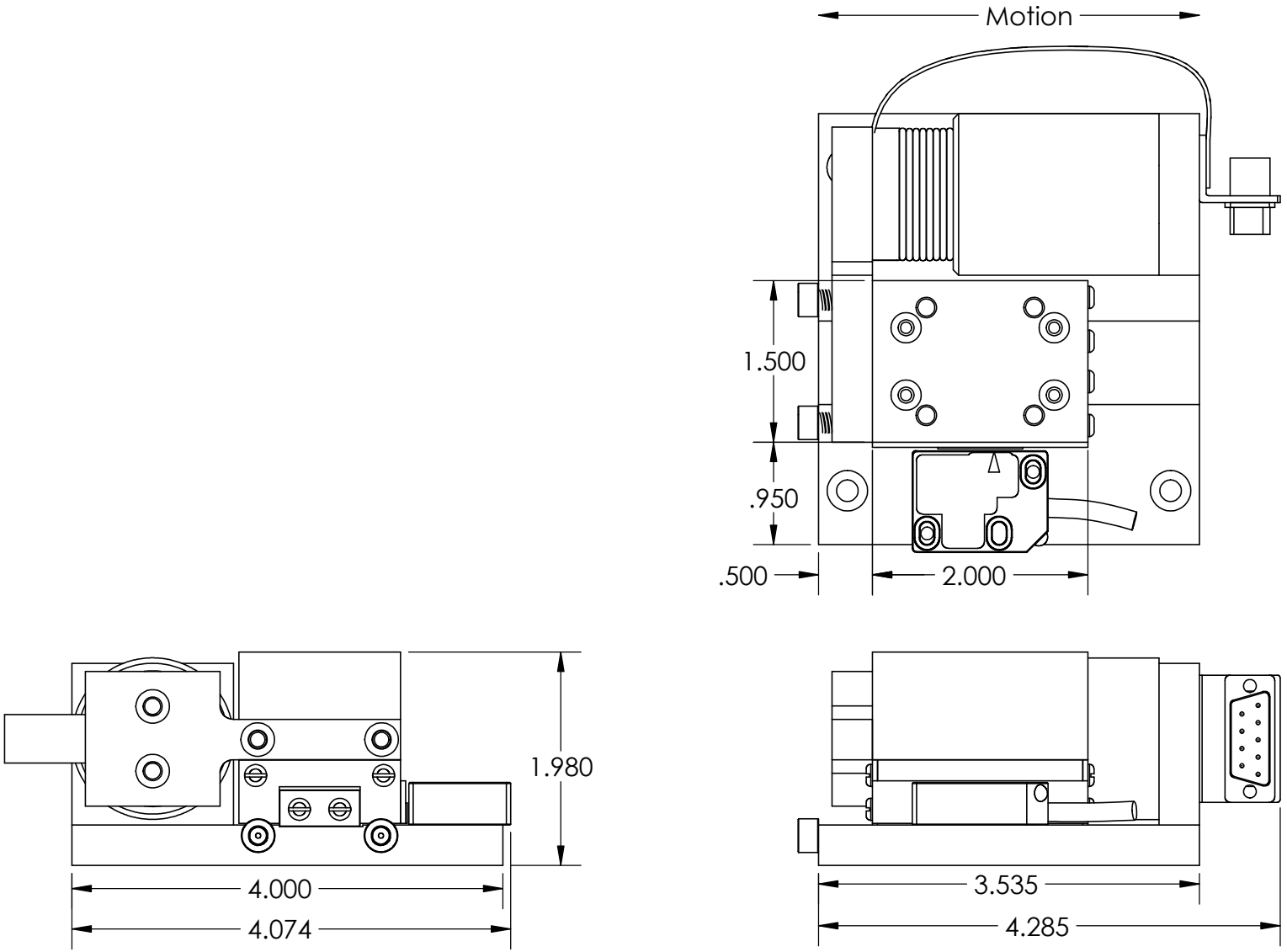
REVISION TABLE					
REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE
---	---	Original Drawing	OOG	MPW	3-5-12



MOTOR SHOWN AT MID-STROKE

H2W Technologies, Inc.
26470 Ruether Ave #102 Santa Clarita, CA 91350 USA
Tel: (661) 251-2081 Fax: (661) 251-2067
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 Burrs and Sharp Edges

