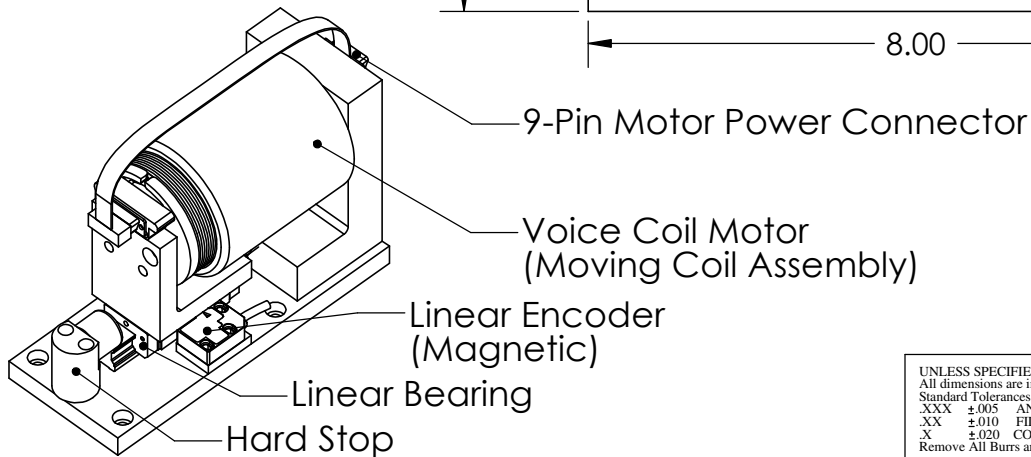
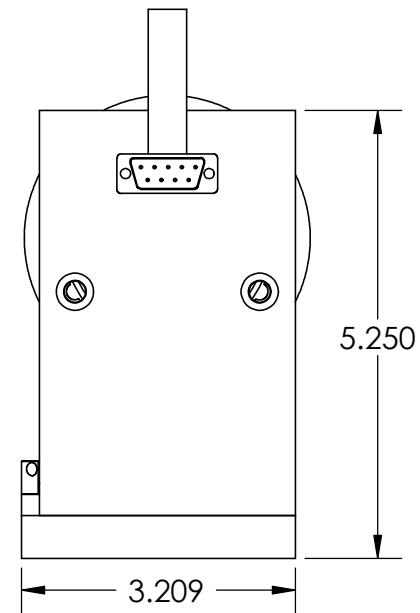
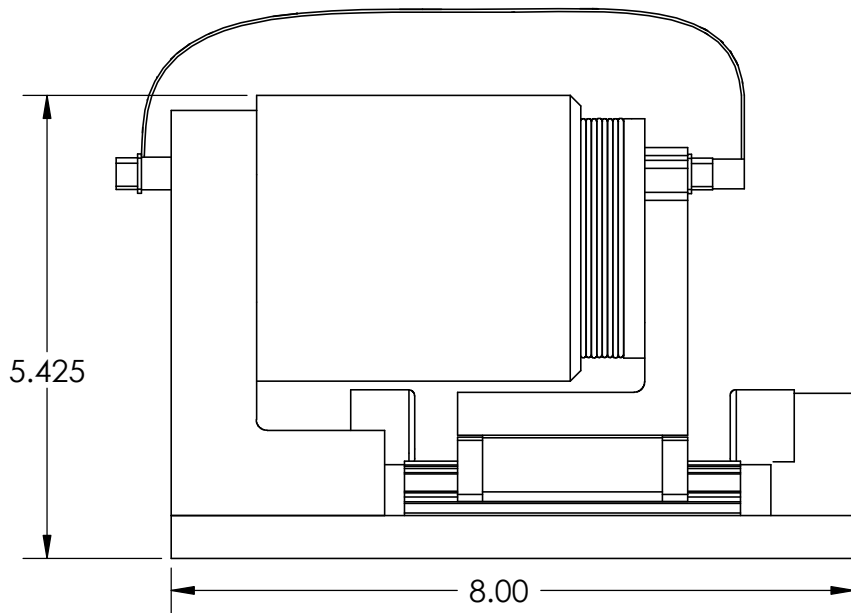
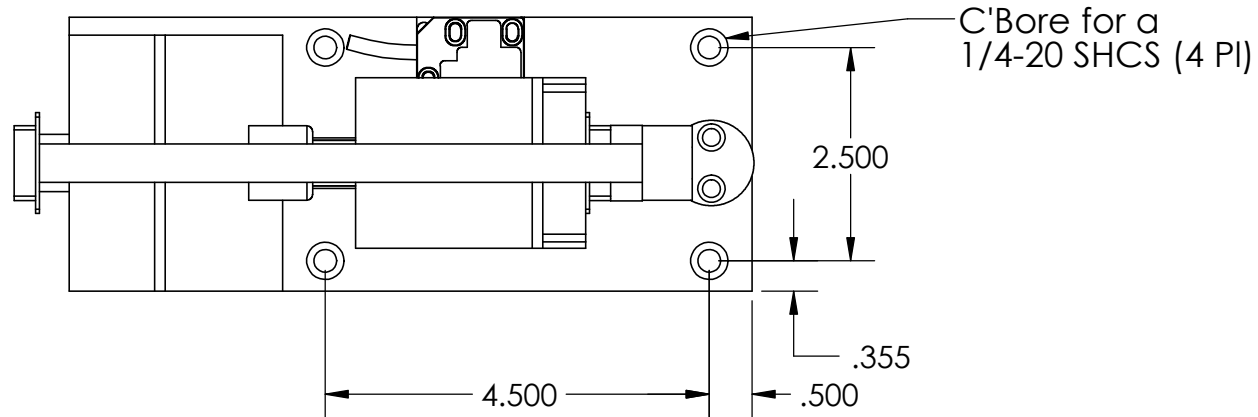


