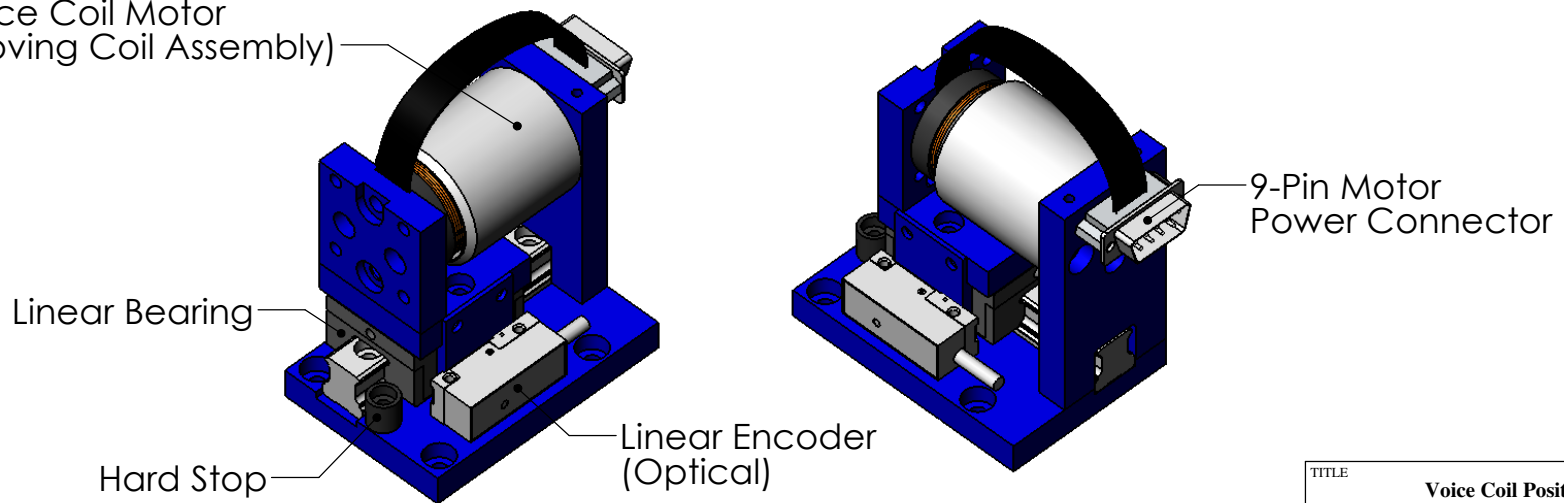




VOICE COIL POSITIONING STAGE SPECIFICATIONS		
Motor P/N	NCC03-15-050-2X	
Stroke	0.25"	6.4 mm
Encoder Resolution	50 nm	
Encoder Type	Optical	
Bearing Type	Linear Bearing	
Moving Part	Coil Assembly	
Moving Mass	0.50 lbs	227 grams
Total Mass	1.88 lbs	854 grams
Resistance @ 20C	3.8 ohms	
Inductance @ 20C	1.3 mH	
Electrical Time Constant	0.35 msec	
Motor Constant	1.4 LBS/SQRT(Watt)	2.98 N/SQRT(Watt)
Force Constant	1.2 lbs/Amp	6.1 N/Amp
Back EMF	0.30 V/ips	11.9 V/m/sec
Force @ 100% Duty	5.0 lbs	22.3 N
Power @ 100% Duty	13.0 watts	
Current @ 100% Duty	1.9 Amps	
Force @ 10% Duty	15.0 lbs	66.8 N
Power @ 10% Duty	118 watts	
Current @ 10% Duty	5.6 Amps	

Voice Coil Motor  
(Moving Coil Assembly)



TITLE		
Voice Coil Positioning Stage		
Model #: VCS03-050-LB-0005-C		
DWG #	REV	SHEET
31-0740	---	2 of 2