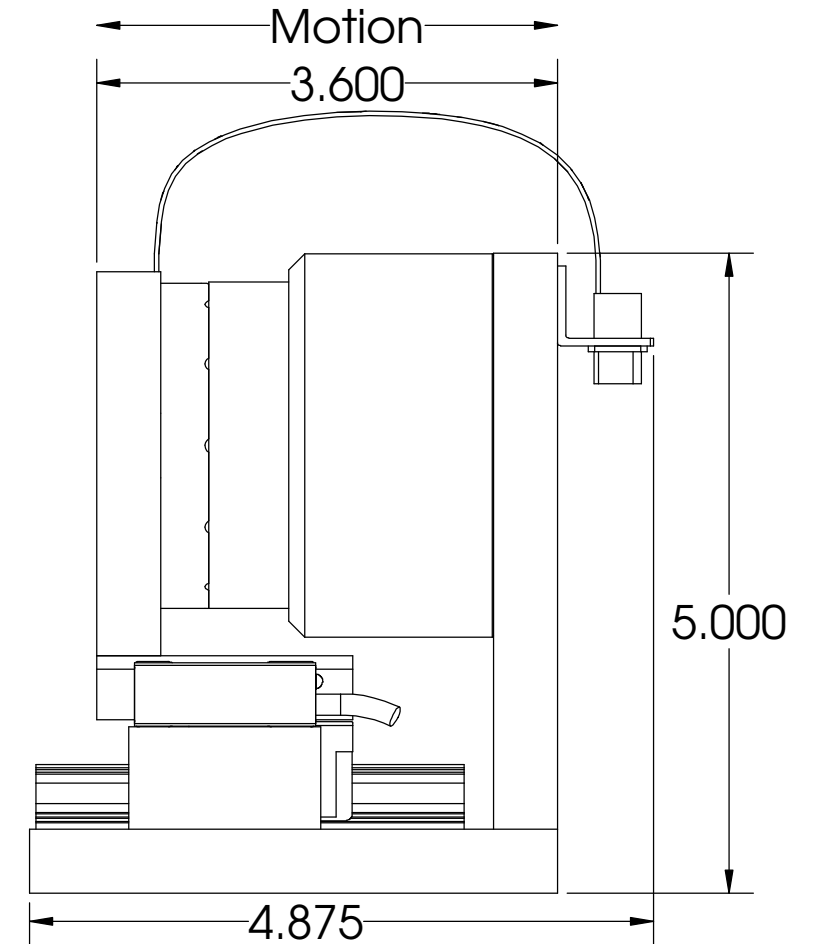
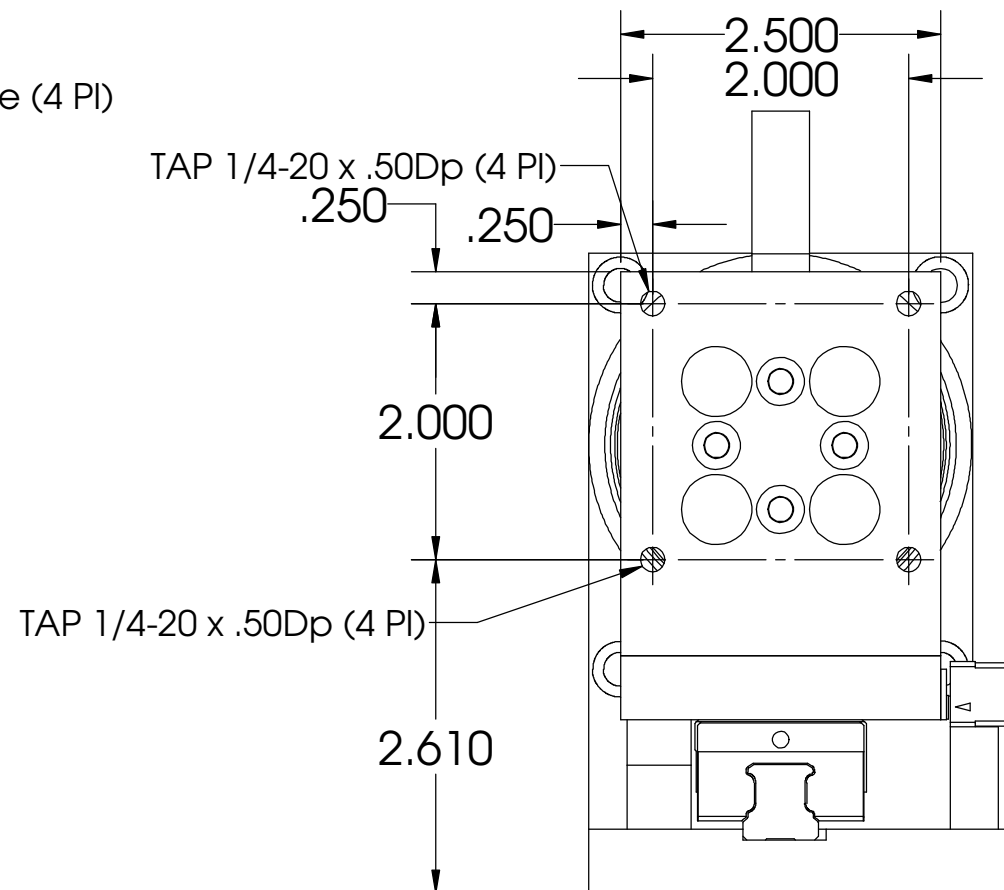
