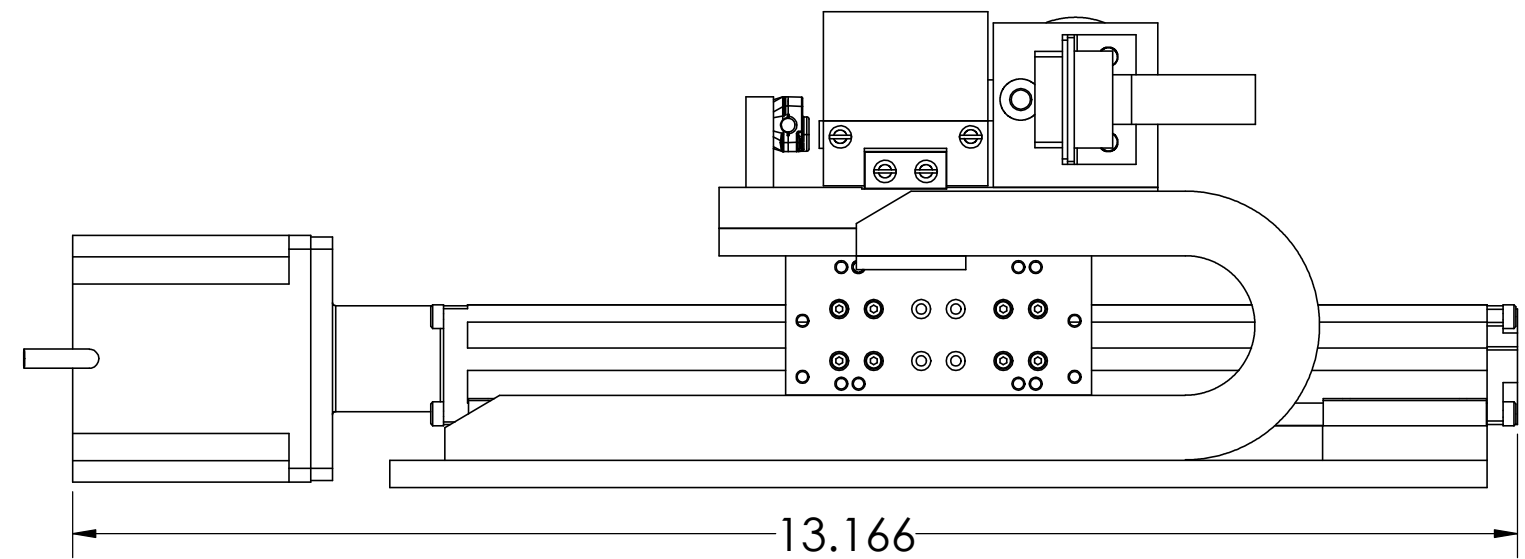
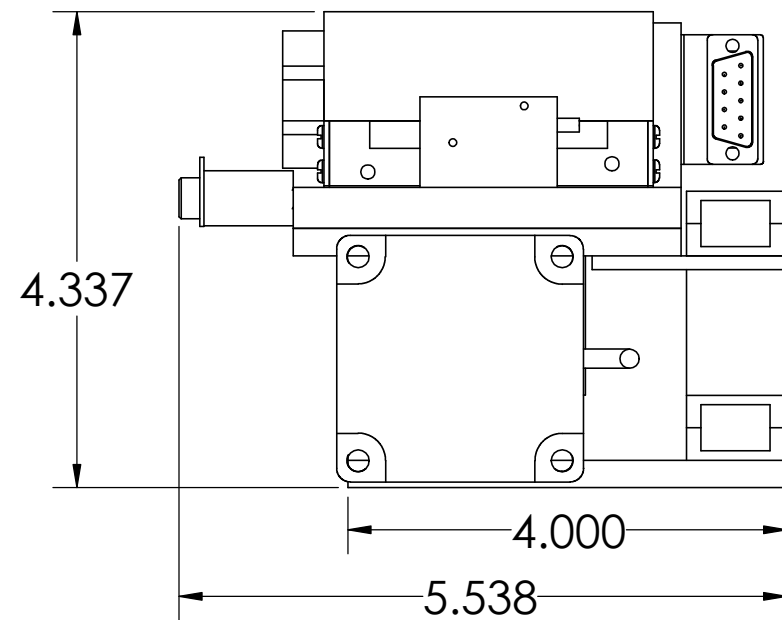
