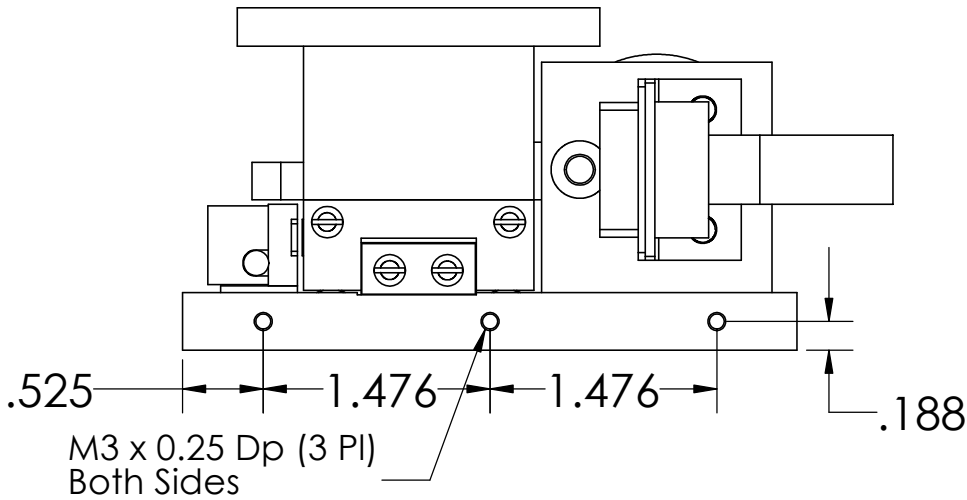
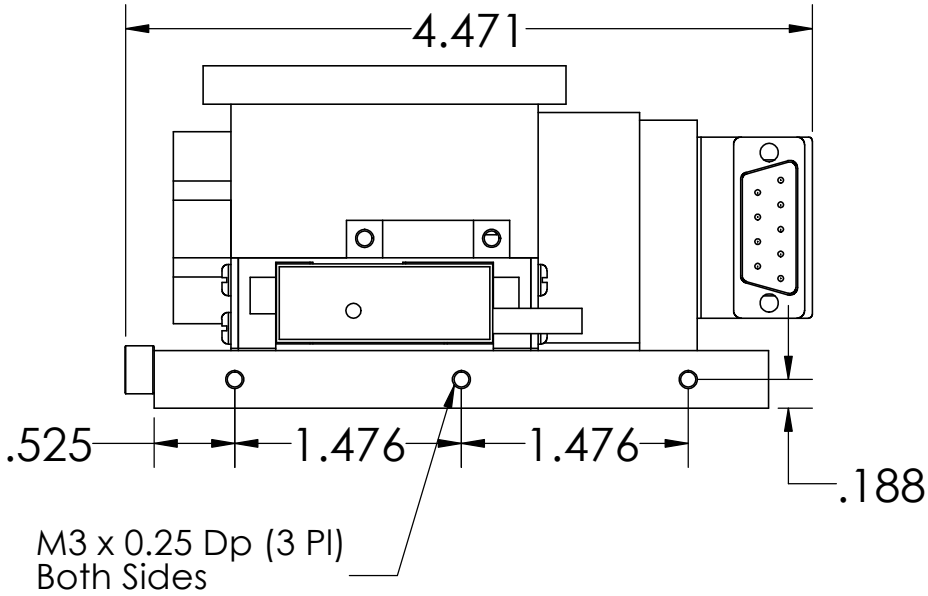
