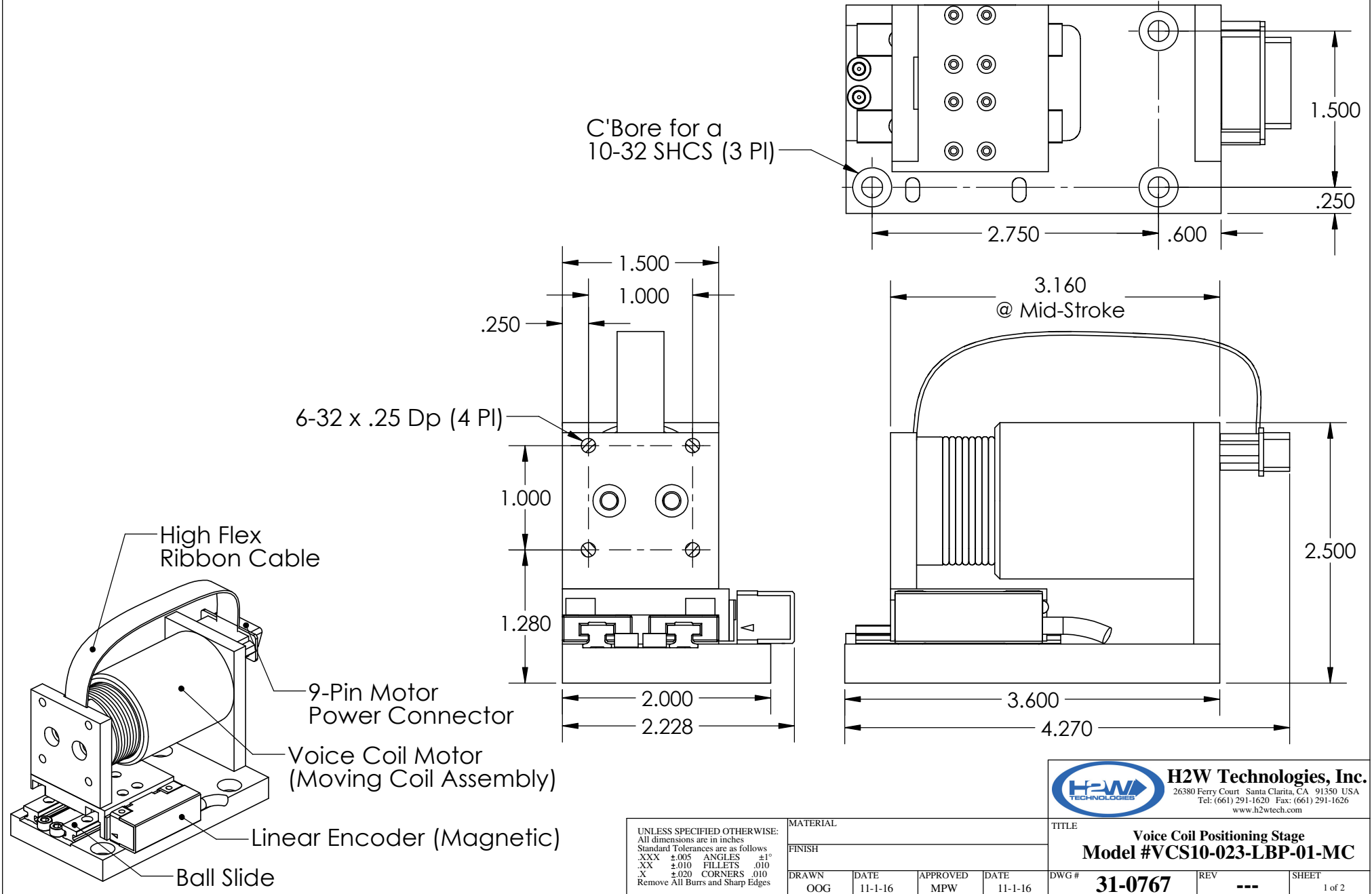


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REVISION TABLE					
REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE
---	---	Original Drawing	OOG	MPW	11-1-16

PARTS HAVE BEEN HIDDEN TO SHOW MOUNTING HOLES



C'Bore for a 10-32 SHCS (3 PI)

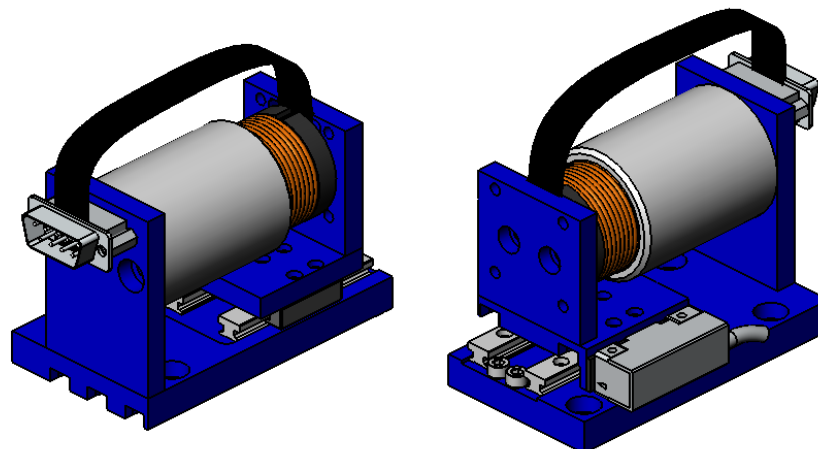
6-32 x .25 Dp (4 PI)

H2W Technologies, Inc.
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TITLE		Voice Coil Positioning Stage Model #VCS10-023-LBP-01-MC			
DWG #	REV	DATE	APPROVED	DATE	SHEET
31-0767	---	11-1-16	MPW	11-1-16	1 of 2

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

VOICE COIL POSITIONING STAGE SPECIFICATIONS		
Motor P/N	NCC10-15-023-1X	
Stroke	1.00"	25.4 mm
Encoder Resolution	1 micron	
Encoder Type	Magnetic	
Bearing Type	Linear Bearing - Plastic	
Moving Part	Coil Assembly	
Moving Mass	0.25 lbs	0.11 kg
Total Mass	1.4 lbs	0.24 kg
Resistance @ 20C	7.5 ohms	
Inductance @ 20C	3.3 mH	
Electrical Time Constant	0.44 msec	
Motor Constant	0.85 LBS/SQRT(Watt)	3.8 N/SQRT(Watt)
Force Constant	2.3 LBS/Amp	10.2 N/Amp
Back EMF	0.26 V/ips	10.2 V/m/sec
Force @ 100% Duty	2.3 lbs	10.2 N
Power @ 100% Duty	7 watts	
Current @ 100% Duty	1.0 Amps	
Force @ 10% Duty	6.9 lbs	30.7 N
Power @ 10% Duty	66 watts	
Current @ 10% Duty	3.0 Amps	



TITLE	Voice Coil Positioning Stage Model #VCS10-023-LBP-01-MC	
DWG #	31-0767	REV ---
		SHEET 2 of 2