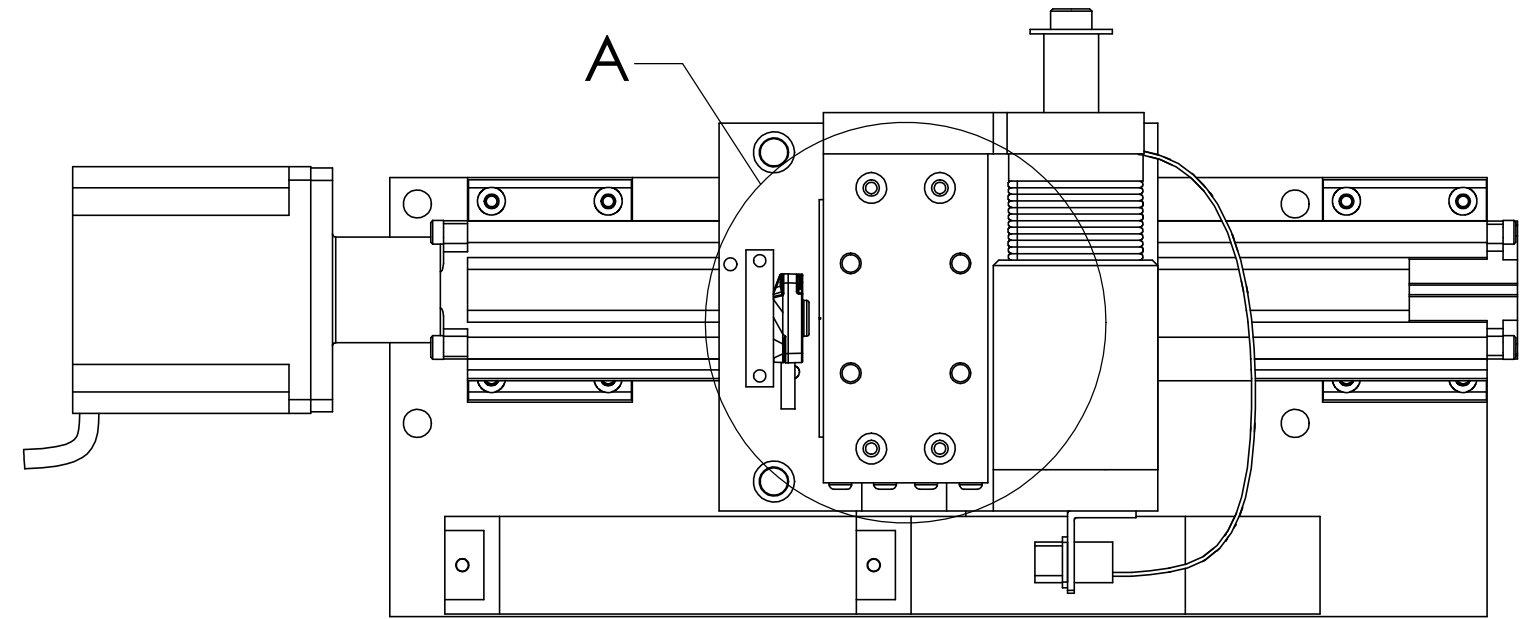


