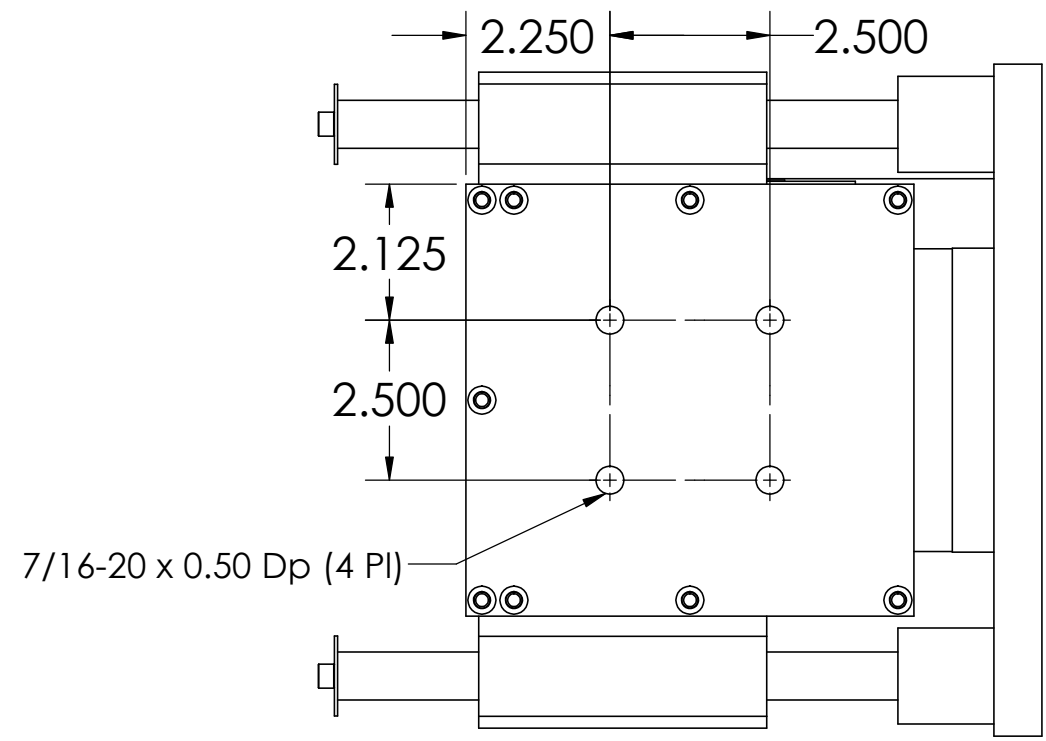
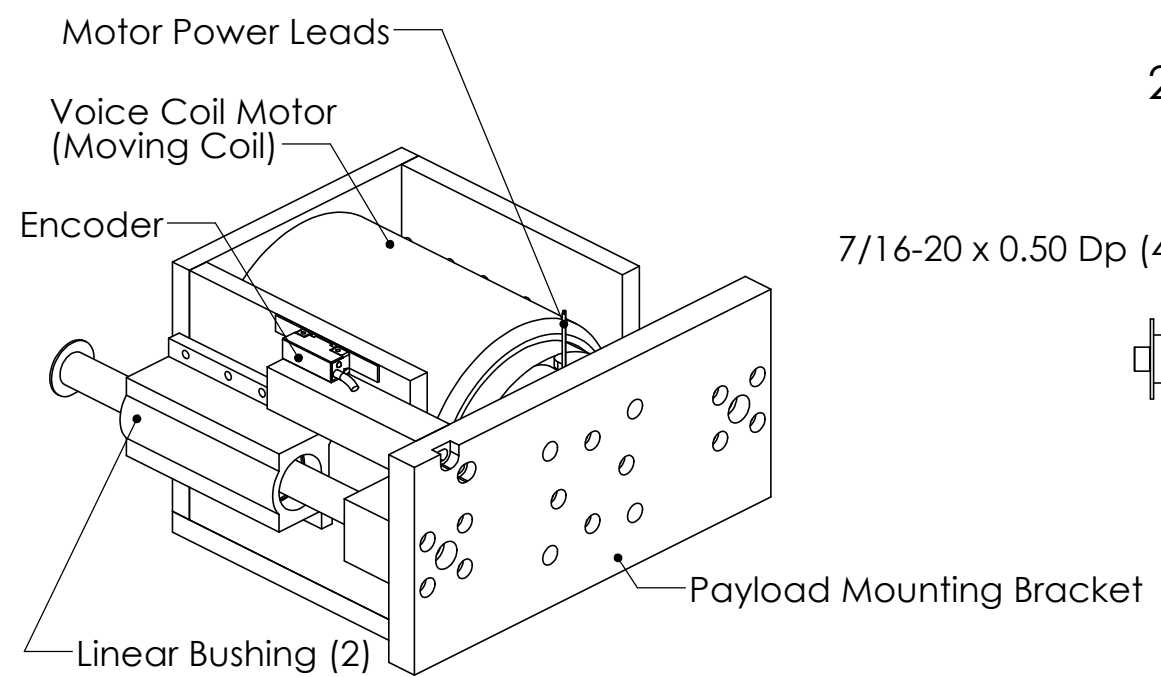
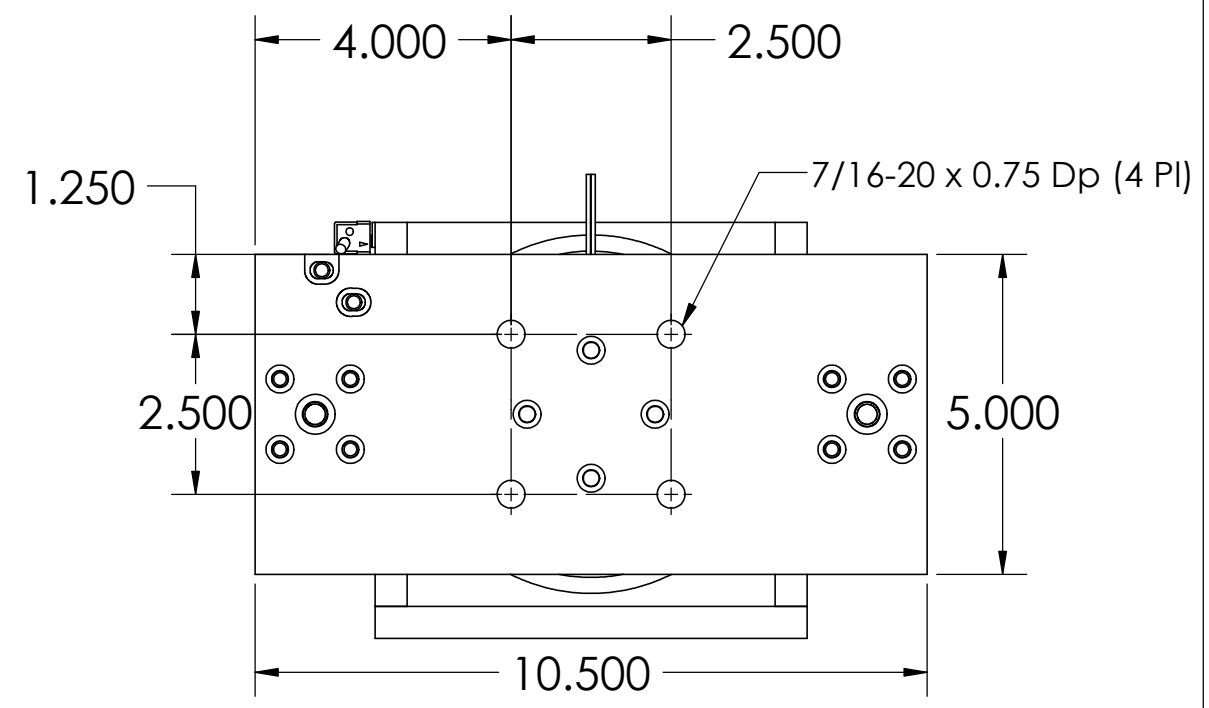
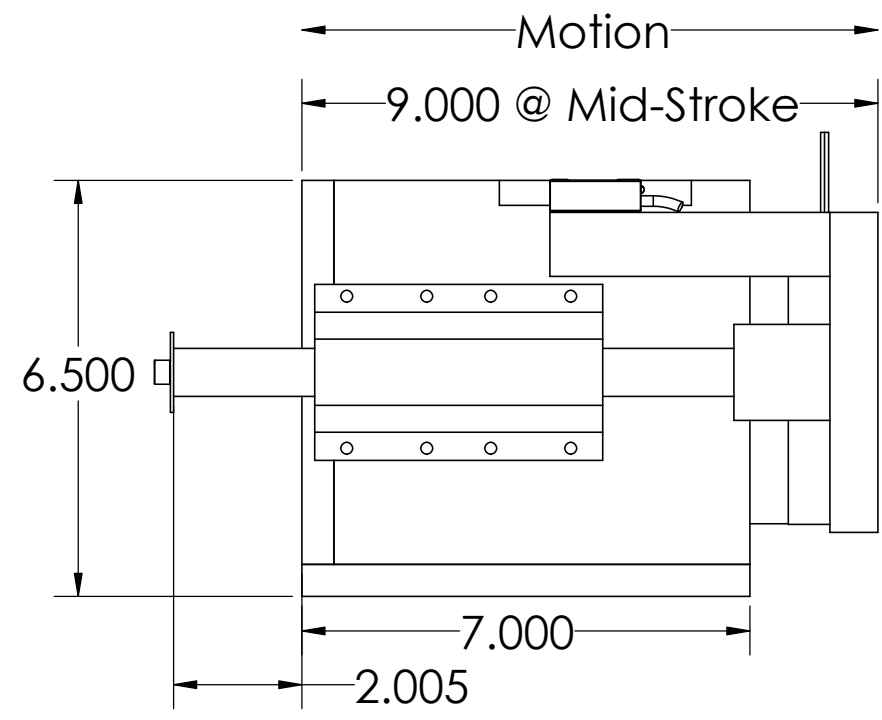
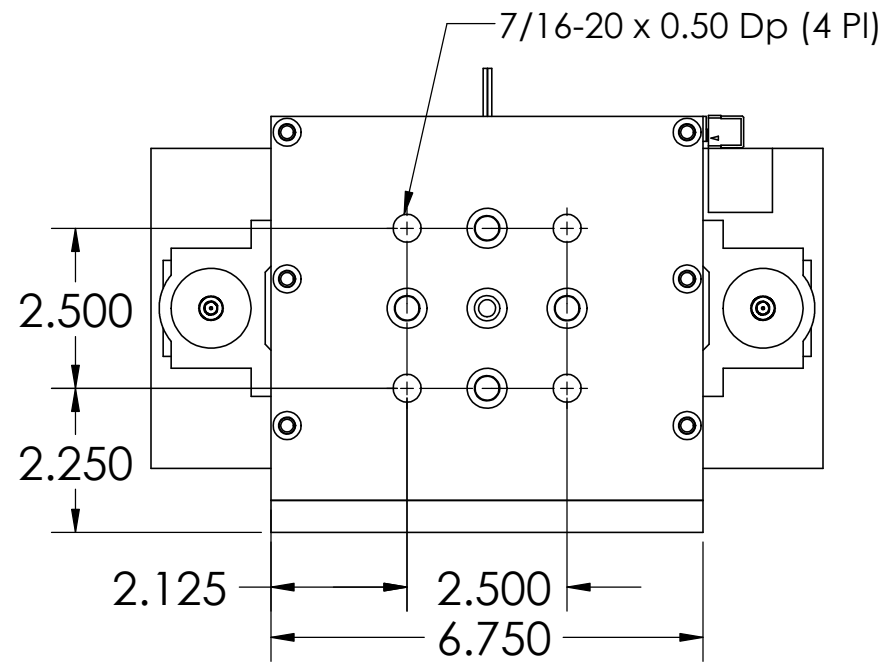


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REVISION TABLE						
REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE	
---	---	Original Drawing	OOG	MPW	12-3-14	



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 #: VCS12-1000-LB-01-C		
DRAWN OOG	DATE 12-3-14	APPROVED MPW	DATE 12-3-14	DWG # 31-0709
			REV ---	SHEET 1 of 2

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VOICE COIL POSITIONING STAGE SPECIFICATIONS		
Motor P/N	NCC12-60-1000-2X	
Stroke	1.20"	30.5 mm
Encoder Resolution	1 micron	
Bearing Type	Linear Bushing	
Moving Mass	9.8 lbs	4.5 kgrams
Total Mass	54.5 lbs	24.7 kgrams
Resistance @ 20C	3.0 ohms	
Inductance @ 20C	2.7 mH	
Electrical Time Constant	0.90 msec	
Motor Constant	11.8 LBS/SQRT(Watt)	52.5 N/SQRT(Watt)
Force Constant	20.1 LBS/Amp	89.4 N/Amp
Back EMF	2.3 V/ips	89.4 V/m/sec
Continuous Force	100 LBS	454 N
Max Power @ 100% Duty	72 Watts	
Peak Force	300 LBS	1362 N
Max Power @ 10% Duty	646 Watts	