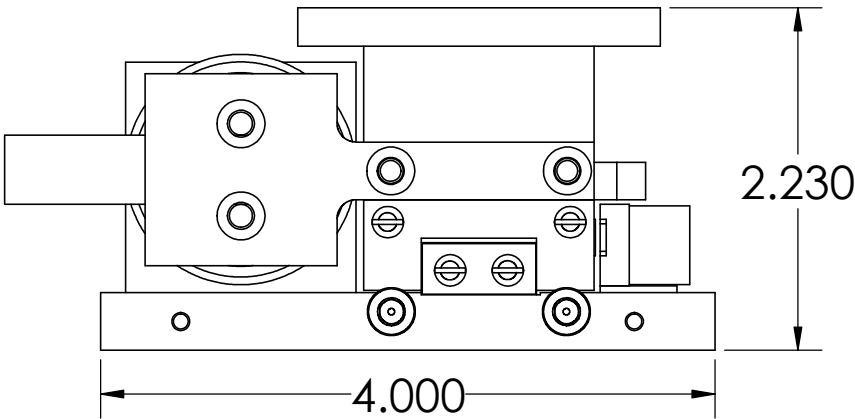
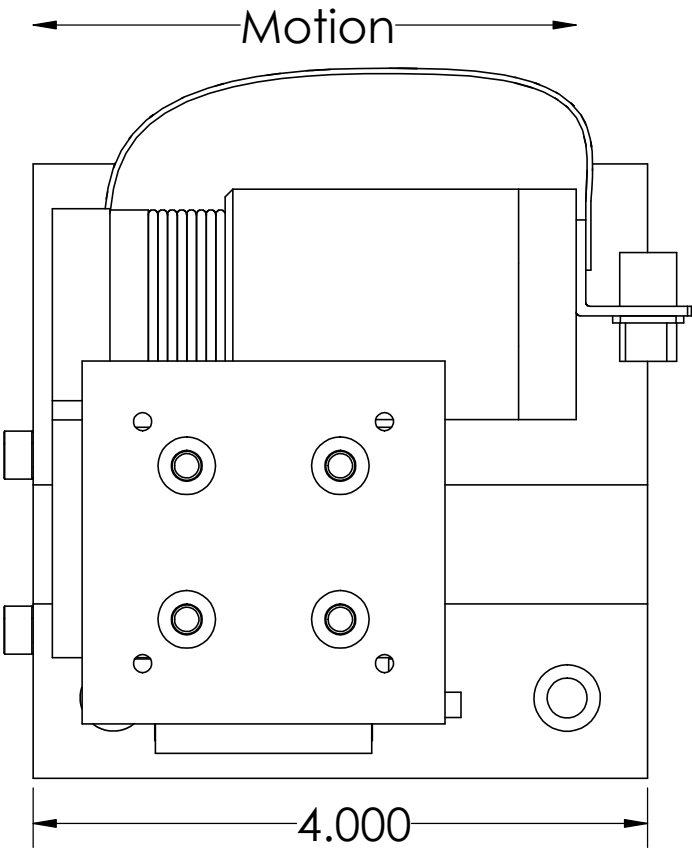