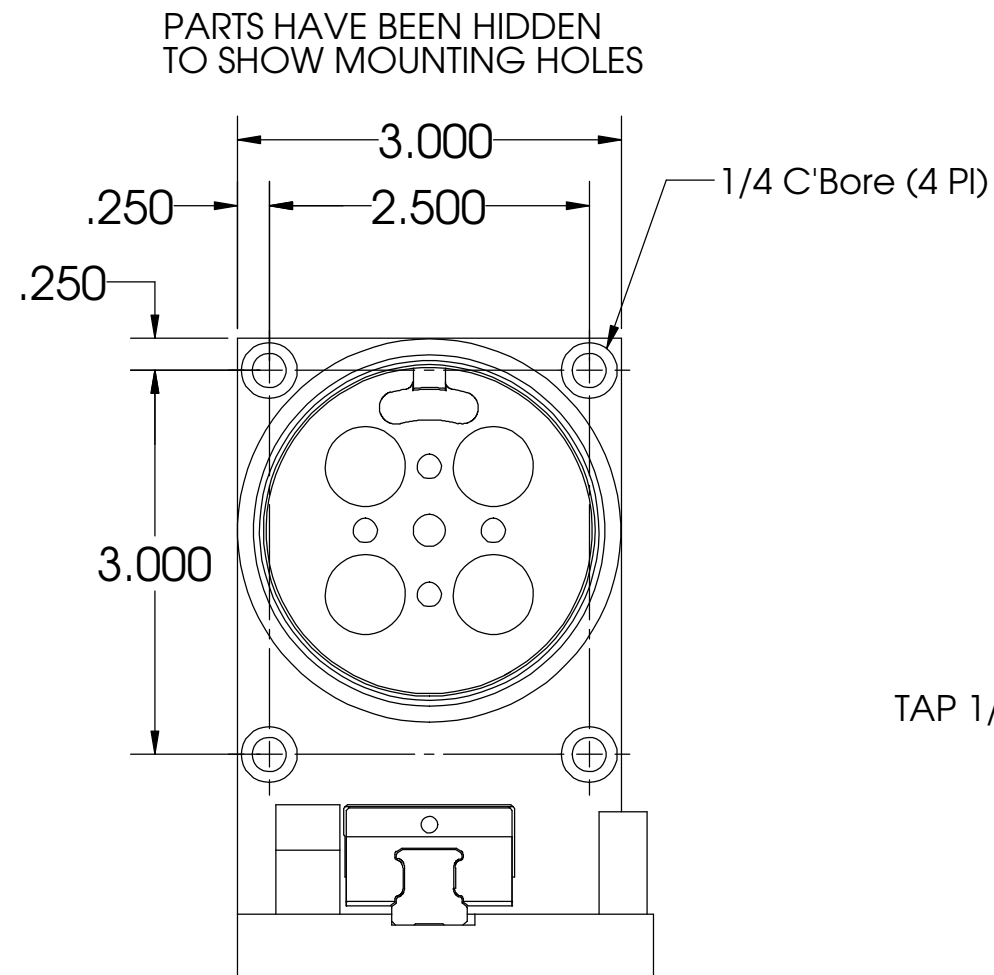
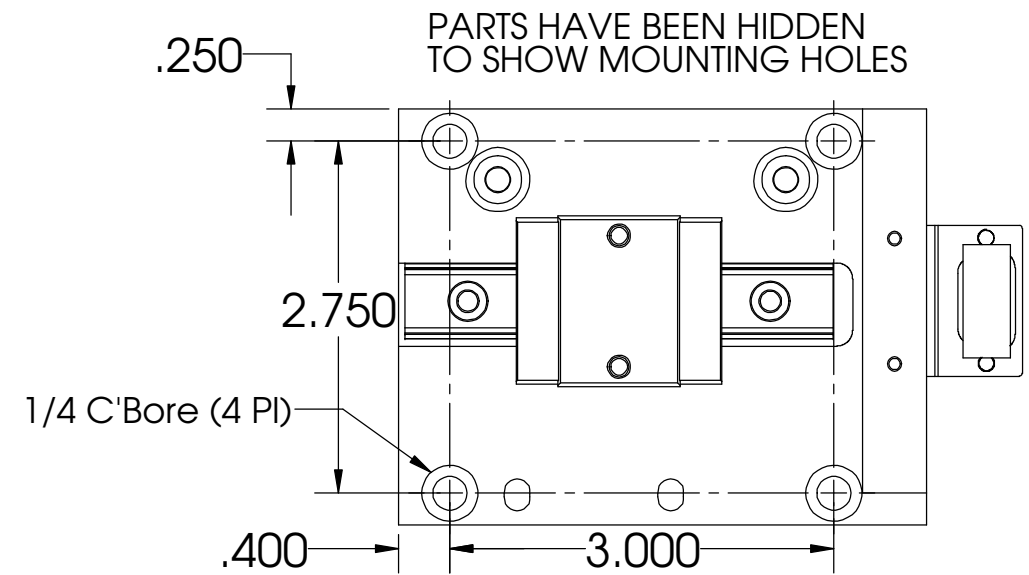


