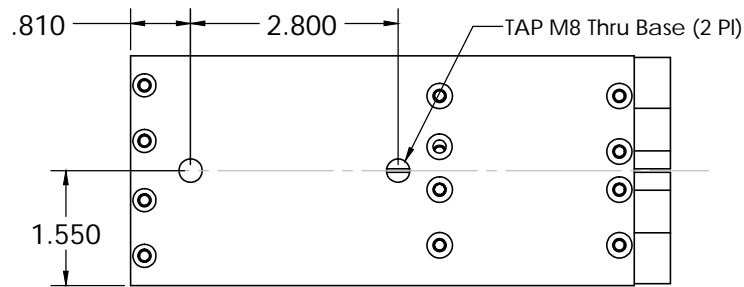
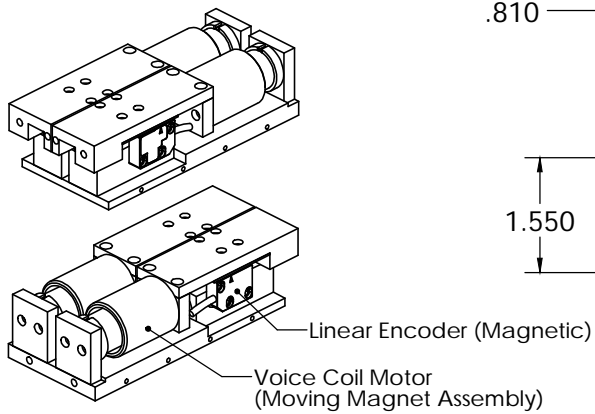
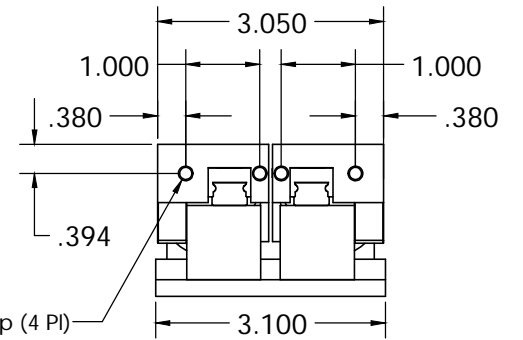
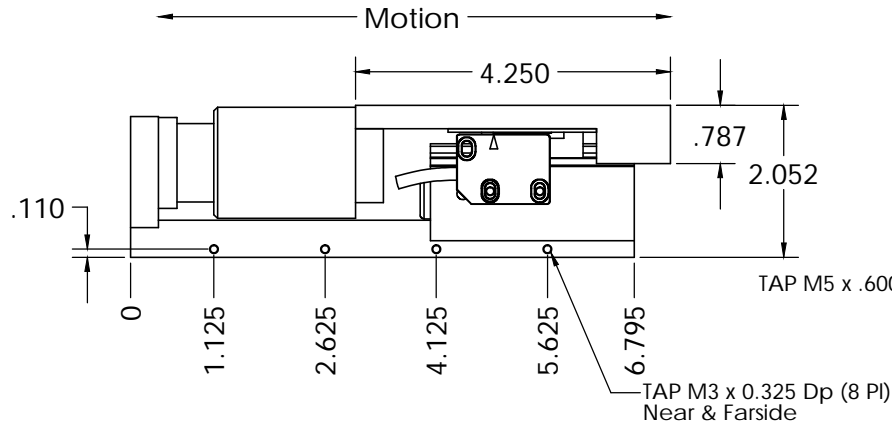
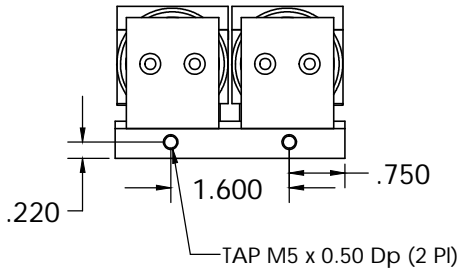
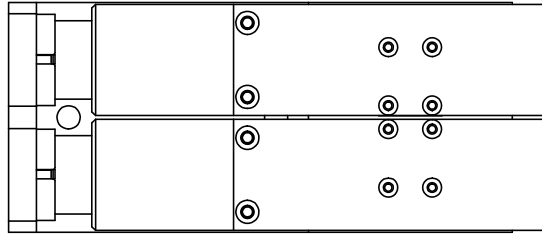


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UNLESS SPECIFIED OTHERWISE: All dimensions are in inches Standard Tolerances are as follows: XXX = .005 ANGLES ±1° XX = ±.010 FILLETS AND X = ±.020 CORNERS .010 Remove All Burs and Sharp Edges.		MATERIAL		TITLE	
FINISH		Anodize Blue		Voice Coil Positioning Stage Model #: VCS10-023-LB-01-MD	
DRAWN	DATE	APPROVED	DATE	DWG #	REV
00G	11-11-08	MPW	11-11-08	31-0104	C
				SHEET	1 of 2

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MOVING COIL NON-COMM ACTUATOR SPECIFICATIONS		
Motor P/N	NCC10-15-023-1X	
Stroke	1.00"	25.4 mm
Encoder Resolution	1 micron	
Bearing Type	Linear Bearing	
Moving Mass	.67 lbs	305 grams
Total Mass	3.0 lbs	1353 grams
Resistance @ 20C	7.5 ohms	
Inductance @ 20C	3.3 mH	
Electrical Time Constant	0.44 msec	
Motor Constant	0.85 LBS/SQRT(Watt)	3.78 N/SQRT(Watt)
Force Constant	2.3 LBS/Amp	10.2 N/Amp
Back EMF	0.26 V/ips	10.2 V/m/sec
Continuous Force	2.3 LBS	10.2 N
Max Power @ 100% Duty	7 Watts	
Peak Force	6.9 LBS	30.7 N
Max Power @ 10% Duty	66 Watts	

NOTE: Specs & Moving Mass is per motor

TITLE		
Voice Coil Positioning Stage		
Model #: VCS10-023-LB-01-MD		
DWG #	REV	SHEET
31-0124	C	2 of 2