MATERIAL

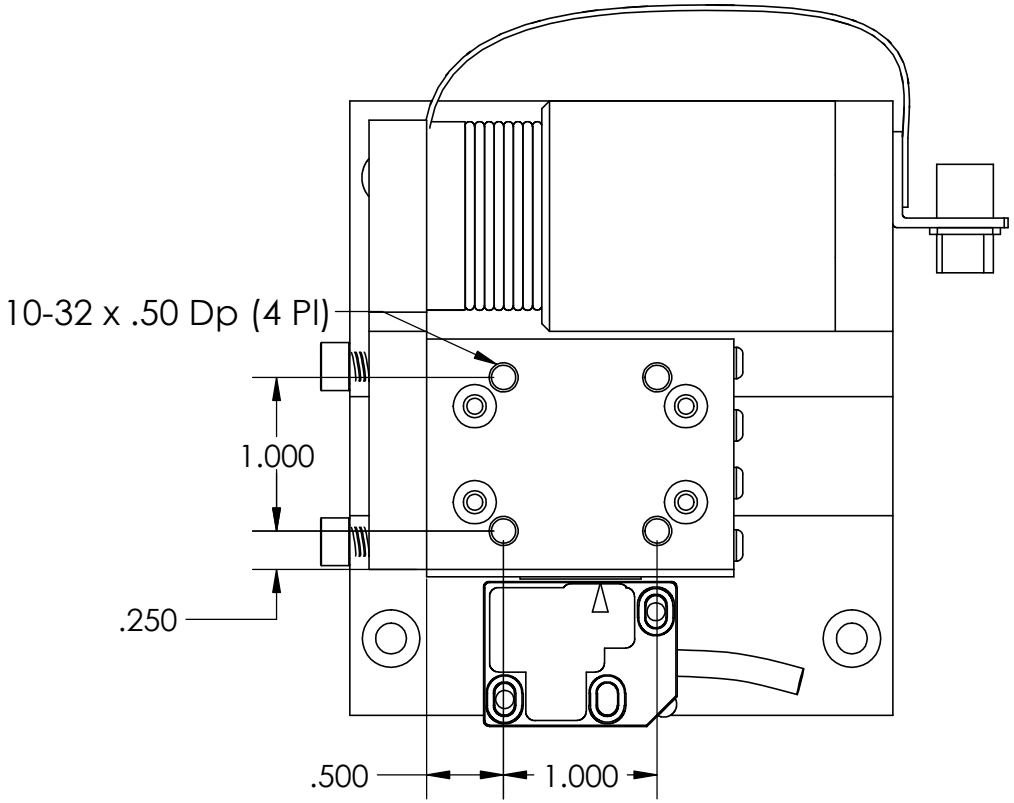
FINISH

DRAWN	DATE	APPROVED	DATE
OOG	3-5-12	MPW	3-5-12

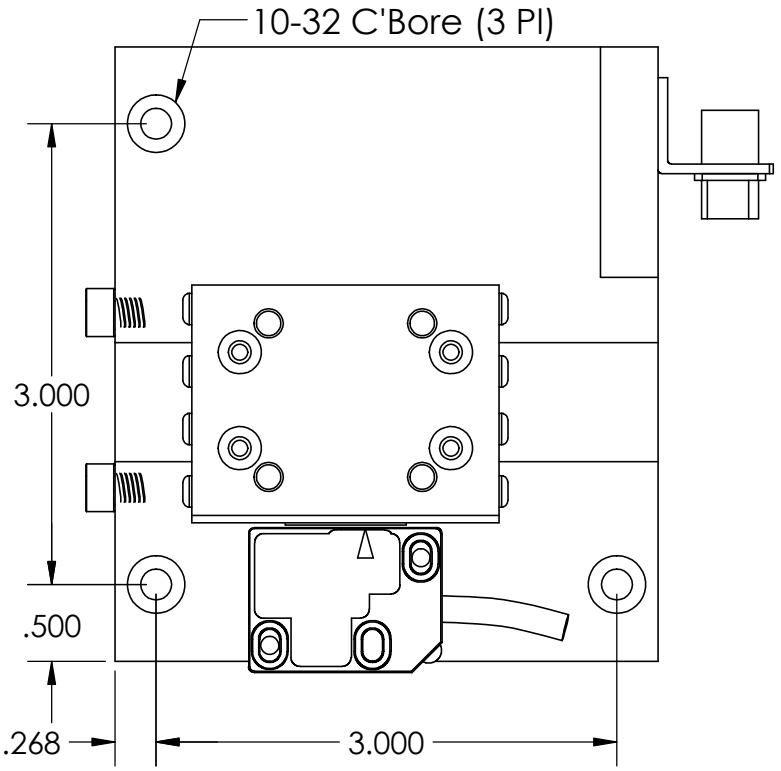
TITLE
Voice Coil Positioning Stage
Model #: VCS10-023-BS-01-MCS

