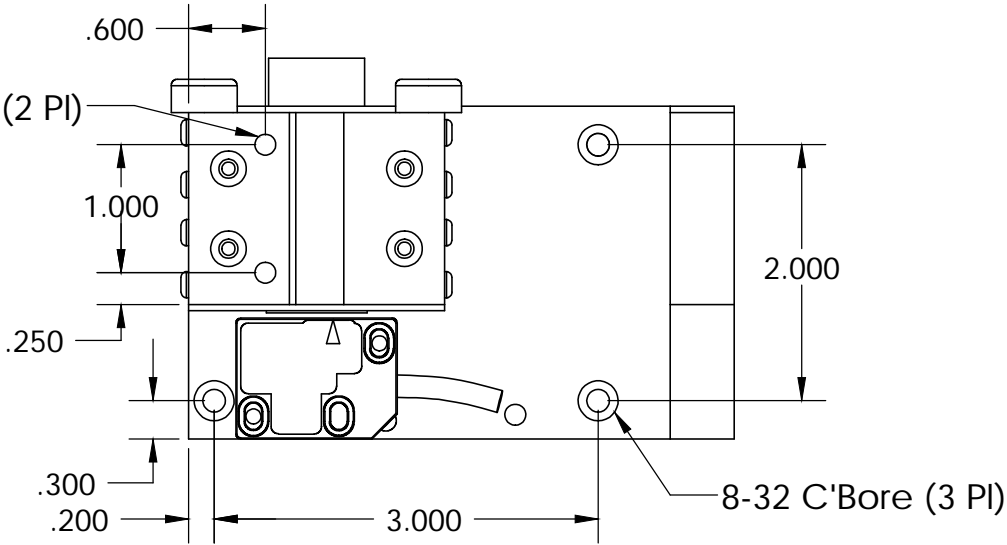


These drawings and specifications are the property of H2W Technologies, Inc. They are issued in confidence and shall not be reproduced, copied, or used without written permission from H2W Technologies, Inc. (www.h2wtech.com)

MOTOR HAS BEEN HIDDEN TO SHOW MOUNTING HOLES

TAP 8-32 x .25 Dp (2 Pl)



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	10-13-08	MPW	10-13-08

H2W Technologies, Inc.			
26470 Ruether Ave #102 Santa Clarita, CA 91350 USA			
Tel: (661) 251-2081 Fax: (661) 251-2067			
www.h2wtech.com			
TITLE			
Voice Coil Positioning Stage			
Model #VCS05-060-CR-01-M			
DWG #	REV	SHEET	
31-0116	---	1 of 2	

MOVING COIL NON-COMM ACTUATOR SPECIFICATIONS		
Motor P/N	NCC05-18-060-2X	
Stroke	0.50"	12.7 mm
Encoder Resolution	1 micron	
Bearing Type	Crossed Roller	
Moving Mass	1.05 lbs	477 grams
Total Mass	2.06 lbs	935 grams
Resistance @ 20C	11.5 ohms	
Inductance @ 20C	4.5 mH	
Electrical Time Constant	0.39 msec	
Motor Constant	1.78 LBS/SQRT(Watt)	7.92 N/SQRT(Watt)
Force Constant	6.3 LBS/Amp	27.8 N/Amp
Back EMF	0.7 V/ips	27.8 V/m/sec
Continuous Force	6.0 LBS	26.7 N
Max Power @ 100% Duty	12 Watts	
Peak Force	18.0 LBS	80.1 N
Max Power @ 10% Duty	102 Watts	

TITLE Voice Coil Positioning Stage Model #VCS05-060-CR-01-M		
DWG #	31-0116	REV --- SHEET 2 of 2