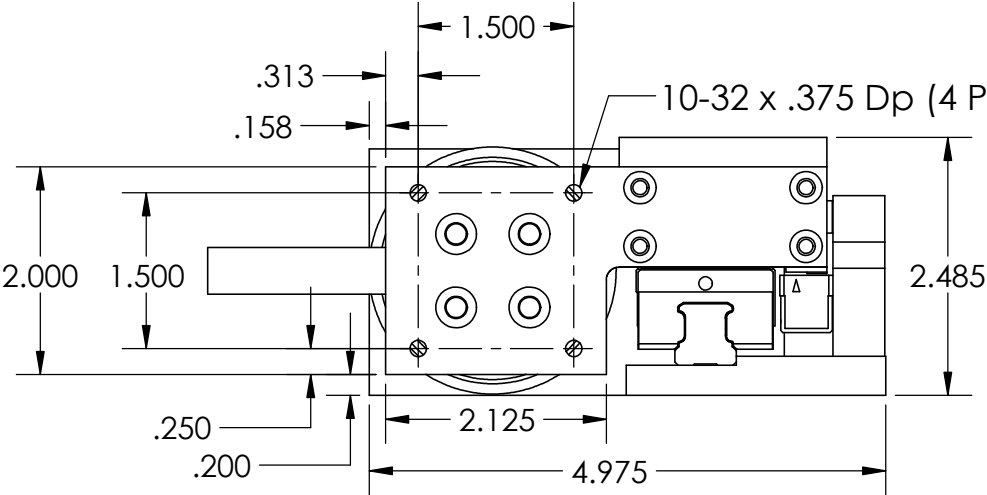
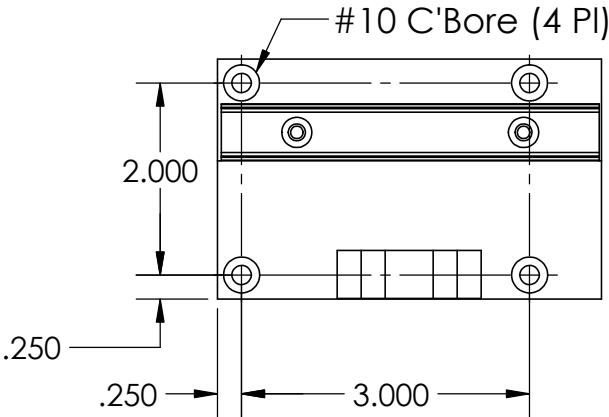


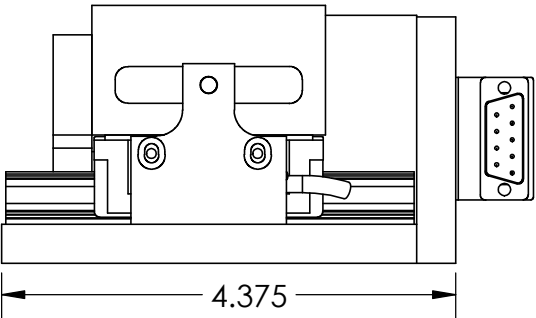
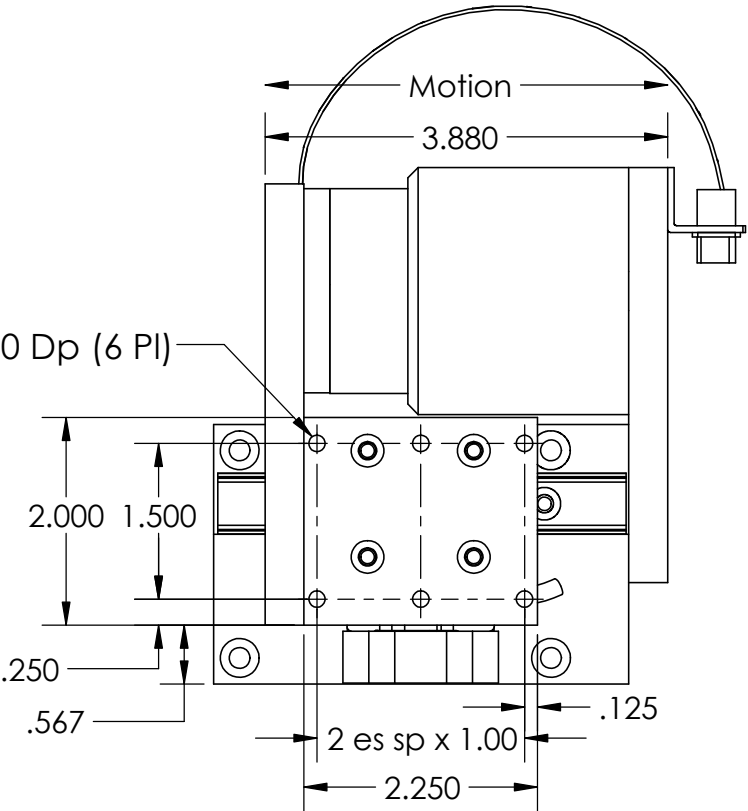
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REVISION TABLE					
REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE
---	---	Original Drawing	OOG	MPW	4-29-13