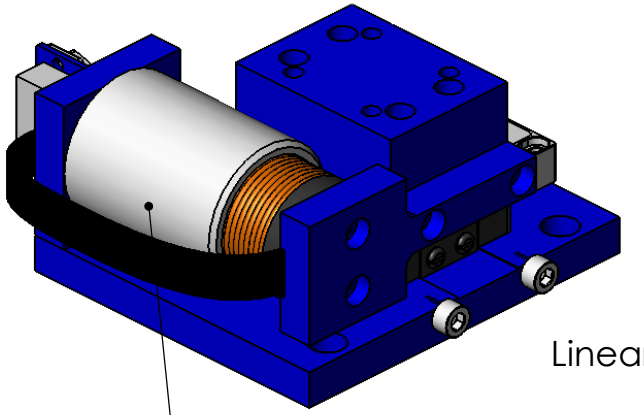
DWG #	REV	SHEET
31-0310	**---**	1 of 3

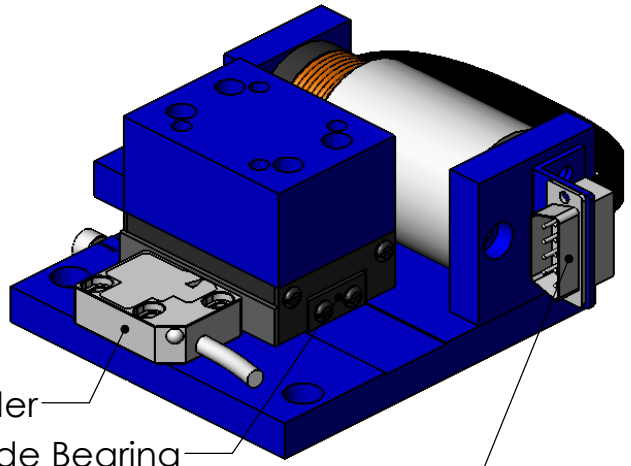
PAYLOAD MOUNTING HOLES



MOTOR HAS BEEN HIDDEN
TO SHOW MOUNTING HOLES







TITLE: **Voice Coil Positioning Stage** **Model #: VCS10-023-BS-01-MCS**			
DWG # **31-0310**	REV **---**	SHEET 2 of 3	

VOICE COIL POSITIONING STAGE SPECIFICATIONS		
Motor P/N	NCC10-15-023-1X	
Stroke	1.00"	25.4 mm
Encoder Resolution	1 micron	
Bearing Type	Ball Slide	
Moving Mass	0.53 lbs	241 grams
Total Mass	1.48 lbs	672 grams
Resistance @ 20C	7.5 ohms	
Inductance @ 20C	3.3 mH	
Electrical Time Constant	0.44 msec	
Motor Constant	0.85 LBS/SQRT(Watt)	3.78 N/SQRT(Watt)
Force Constant	2.3 LBS/Amp	10.2 N/Amp
Back EMF	0.26 V/ips	10.2 V/m/sec
Continuous Force	2.3 LBS	10.2 N
Max Power @ 100% Duty	7 Watts	
Peak Force	6.9 LBS	30.7 N
Max Power @ 10% Duty	66 Watts	

TITLE			
Voice Coil Positioning Stage Model #: VCS10-023-BS-01-MCS			
DWG # 31-0310	REV ---	SHEET 3 of 3	