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REVISION TABLE					
REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE
---	---	Original Drawing	OOG	MPW	8-9-12



STAGES SHOWN AT MID-STROKE

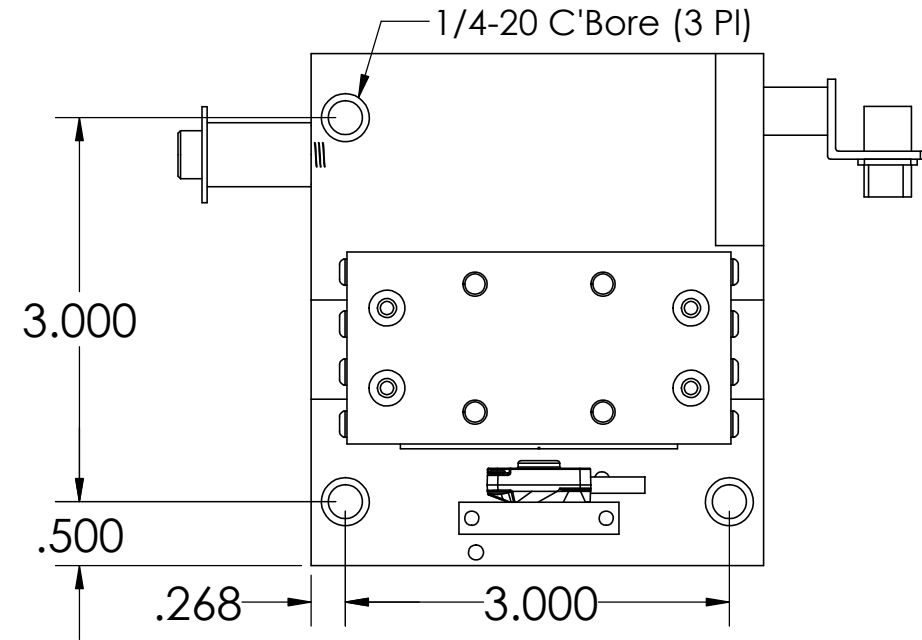
UNLESS SPECIFIED OTHERWISE: All dimensions are in inches Standard Tolerances are as follows .XXX ±.005 ANGLES ±1° .XX ±.010 FILLETS AND .X ±.020 CORNERS .010 Remove All Burrs and Sharp Edges		MATERIAL		FINISH		TITLE	
DRAWN	DATE	APPROVED	DATE	DWG #	REV	SHEET	
OOG	8-9-12	MPW	8-9-12	44-0061	---	1 of 3	

H2W Technologies, Inc.
26470 Ruether Ave #102 Santa Clarita, CA 91350 USA
Tel: (661) 251-2081 Fax: (661) 251-2067
www.h2wtech.com