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REVISION TABLE					
REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE
---	---	Original Drawing	OOG	MPW	3-15-13



Motor Shown at Mid-Stroke

UNLESS SPECIFIED OTHERWISE:
 All dimensions are in inches
 Standard Tolerances are as follows
 .XXX ±.015 ANGLES ±1°
 .XX ±.010 FILLETS AND
 .X ±.020 CORNERS .010
 Remove All Burrs and Sharp Edges

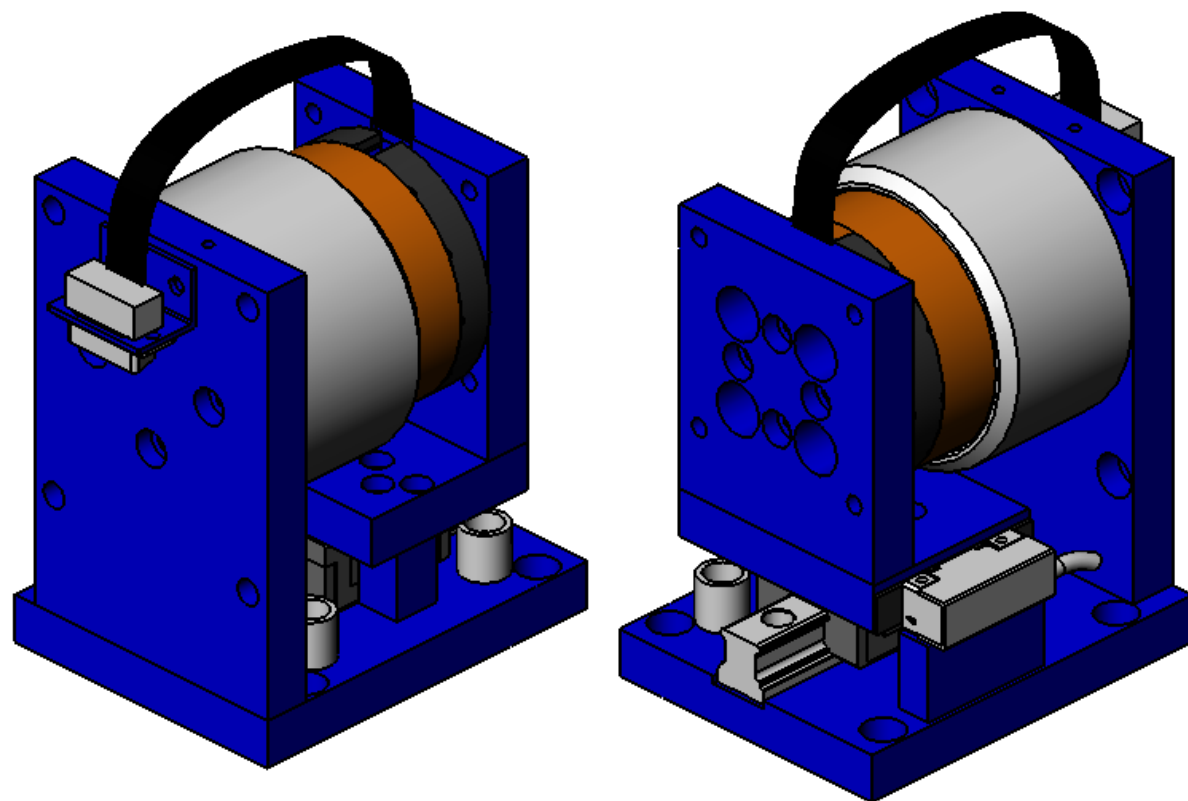
MATERIAL		FINISH	
DRAWN	DATE	APPROVED	DATE
OOG	3-15-13	MPW	3-15-13

