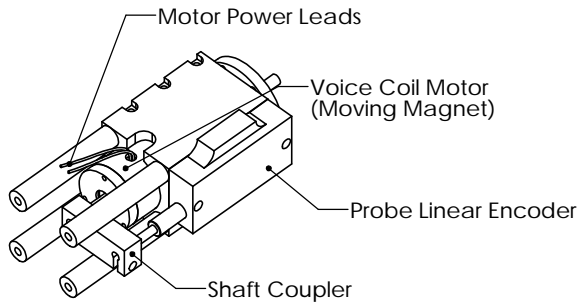
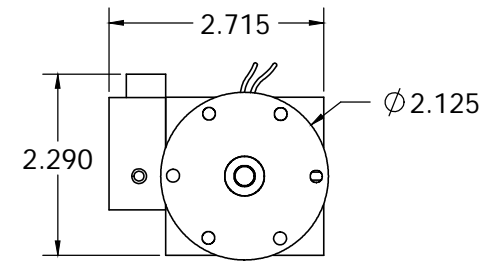
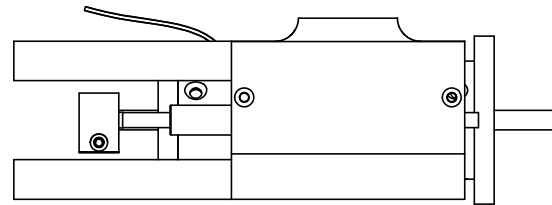
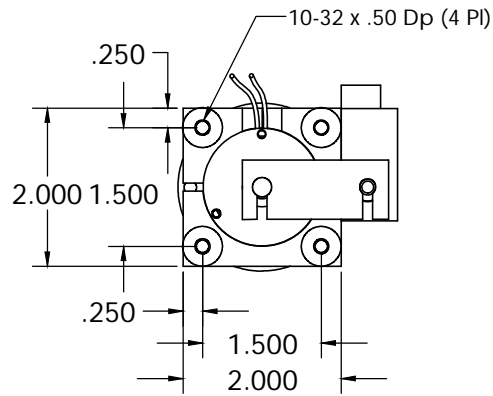
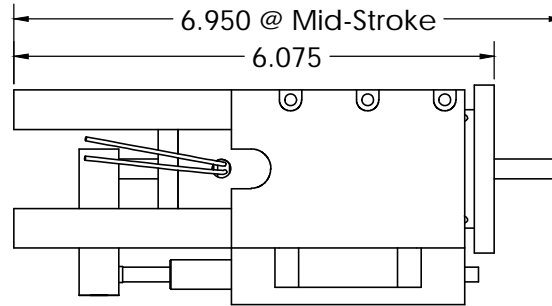


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UNLESS SPECIFIED OTHERWISE: All dimensions are in inches Standard Tolerances are as follows: XXX ±.005 ANGLES ±1° XX ±.010 FILLETS AND X ±.020 CORNERS .010 Remove All Burs and Sharp Edges.		MATERIAL		TITLE	
FINISH		DRAWN		DWG #	
DATE	APPROVED	DATE	REV	SHEET	
10-16-06	MPW	10-16-06	---	1 of 2	
				H2W Technologies, Inc. 26470 Ruether Ave #102 Santa Clara, CA 91350 USA Tel: (661) 251-2081 Fax: (661) 251-2067 www.h2wtech.com	
				Voice Coil Positioning Stage Model #VMS10-020-LB-12	
				30-0518	

MOVING COIL NON-COMM ACTUATOR SPECIFICATIONS		
Motor P/N	NCM10-15-020-2LB	
Stroke	1.00"	25.4 mm
Encoder Resolution	12 micron	
Bearing Type	Linear Bushing	
Moving Mass	0.52 lbs	235 grams
Total Mass	1.63 lbs	736 grams
Resistance @ 20C	3.5 ohms	
Inductance @ 20C	1.5 mH	
Electrical Time Constant	0.43 msec	
Motor Constant	0.91 LBS/SQRT(Watt)	4.07 N/SQRT(Watt)
Force Constant	1.76 LBS/Amp	7.84 N/Amp
Back EMF	0.20 V/ips	7.84 V/m/sec
Continuous Force	2.0 LBS	8.9 N
Max Power @ 100% Duty	5 Watts	
Peak Force	6.0 LBS	26.7 N
Max Power @ 10% Duty	44 Watts	

TITLE		
Voice Coil Positioning Stage Model #VMS10-020-LB-12		
DWG #	REV	SHEET
30-0158	---	2 of 2