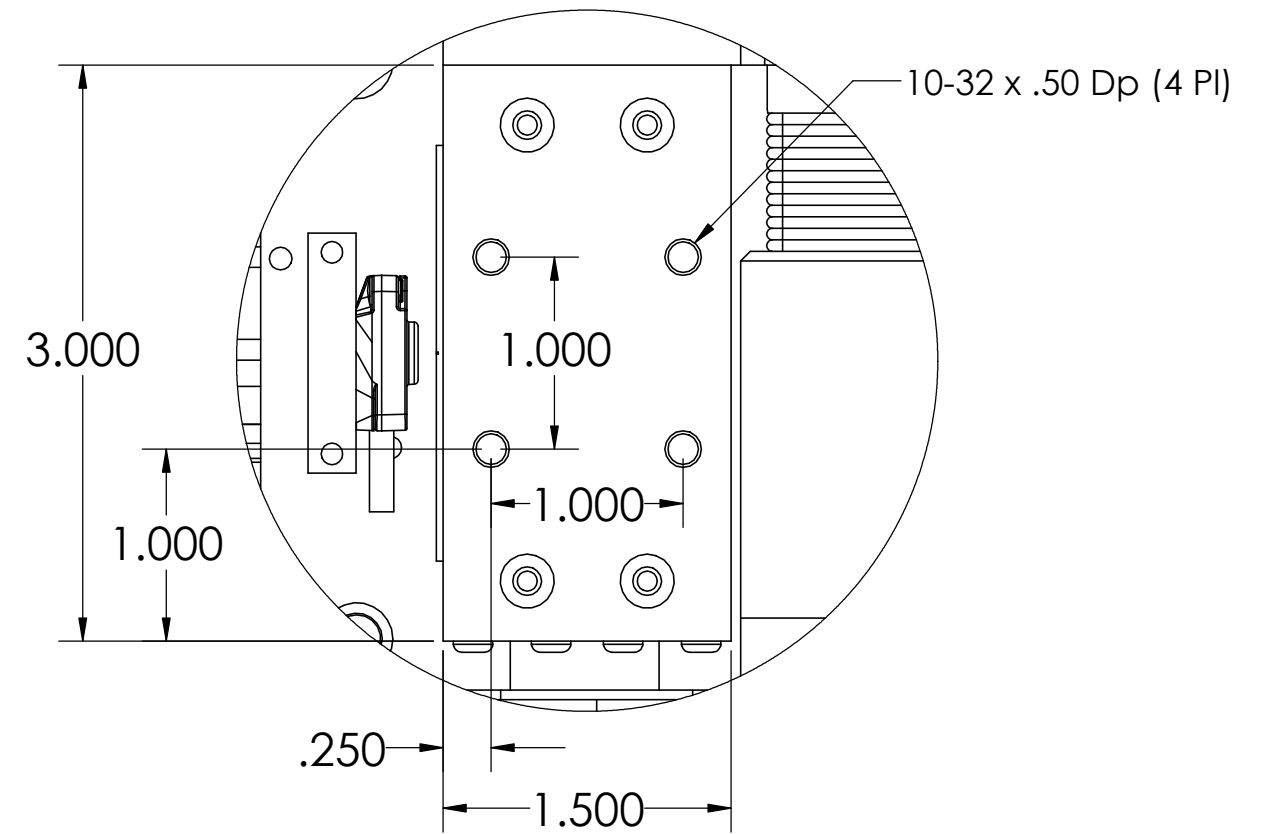
XY Screw Voice Coil Stage

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Voice Coil Stage Base Mounting Holes
MOTOR HAS BEEN HIDDEN TO SHOW MOUNTING HOLES

