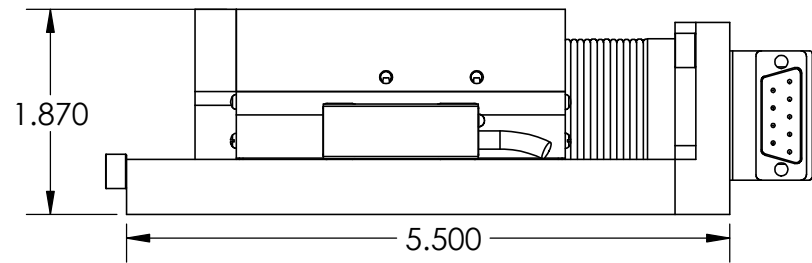
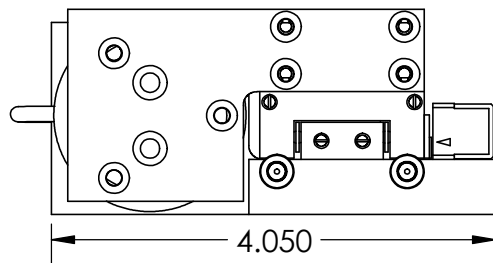
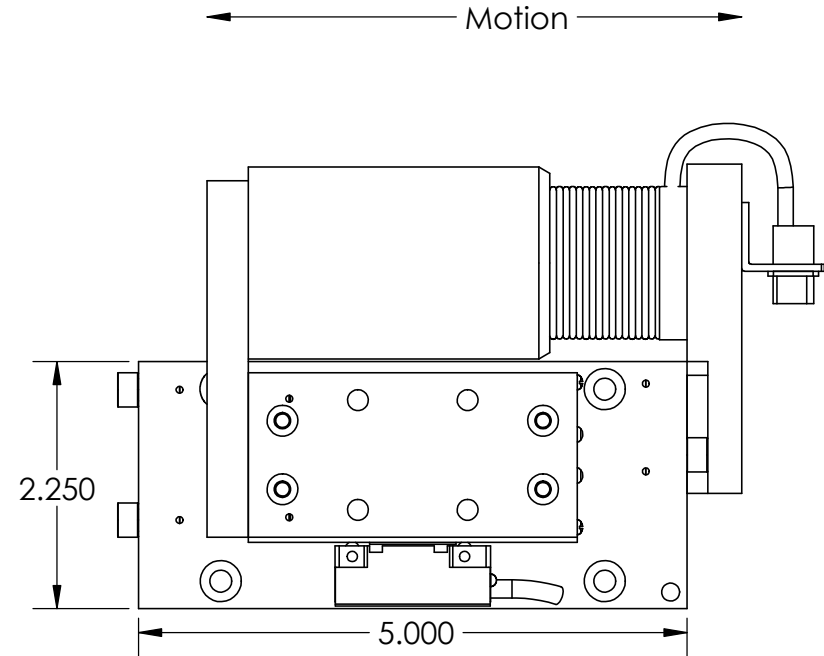


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REVISION TABLE					
REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE
---	---	Original Drawing	OOG	MPW	3-10-15



