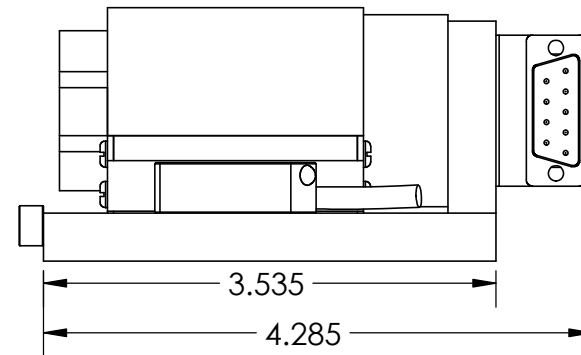
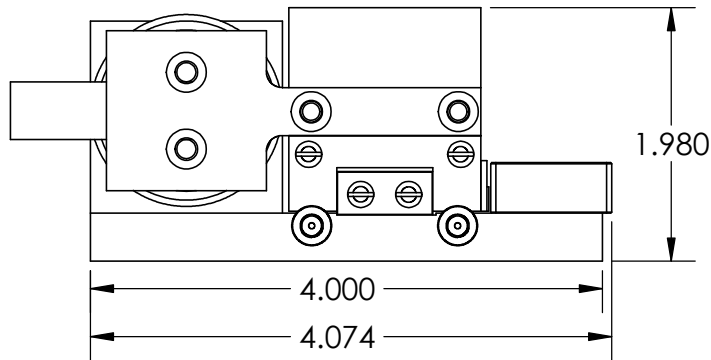
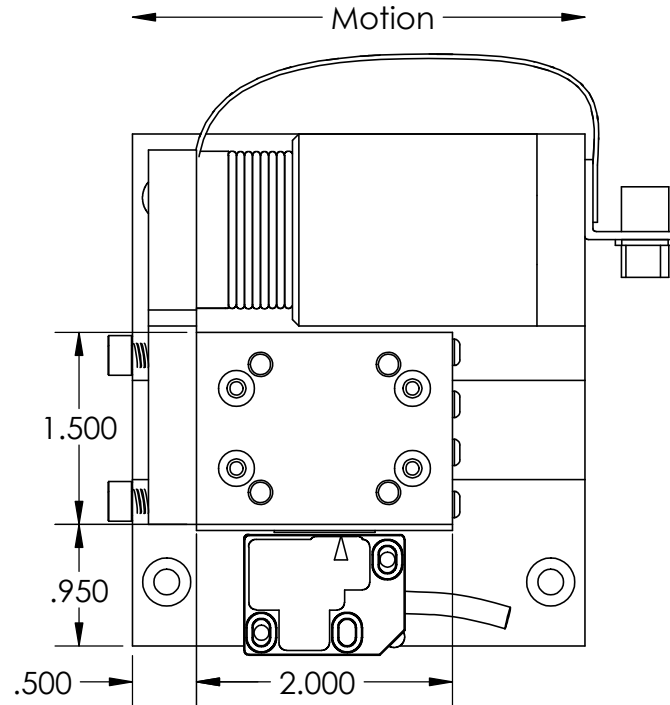


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REVISION TABLE					
REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE
---	---	Original Drawing	OOG	MPW	3-5-12

