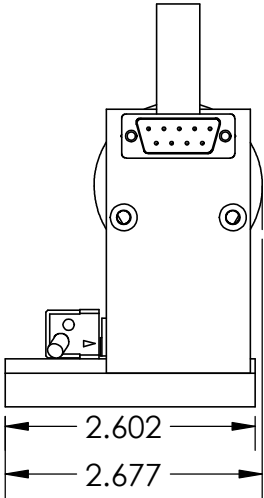
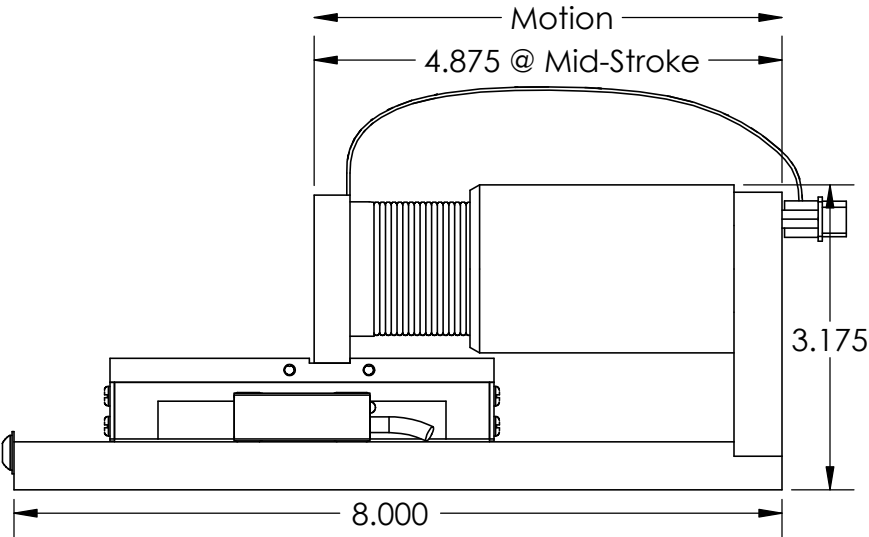
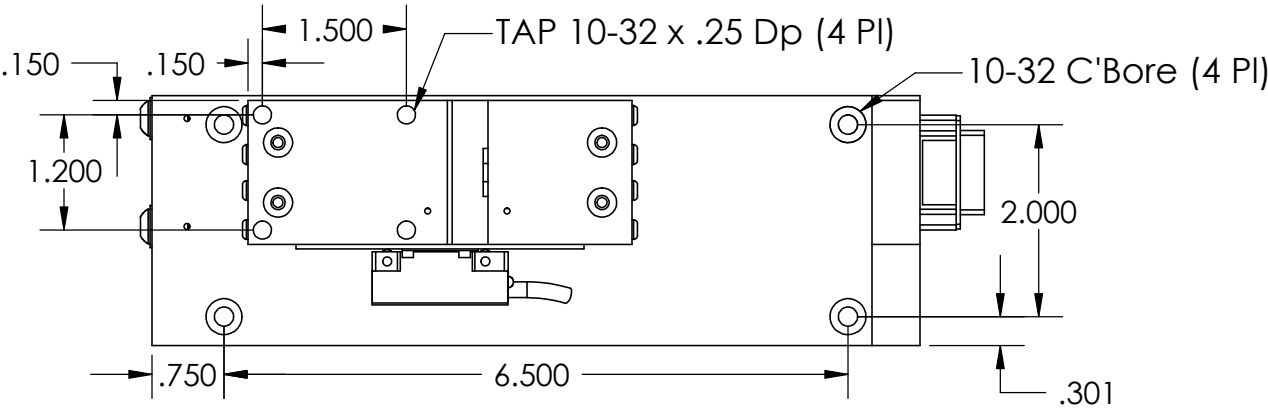


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REVISION TABLE					
REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE
---	---	Original Drawing	OOG	MPW	3-10-15

MOTOR HAS BEEN HIDDEN TO SHOW MOUNTING HOLES



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

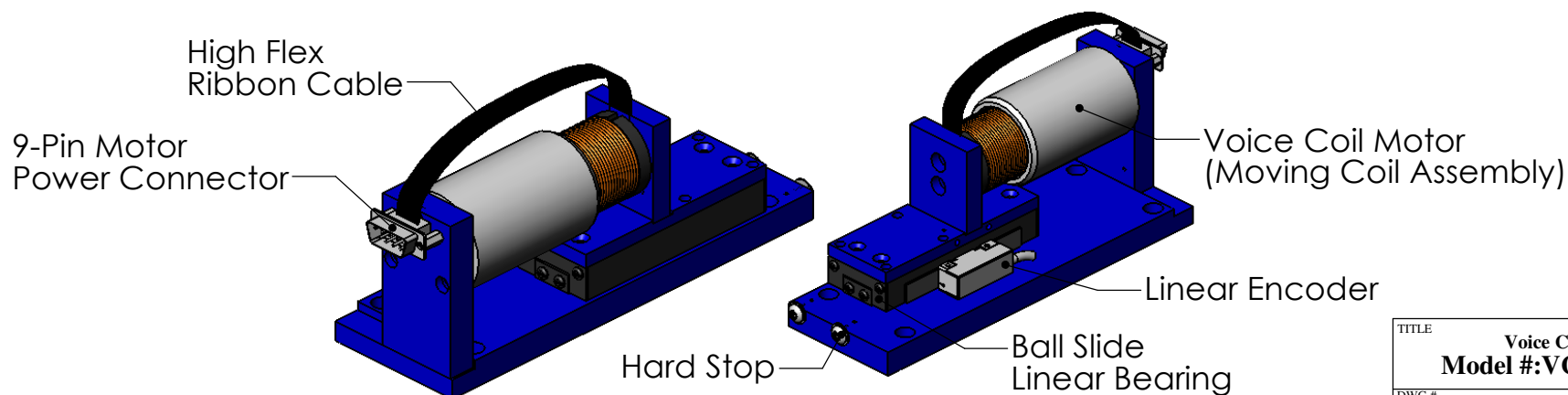
MATERIAL			
FINISH			
DRAWN	DATE	APPROVED	DATE
OOG	3-10-15	MPW	3-10-15



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TITLE			
Voice Coil Positioning Stage Model #: VCS20-020-BS-01-MC			
DWG #	REV	SHEET	
31-0718	---	1 of 2	

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	Ball Slide	
Moving Part	Coil Assembly	
Moving Mass	0.80 lbs	0.36 kg
Total Mass	3.60 lbs	1.63 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	



TITLE		
Voice Coil Positioning Stage		
Model #:VCS20-020-BS-01-MC		
DWG #	31-0718	REV ---
		SHEET 2 of 2