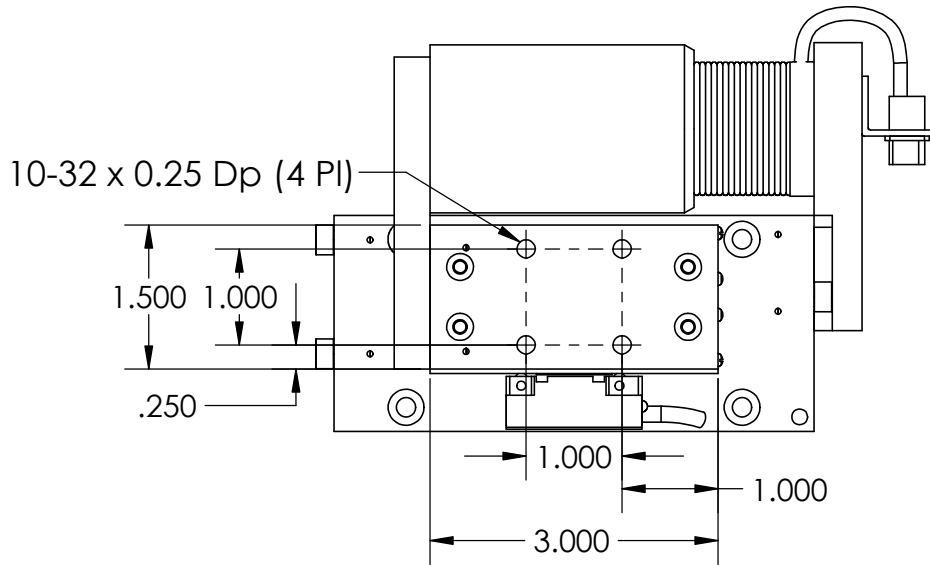
MOTOR SHOWN AT MID-STROKE



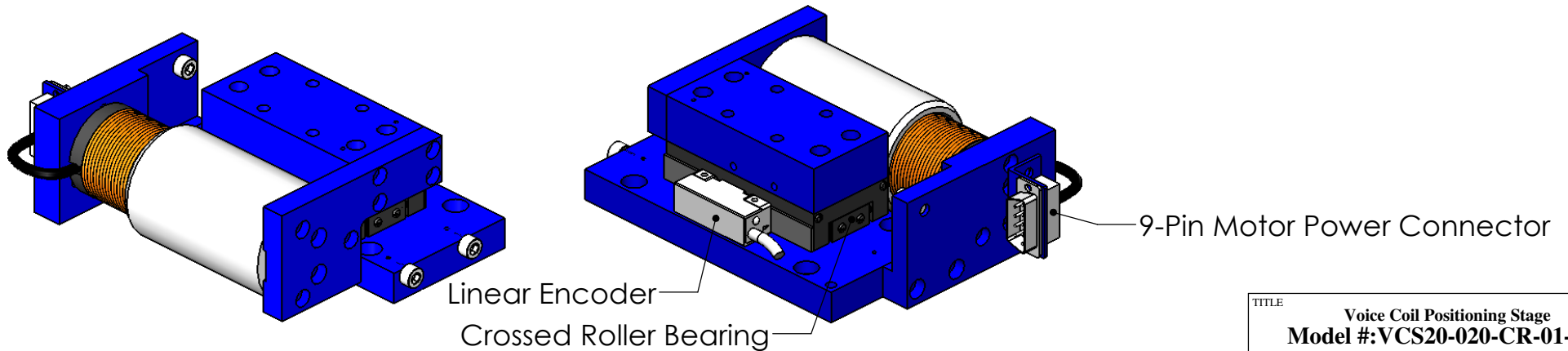
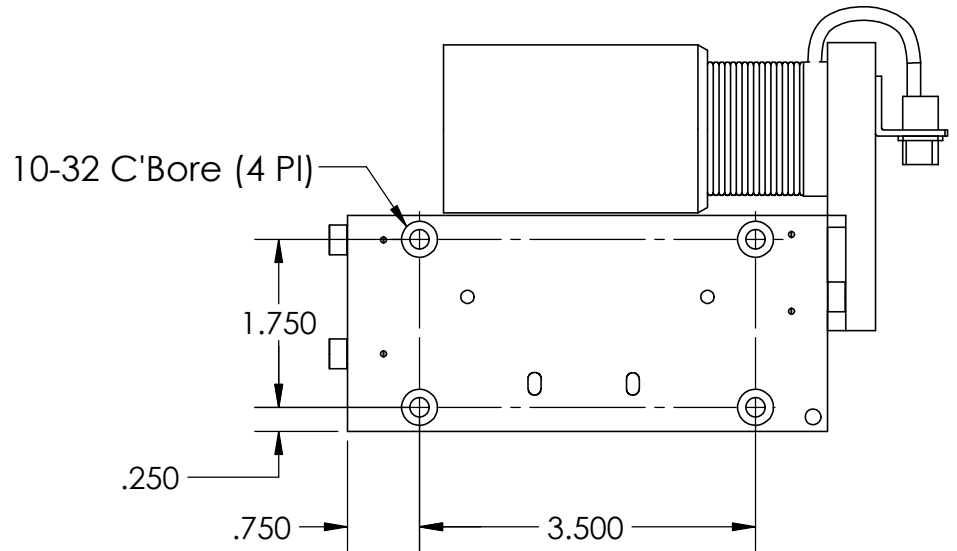
H2W Technologies, Inc.
 26380 Ferry Court Santa Clarita, CA 91350 USA
 Tel: (661) 291-1620 Fax: (661) 291-1626
 www.h2wtech.com

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		DRAWN		DATE		APPROVED		DATE		DWG #		REV		SHEET	
						Voice Coil Positioning Stage Model #: VCS20-020-CR-01-MS		OOG		3-10-15		MPW		3-10-15		31-0719		---		1 of 3	

PAYLOAD MOUNTING HOLES



PARTS HAVE BEEN HIDDEN TO SHOW STAGE MOUNTING HOLES



TITLE	Voice Coil Positioning Stage Model #:VCS20-020-CR-01-MS	
DWG #	31-0719	REV ---
		SHEET 2 of 3

VOICE COIL POSITIONING STAGE SPECIFICATIONS		
Motor P/N	NCC20-18-020-1A	
Stroke	2.00"	50.8 mm
Encoder Resolution	1 micron	
Encoder Type	Magnetic	
Bearing Type	Crossed Roller	
Moving Part	Magnet Assembly	
Moving Mass	1.90 lbs	0.86 kg
Total Mass	3.75 lbs	1.7 kg
Resistance @ 20C	3.50 ohms	
Inductance @ 20C	3.70 mH	
Electrical Time Constant	1.05 msec	
Motor Constant	0.75 LBS/SQRT(Watt)	3.34 N/SQRT(Watt)
Force Constant	1.4 lbs/Amp	6.1 N/Amp
Back EMF	0.2 V/ips	6.1 V/m/sec
Force @ 100% Duty	2.0 lbs	8.9 N
Power @ 100% Duty	7 watts	
Current @ 100% Duty	1.4 Amps	
Force @ 10% Duty	6.0 lbs	26.7 N
Power @ 10% Duty	64 watts	
Current @ 10% Duty	4.3 Amps	