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MOTOR HAS BEEN HIDDEN TO SHOW MOUNTING HOLES



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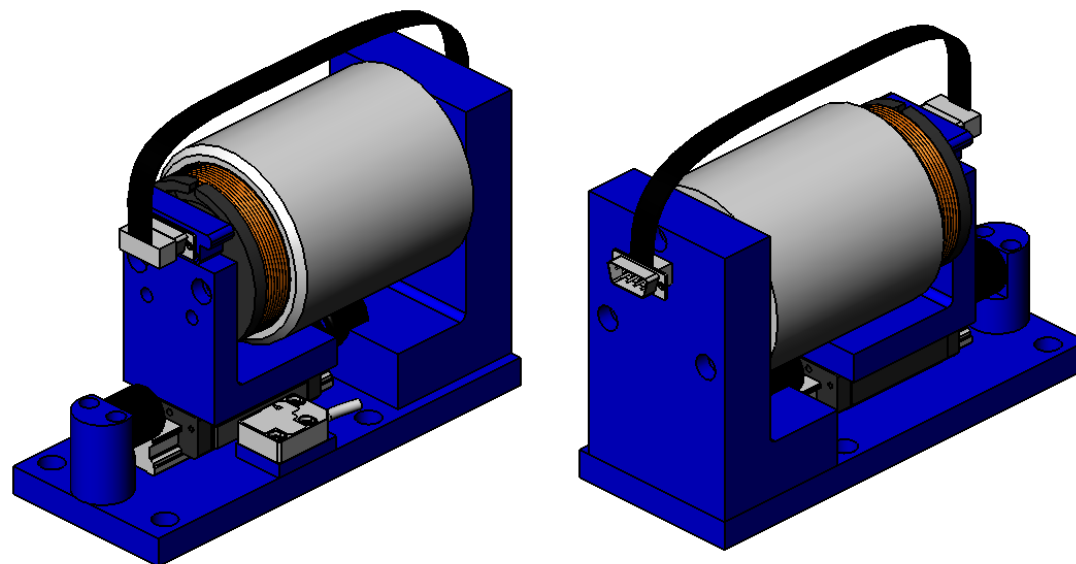
TITLE
 Voice Coil Positioning Stage
 Model #VCS10-350-LB-01-MC

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 OOG	DATE 9-29-08	APPROVED MPW	DATE 9-29-08

DWG # 31-0107	REV ---	SHEET 1 of 2
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MOVING COIL NON-COMM ACTUATOR SPECIFICATIONS		
Motor P/N	NCC08-34-350-2X	
Stroke	1.00"	25.4 mm
Encoder Resolution	1 micron	
Bearing Type	Linear Bearing	
Moving Mass	2.71 lbs	1.23 Kg
Total Mass	10.40 lbs	4.7 Kg grams
Resistance @ 20C	2.6 ohms	
Inductance @ 20C	2.9 mH	
Electrical Time Constant	1.12 msec	
Motor Constant	5.60 LBS/SQRT(Watt)	24.9 N/SQRT(Watt)
Force Constant	9.1 LBS/Amp	40.3 N/Amp
Back EMF	1.0 V/ips	40.3 V/m/sec
Continuous Force	35 LBS	155 N
Max Power @ 100% Duty	39 Watts	
Peak Force	105 LBS	466 N
Max Power @ 10% Duty	352 Watts	



TITLE		
Voice Coil Positioning Stage		
Model #VCS10-350-LB-01-MC		
DWG #	REV	SHEET
31-0107	---	2 of 2