TITLE			
Voice Coil Positioning Stage Model #: VCS13-108-LB-01-MC			
DWG#	REV	SHEET	
31-0613	---	1 of 3	

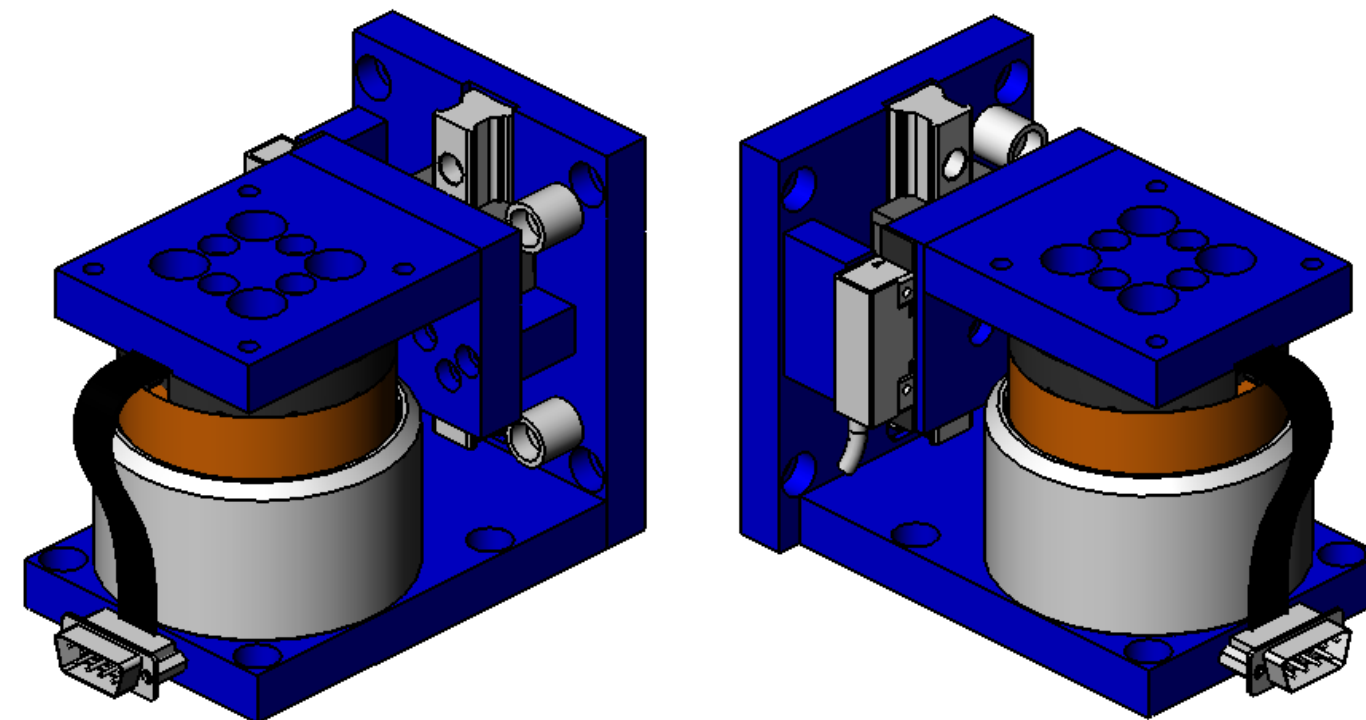
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Horizontal Configuration



Vertical Configuration



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MOVING COIL NON-COMM ACTUATOR SPECIFICATIONS		
Motor P/N	NCC13-30-108-1H	
Stroke	1.25"	31.8 mm
Encoder Resolution	1 micron	
Bearing Type	Linear Bearing	
Moving Mass	1.50 lbs	418 grams
Total Mass	6.0 lbs	2.0 Kg
Resistance @ 20C	4.8 ohms	
Inductance @ 20C	4.1 mH	
Electrical Time Constant	0.9 msec	
Motor Constant	2.3 LBS/SQRT(Watt)	7.6 N/SQRT(Watt)
Force Constant	5.0 LBS/Amp	22.3 N/Amp
Back EMF	0.5 V/ips	22.3 V/m/sec
Continuous Force	10.8 LBS	48 N
Max Power @ 100% Duty	23 Watts	
Peak Force	32.4 LBS	144 N
Max Power @ 10% Duty	200 Watts	

