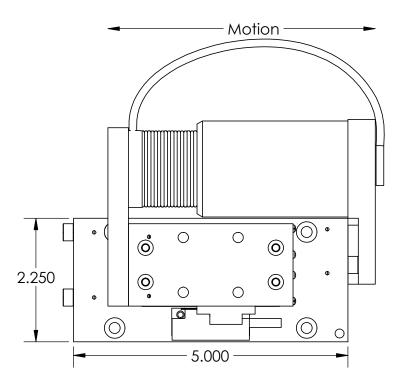
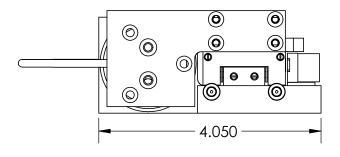
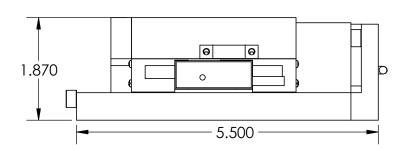
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REVISION TABLE							
REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE		
		Original Drawing	OOG	MPW	3-10-15		







MOTOR SHOWN AT MID-STROKE

OOG

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

31-0711

UNLESS SPECIFIED OTHERWISE: All dimensions are in inches Standard Tolerances are as follows XXX ±.005 ANGLES ±1° XX ±.000 FILLETS .010 X ±.020 CORNERS .010 Remove All Burns and Sharp Edges

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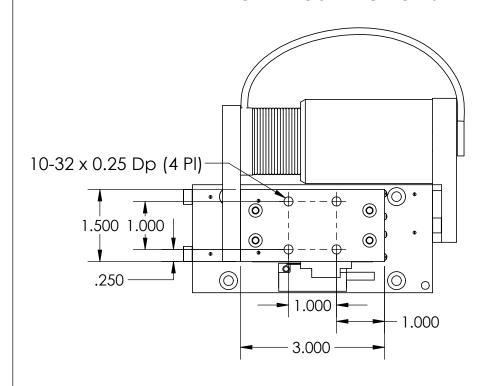
3-10-15

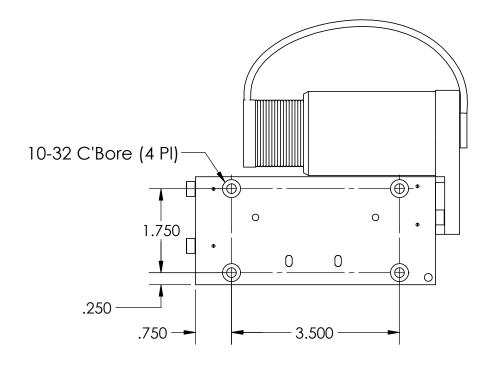
Voice Coil Positioning Stage
Model #:VCS20-020-CR-01-CSV

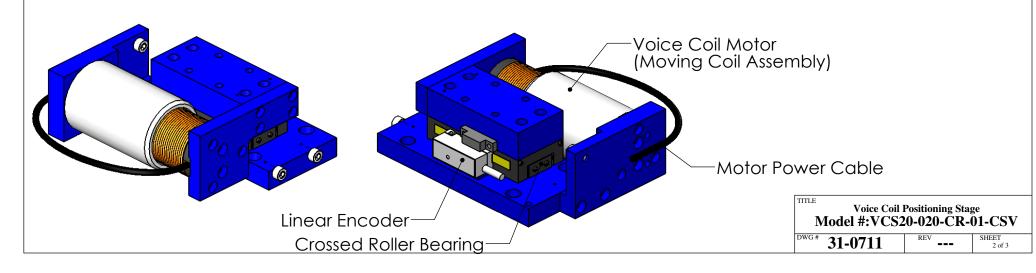
1 of 3

PAYLOAD MOUNTING HOLES

PARTS HAVE BEEN HIDDEN TO SHOW STAGE MOUNTING HOLES







VOICE COIL POSITIONING STAGE SPECIFICATIONS							
Motor P/N	NCC20-18-020-1A						
Stroke	2.00"	50.8 mm					
Encoder Resolution	1 micron						
Encoder Type	Optical						
Bearing Type	Crossed Roller						
Moving Part	Coil Assembly						
Moving Mass	0.95 lbs	0.43 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						

Note: Stage uses vacuum compatible components

Voice Coil Positioning Stage
Model #:VCS20-020-CR-01-CSV

DWG # 31-0711