PARTS HAVE BEEN HIDDEN
TO SHOW MOUNTING HOLES



10-32 x .40 Dp (6 Pl)

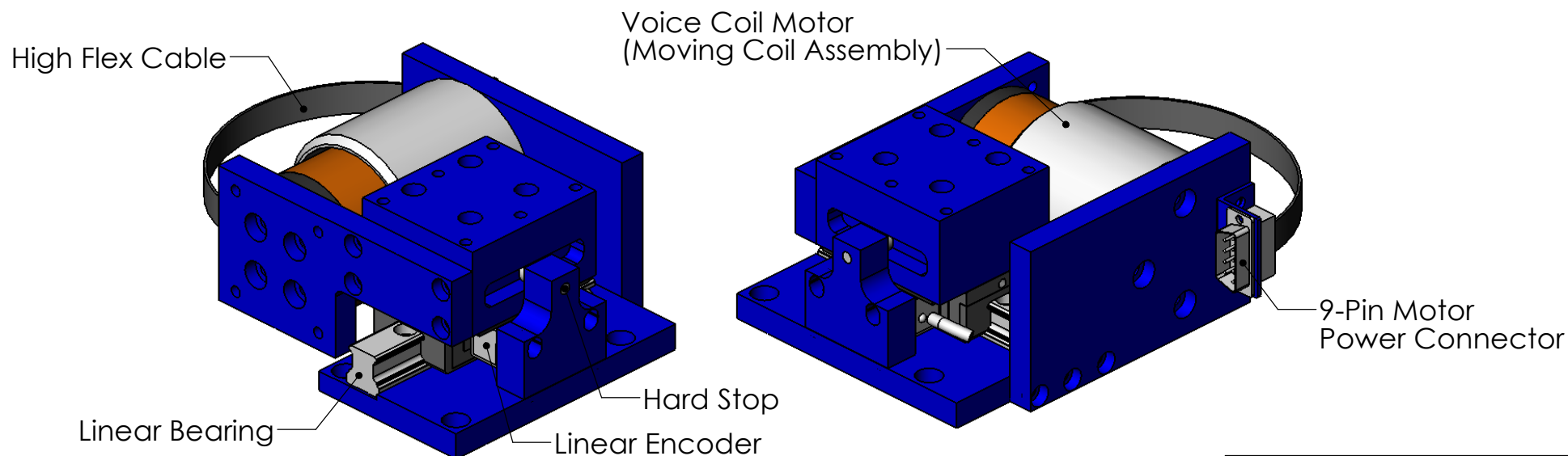


MOTOR SHOWN AT MID-STROKE

UNLESS SPECIFIED OTHERWISE: All dimensions are in inches Standard Tolerances are as follows .XXX ±.005 ANGLES ±1° .XX ±.010 FILLETS .010 .X ±.020 CORNERS .010 Remove All Burs and Sharp Edges	MATERIAL		TITLE	
	FINISH		Voice Coil Positioning Stage Model #: VCS15-084-LB-01-MCS	
DRAWN	DATE	APPROVED	DATE	DWG #
OOG	4-29-13	MPW	4-29-13	31-0624
				REV

				SHEET
				1 of 2

VOICE COIL POSITIONING STAGE SPECIFICATIONS (Bottom Axis)		
Motor P/N	NCC15-24-050-1R	
Stroke	1.50"	38.1 mm
Encoder Resolution	1 micron	
Bearing Type	Linear Bearing	
Moving Mass	1.33 lbs	604 grams
Total Mass	3.91 lbs	1775 grams
Resistance @ 20C	1.9 ohms / 7.8 ohms	
Inductance @ 20C	1.4 mH / 5.8 mH	
Electrical Time Constant	0.74 msec	
Motor Constant	1.48 LBS/SQRT(Watt)	6.59 N/SQRT(Watt)
Force Constant	2.04 LBS/Amp or 4.13 LBS/Amp	9.08 N/Amp or 18.38 N/Amp
Back EMF	0.23 V/ips or .46 V/ips	9.08 V/m/sec or 18.38 V/m/sec
Continuous Force	8.4 LBS	37.4 N
Max Power @ 100% Duty	32 Watts	
Peak Force	25.2 LBS	112 N
Max Power @ 10% Duty	291 Watts	



TITLE	Voice Coil Positioning Stage Model #: VCS15-084-LB-01-MCS		
DWG #	31-0604	REV	---
SHEET	2 of 2		