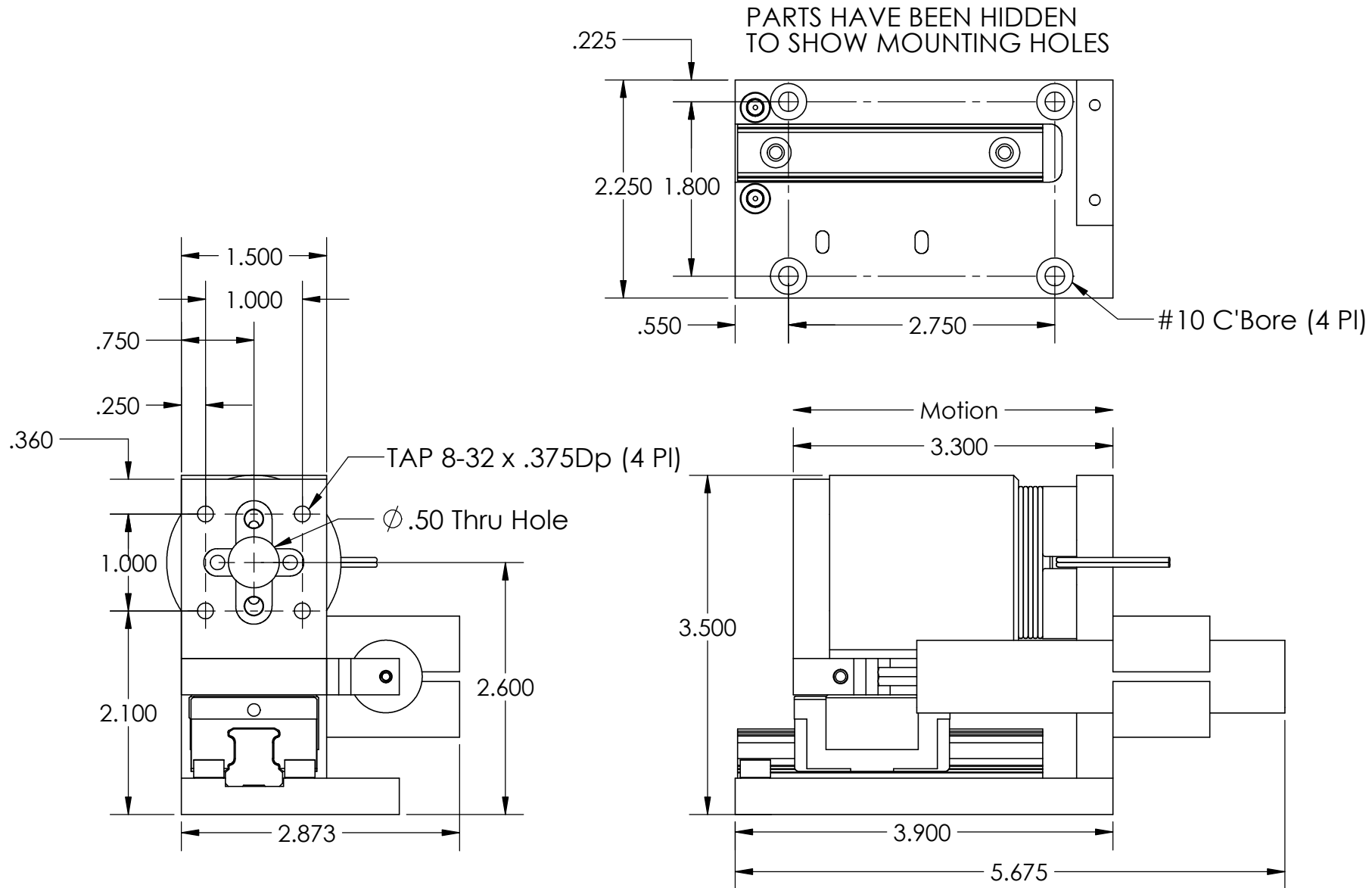


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REVISION TABLE					
REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE
---	---	Original Drawing	OOG	MPW	8-30-16

