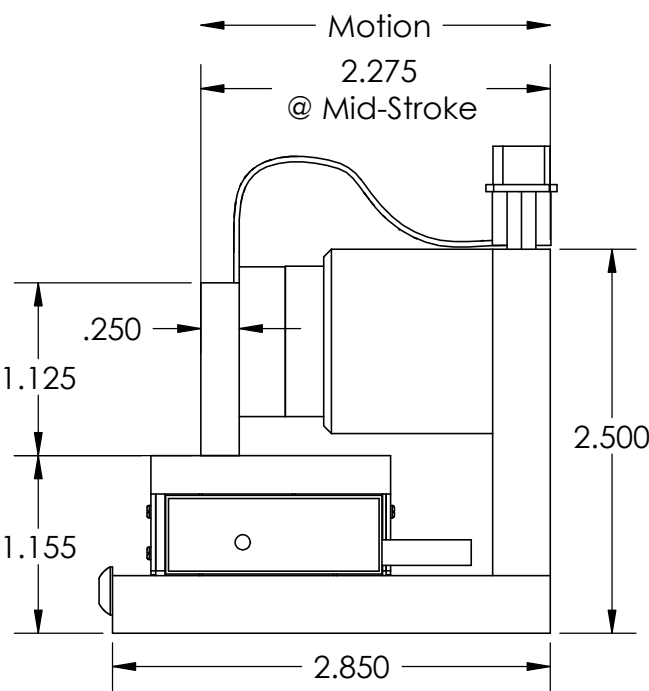
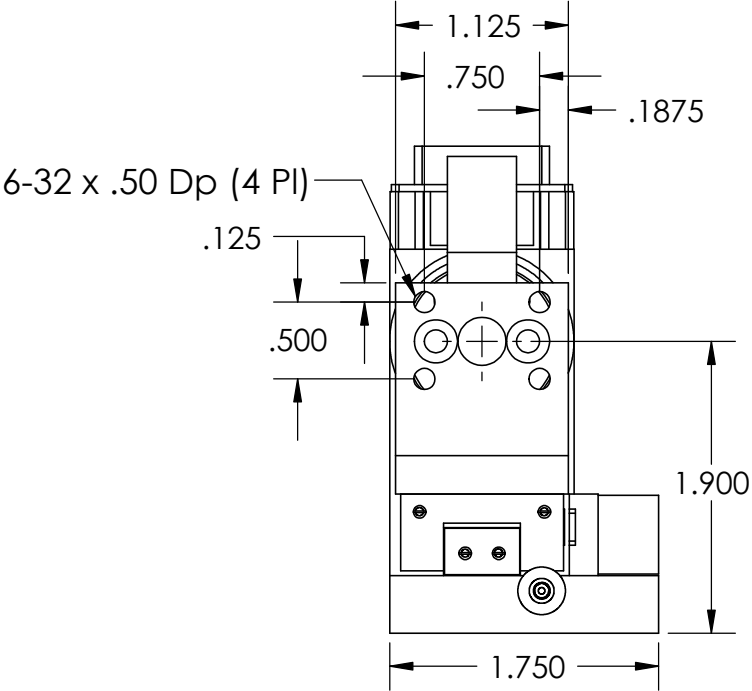
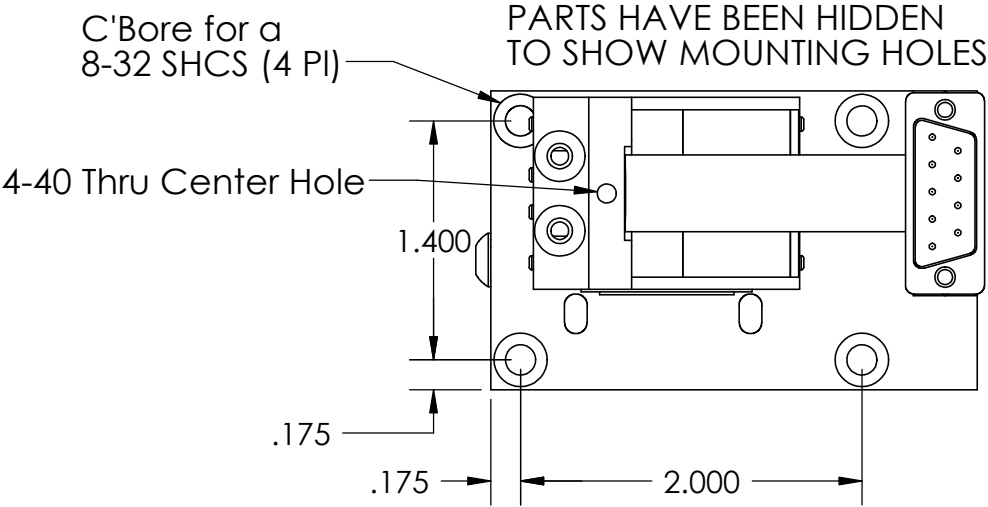


