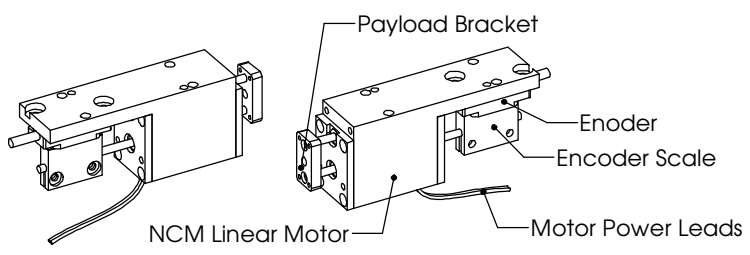
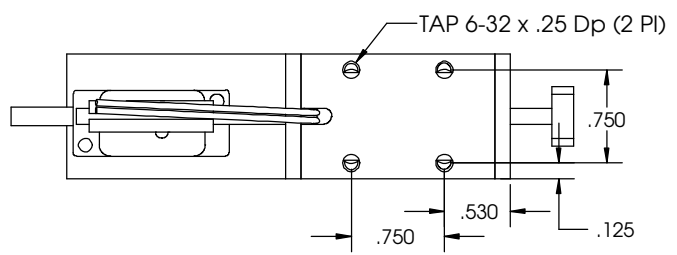
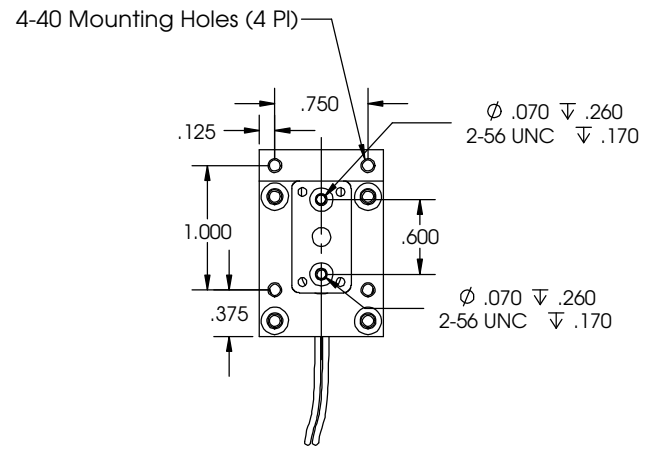
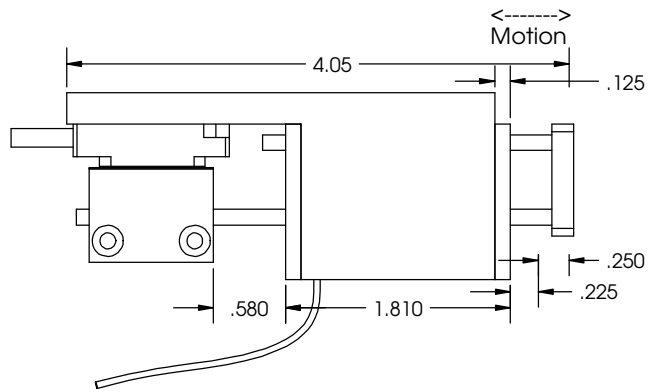
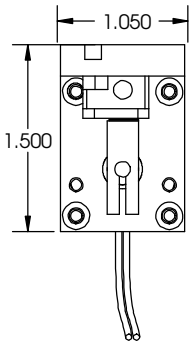
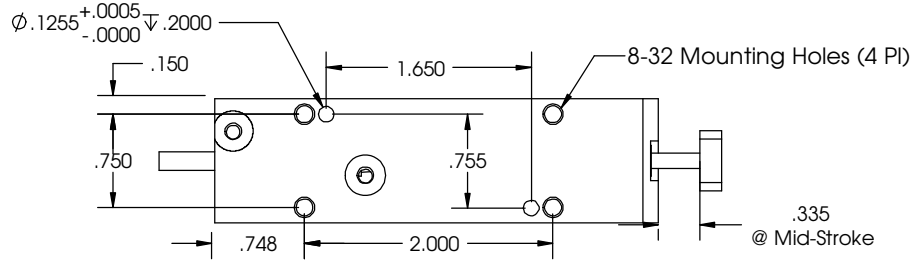


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UNLESS SPECIFIED OTHERWISE: All dimensions are in inches Standard Tolerances are as follows: XXX ±.005 ANGLES XX ±.010 FILLETS AND X ±.020 CORNERS R11 Remove All Burrs and Sharp Edges				MATERIAL		TITLE	
FINISH				DRAWN		Voice Coil Positioning Stage Model #VMS02-012-JB-01	
DOGG	DATE	APPROVED	DATE	DWG #	REV	SHEET	
	1-15-07	MPW	1-15-07	30-0509	G	1 of 2	

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MOVING COIL NON-COMM ACTUATOR SPECIFICATIONS		
Motor P/N	NCM02-10-012-2JBE	
Stroke	0.20"	5.1 mm
Encoder Resolution	0.5 micron	
Bearing Type	Jeweled Bearing	
Moving Mass	0.10 lbs	45.2 grams
Total Mass	0.39 lbs	176 grams
Resistance @ 20C	2.0 ohms	
Inductance @ 20C	0.216 mH	
Electrical Time Constant	0.108 msec	
Motor Constant	0.49 LBS/SQRT(Watt)	2.17 N/SQRT(Watt)
Force Constant	0.66LBS/Amp	2.9 N/Amp
Back EMF	0.08 V/ips	3.1 V/m/sec
Continuous Force	1.20 LBS	5.3 N
Max Power @ 100% Duty	8 Watts	
Peak Force	3.60 LBS	16.0 N
Max Power @ 10% Duty	72 Watts	