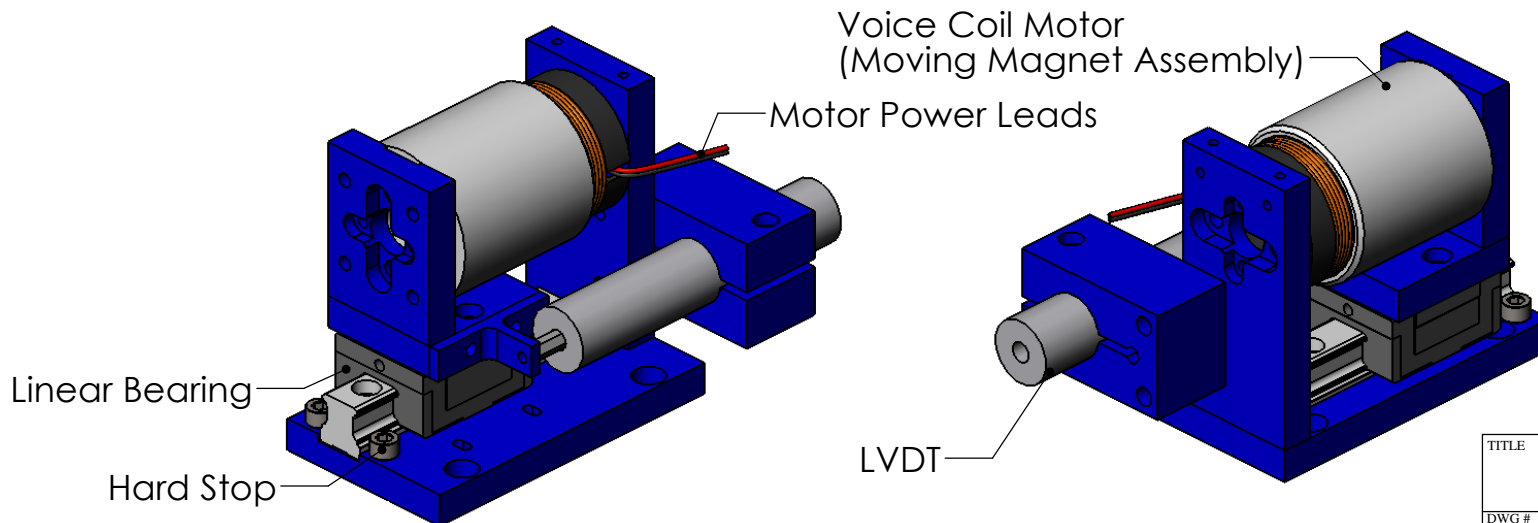


MOTOR SHOWN AT MID-STROKE

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 #: VCS05-060-LB-LV-H				
DRAWN	DATE	APPROVED	DATE	DWG #	REV	SHEET			
OOG	8-30-16	MPW	8-30-16	31-0758	---	1 of 2			

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VOICE COIL POSITIONING STAGE SPECIFICATIONS		
Motor P/N	NCC05-18-060-2x	
Stroke	0.50"	12.7 mm
Position Feedback Type	LVDT	
Bearing Type	Recirculating Ball Linear Bearing	
Moving Part	Magnet Assembly	
Moving Mass	1.40 lbs	633 grams
Total Mass	2.30 lbs	1005 grams
Resistance @ 20C	11.5 ohms	
Inductance @ 20C	4.5 mH	
Electrical Time Constant	0.39 msec	
Motor Constant	1.8 LBS/SQRT(Watt)	7.9 N/SQRT(Watt)
Force Constant	6.3 lbs/Amp	27.8 N/Amp
Back EMF	0.70 V/ips	27.8 V/m/sec
Force @ 100% Duty	6.0 lbs	26.7 N
Power @ 100% Duty	12.0 watts	
Current @ 100% Duty	1.0 Amps	
Force @ 10% Duty	18.0 lbs	80.1 N
Power @ 10% Duty	102 watts	
Current @ 10% Duty	3.0 Amps	



TITLE	Voice Coil Positioning Stage Model #: VCS05-060-LB-LV-H		
DWG #	31-0758	REV	---
		SHEET	2 of 2