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REVISION TABLE						
REV	ECN#	DESCRIPTION		REV BY	APPROVED	DATE
---	---	Original Drawing		OOG	MPW	4-11-15



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		H2W Technologies, Inc. 26380 Ferry Court Santa Clarita, CA 91350 USA Tel: (661) 291-1620 Fax: (661) 291-1626 www.h2wtech.com	
				DRAWN	DATE	APPROVED	DATE
				OOG	4-11-15	MPW	4-11-15
				DWG #	31-0721		SHEET
				REV ---		1 of 1	

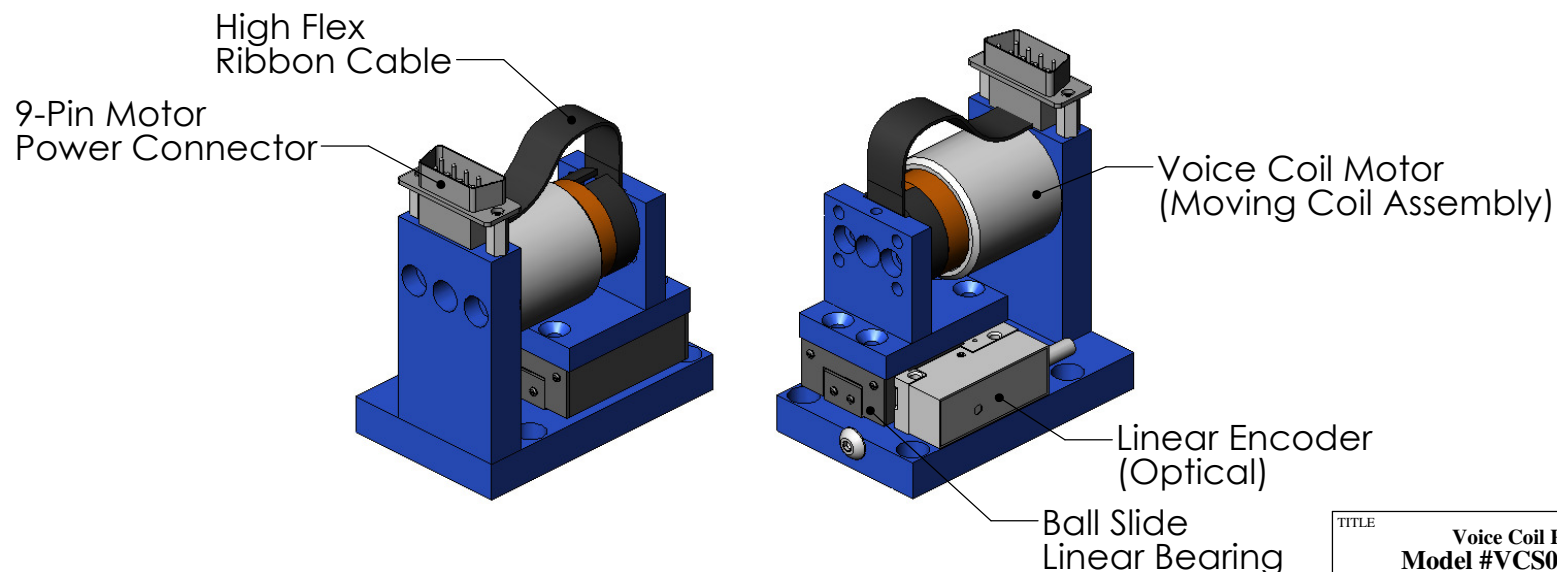


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Voice Coil Positioning Stage
Model #VCS05-011-BS-001-CH

31-0721

VOICE COIL POSITIONING STAGE SPECIFICATIONS		
Motor P/N	NCC05-11-011-1X	
Stroke	0.50"	12.07 mm
Encoder Resolution	0.1 micron	
Encoder Type	Optical	
Bearing Type	Crossed Roller	
Moving Part	Coil Assembly	
Moving Mass	0.20 lbs	90 grams
Total Mass	0.80 lbs	360 grams
Resistance @ 20C	3.0 ohms	
Inductance @ 20C	1.0 mH	
Electrical Time Constant	0.33 msec	
Motor Constant	0.67 LBS/SQRT(Watt)	2.98 N/SQRT(Watt)
Force Constant	1.2 lbs/Amp	5.2 N/Amp
Back EMF	0.13 V/ips	5.2 V/m/sec
Force @ 100% Duty	1.1 lbs	4.9 N
Power @ 100% Duty	3 watts	
Current @ 100% Duty	1.0 Amps	
Force @ 10% Duty	3.3 lbs	14.7 N
Power @ 10% Duty	24 watts	
Current @ 10% Duty	2.8 Amps	



TITLE		
Voice Coil Positioning Stage Model #VCS05-011-BS-001-CH		
DWG #	31-0721	REV ---
		SHEET 2 of 2