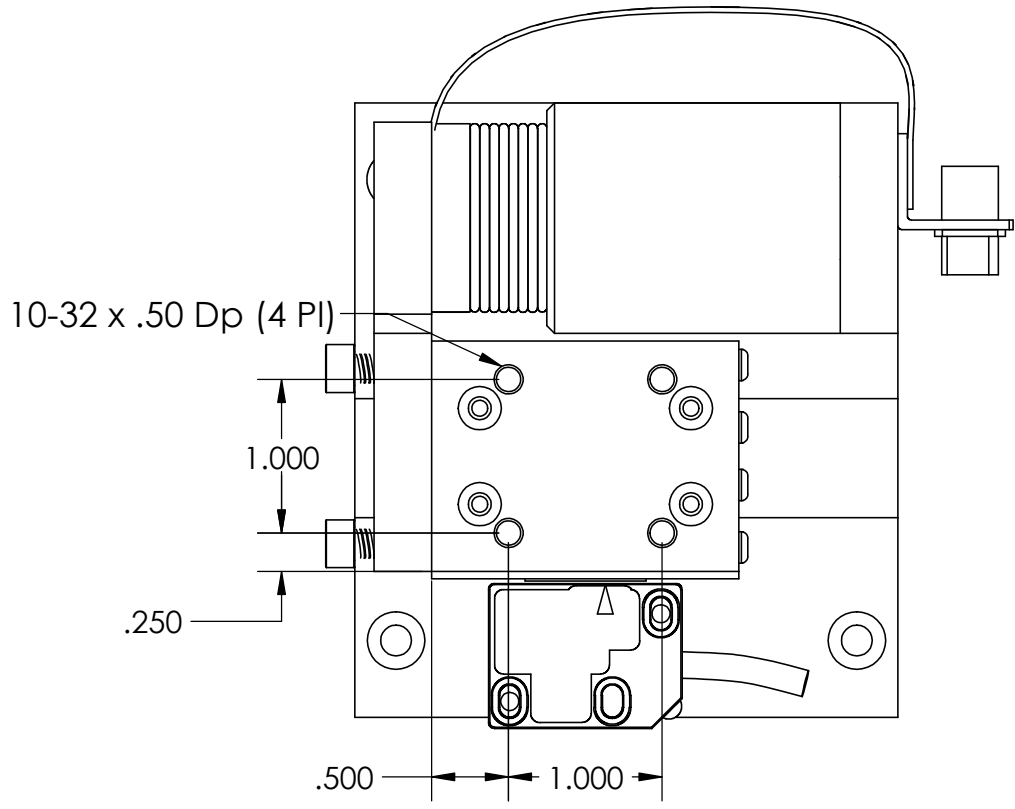


MOTOR SHOWN AT MID-STROKE

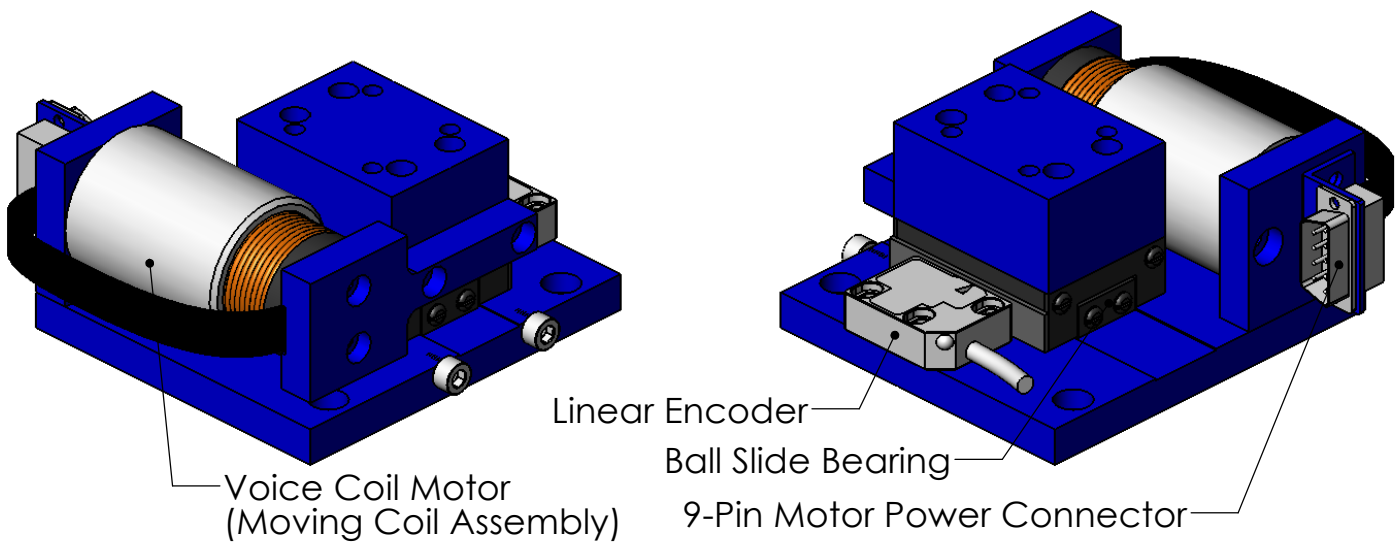
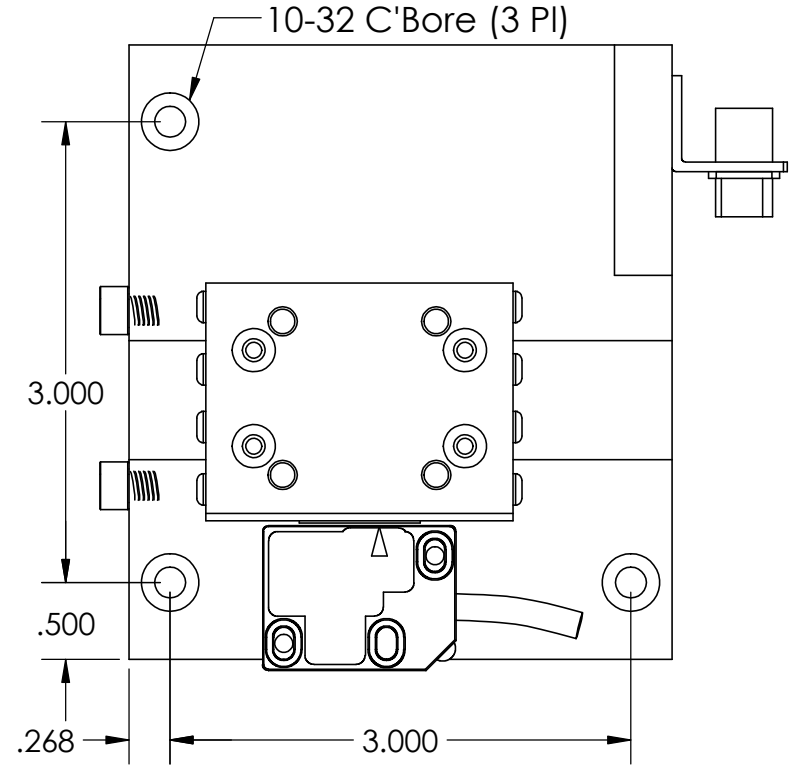
UNLESS SPECIFIED OTHERWISE: All dimensions are in inches Standard Tolerances are as follows .XXX ±.005 ANGLES ±1° .XX ±.010 FILLETS .010 .X ±.020 CORNERS .010 Remove All Burs and Sharp Edges				MATERIAL		TITLE	
				FINISH		Voice Coil Positioning Stage Model #: VCS10-023-BS-01-MCS	
DRAWN	DATE	APPROVED	DATE	DWG #	REV	SHEET	
OOG	3-5-12	MPW	3-5-12	31-0310	---	1 of 3	

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PAYLOAD MOUNTING HOLES



MOTOR HAS BEEN HIDDEN TO SHOW MOUNTING HOLES



Voice Coil Motor (Moving Coil Assembly)

Linear Encoder
Ball Slide Bearing
9-Pin Motor Power Connector

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