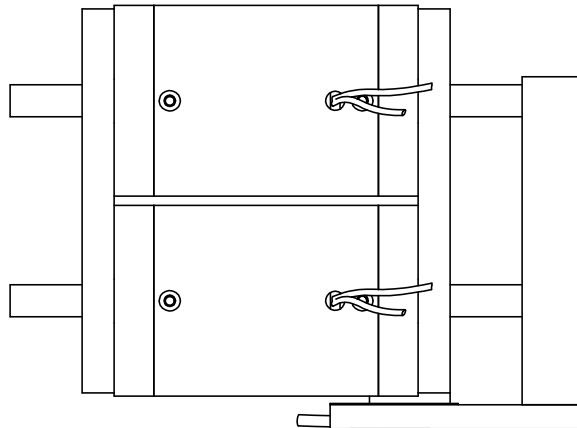
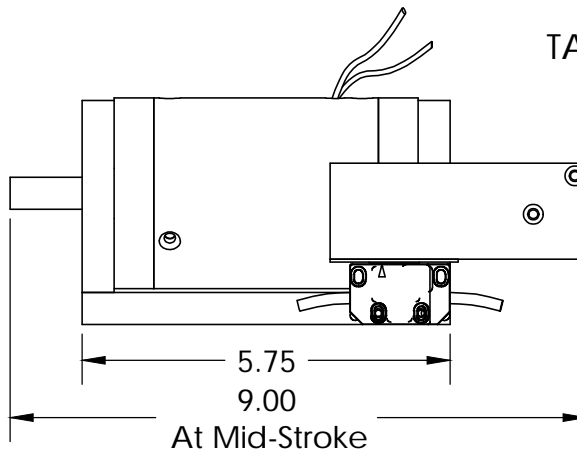


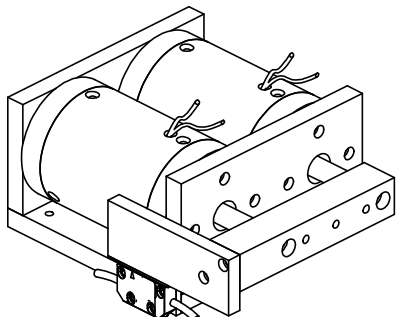
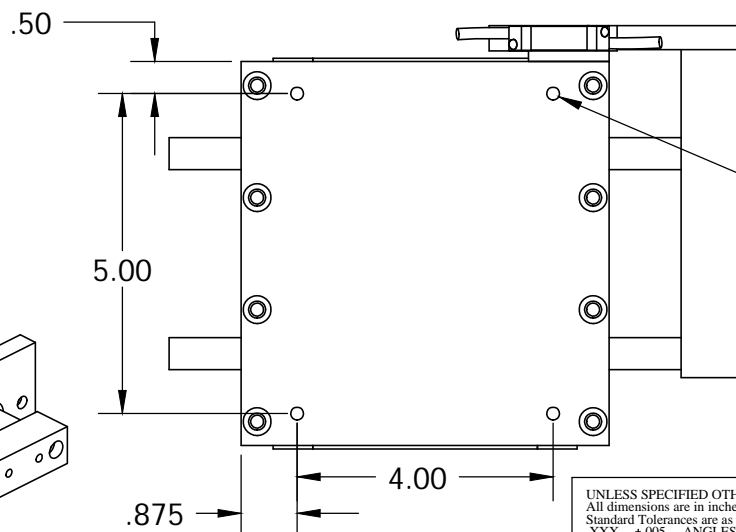
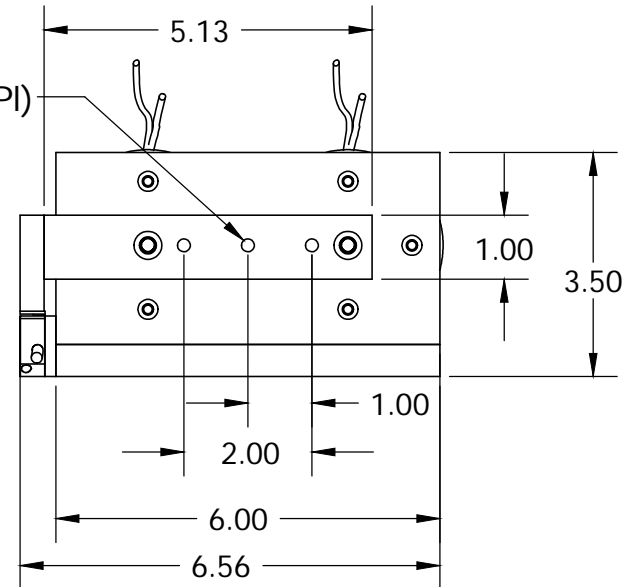
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<---Motion--->



TAP 1/4-20 (3 PI)



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	11-26-08	MPW	11-26-08

TITLE		
Voice Coil Positioning Stage Model #VMS05-360-LB-01-M		
DWG #	REV	SHEET
31-0132	A	1 of 2

H2W Technologies, Inc.
26470 Ruether Ave #102 Santa Clarita, CA 91350 USA
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www.h2wtech.com

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	3.87 lbs	1749 grams
Total Mass	14.76 lbs	6672 grams
Resistance @ 20C	20.4 ohms	
Inductance @ 20C	10.2 mH	
Electrical Time Constant	0.50 msec	
Motor Constant	5.42 LBS/SQRT(Watt)	24.1 N/SQRT(Watt)
Force Constant	17.4 LBS/Amp	77.3 N/Amp
Back EMF	2.0 V/ips	77.2 V/m/sec
Continuous Force	36 LBS	160 N
Max Power @ 100% Duty	88 Watts	
Peak Force	108 LBS	479.5 N
Max Power @ 10% Duty	794 Watts	

TITLE		
Voice Coil Positioning Stage Model #VMS05-360-LB-01-M		
DWG #	REV	SHEET
31-0132	A	2 of 2