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REVISION TABLE					
REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE
---	---	Original Drawing	OOG	MPW	4-25-12

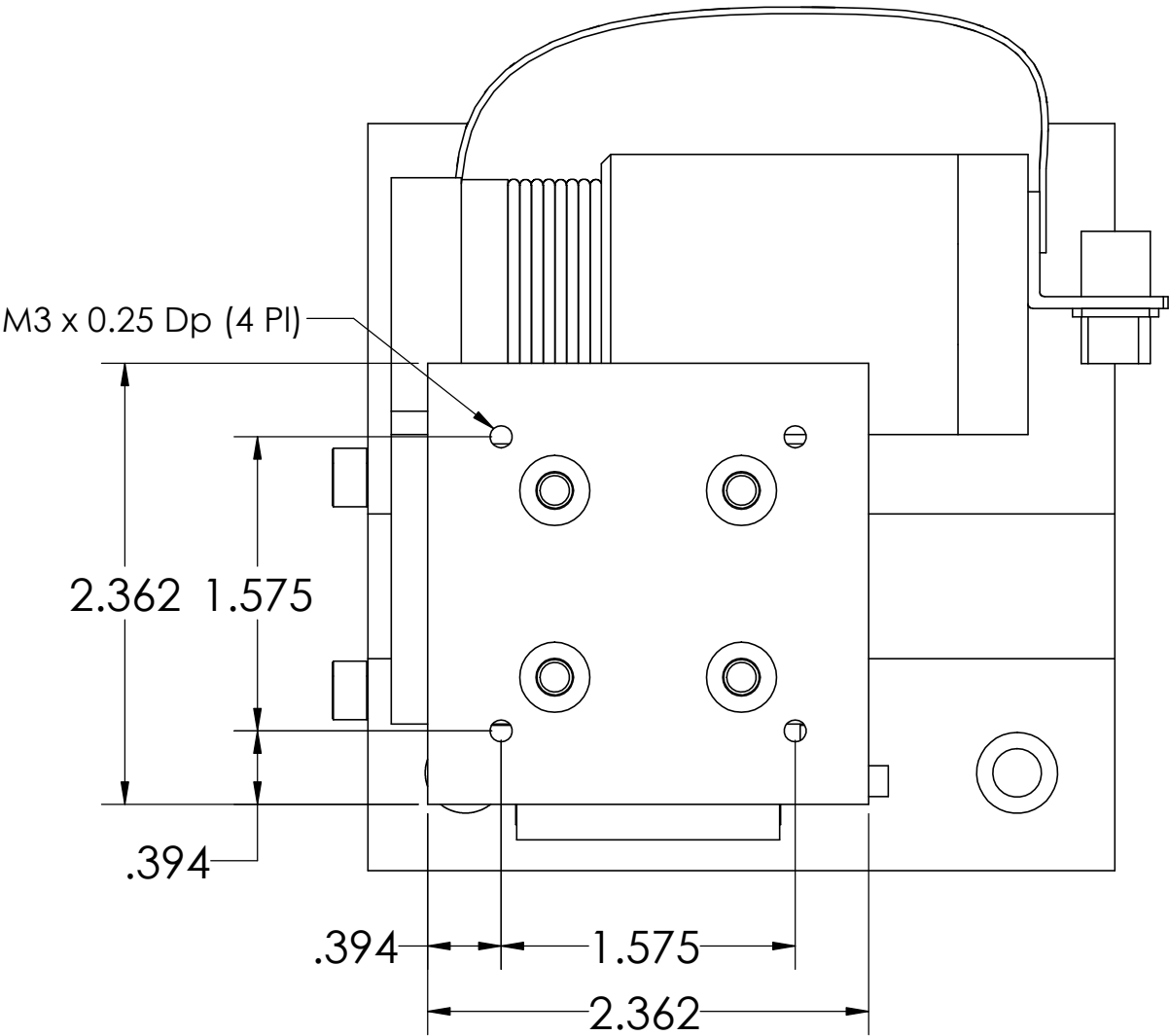


MOTOR SHOWN AT MID-STROKE

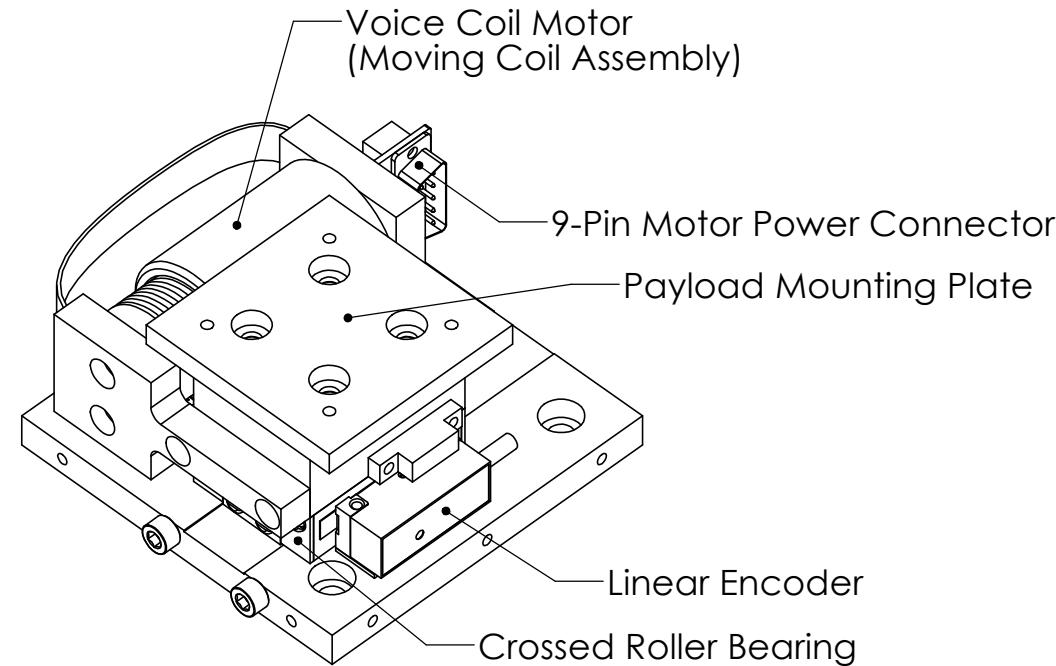
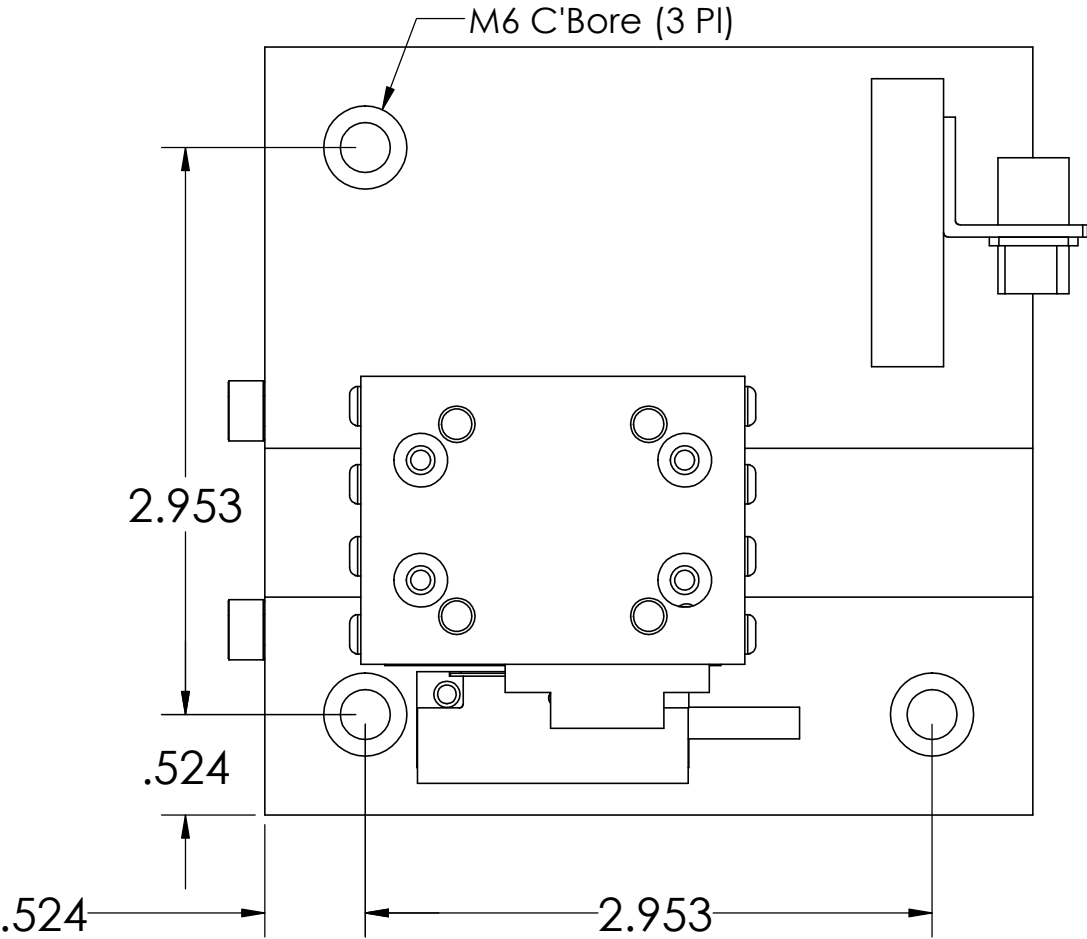
UNLESS SPECIFIED OTHERWISE: All dimensions are in inches Standard Tolerances are as follows .XXX ±.005 ANGLES ±1° .XX ±.010 FILLETS AND .X ±.020 CORNERS .010 Remove All Burrs and Sharp Edges				MATERIAL		TITLE	
				FINISH		Voice Coil Positioning Stage Model #: VCS10-023-CR-001-MCS-A	
DRAWN OOG	DATE 4-25-12	APPROVED MPW	DATE 4-25-12	DWG # 31-0337	REV ---	SHEET 1 of 3	

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PAYLOAD MOUNTING HOLES



MOTOR HAS BEEN HIDDEN
TO SHOW MOUNTING HOLES



VOICE COIL POSITIONING STAGE SPECIFICATIONS		
Motor P/N	NCC10-15-023-1X	
Stroke	1.00"	25.4 mm
Encoder Resolution	0.1 micron	
Bearing Type	Crossed Roller	
Moving Mass	0.65 lbs	295 grams
Total Mass	1.56 lbs	708 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	