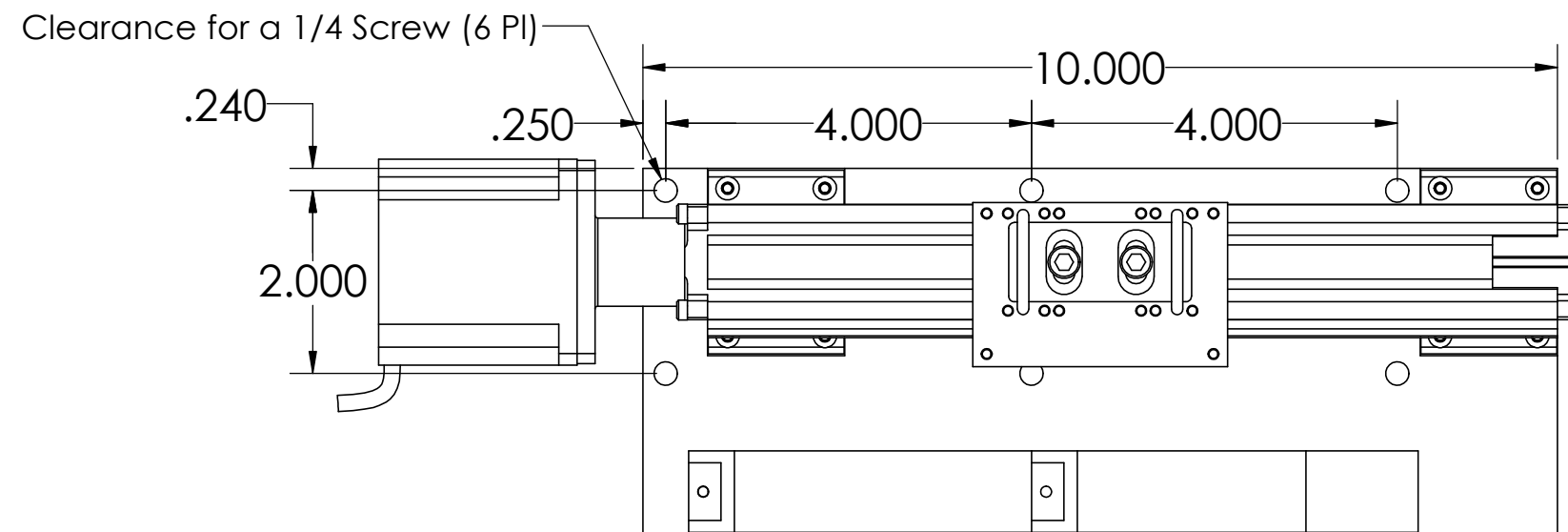


Voice Coil Stage Payload Mountign Holes

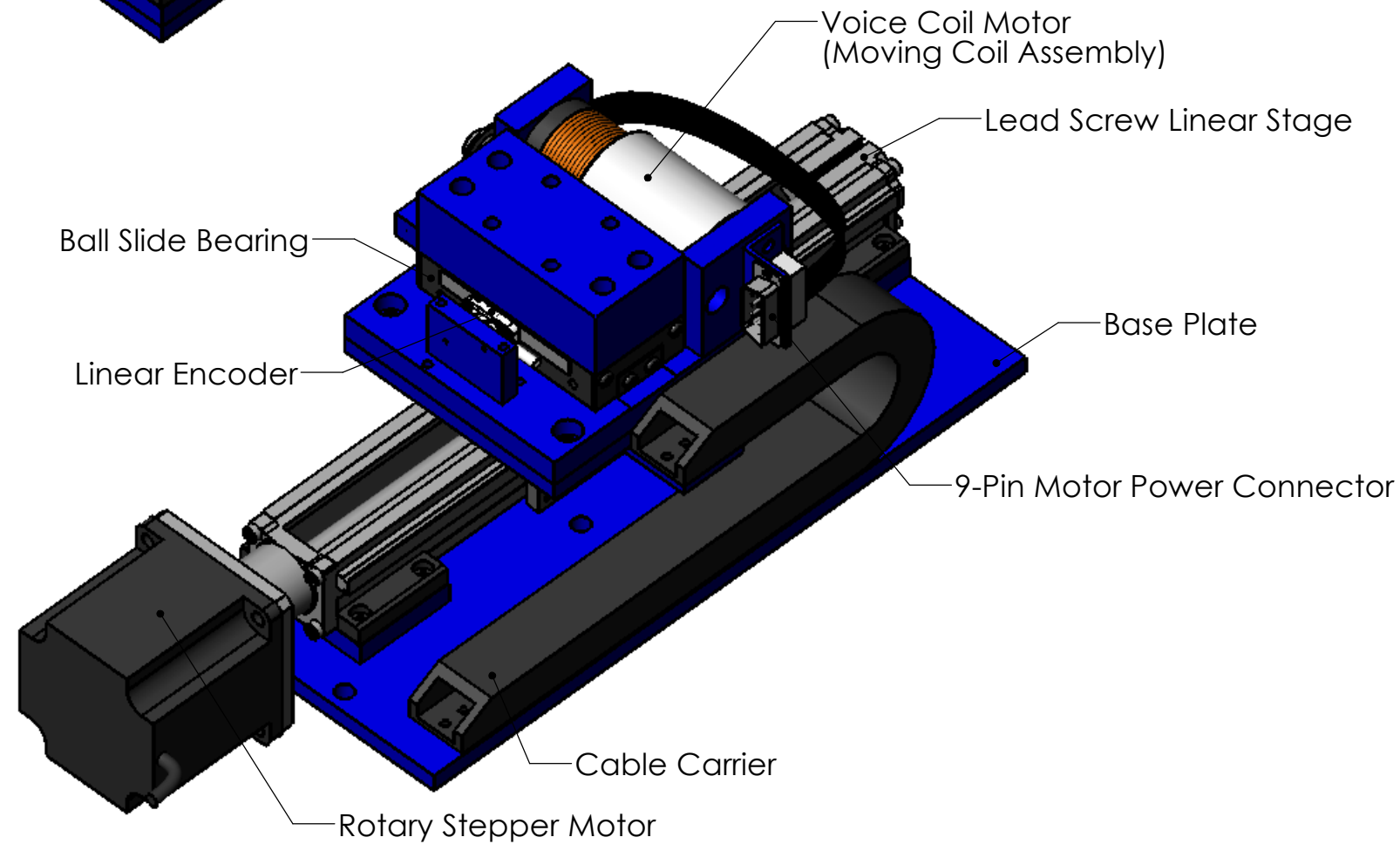
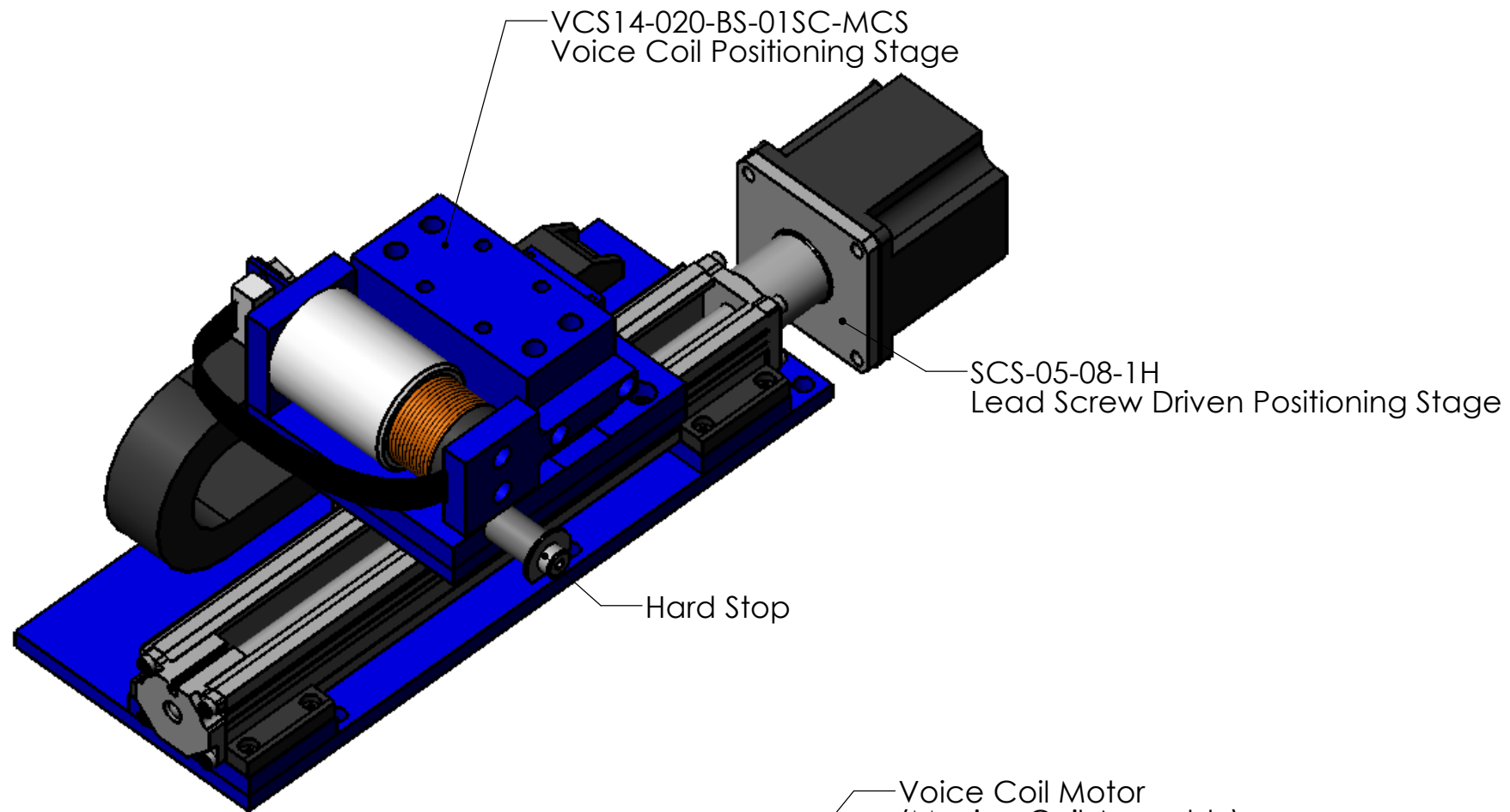


DETAIL A

Screw Stage Base Mountign Holes
VOICE COIL STAGE HAS BEEN HIDDEN TO SHOW MOUNTING HOLES



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VOICE COIL POSITIONING STAGE SPECIFICATIONS

Motor P/N	NCC14-15-020-1X	
Stroke	1.44"	36.6 mm
Encoder Signal	Sin/Cos 1Vp-p	
Bearing Type	Ball Slide	
Moving Mass	0.80 lbs	363 grams
Total Mass	2.26 lbs	1026 grams
Resistance @ 20C	4.6 ohms	
Inductance @ 20C	2.8 mH	
Electrical Time Constant	0.60 msec	
Motor Constant	0.64 LBS/SQRT(Watt)	2.85 N/SQRT(Watt)
Force Constant	1.4 LBS/Amp	6.2 N/Amp
Back EMF	0.16 V/ips	6.2 V/m/sec
Continuous Force	2.0 LBS	8.9 N
Max Power @ 100% Duty	10 Watts	
Peak Force	6.0 LBS	26.7 N
Max Power @ 10% Duty	88 Watts	