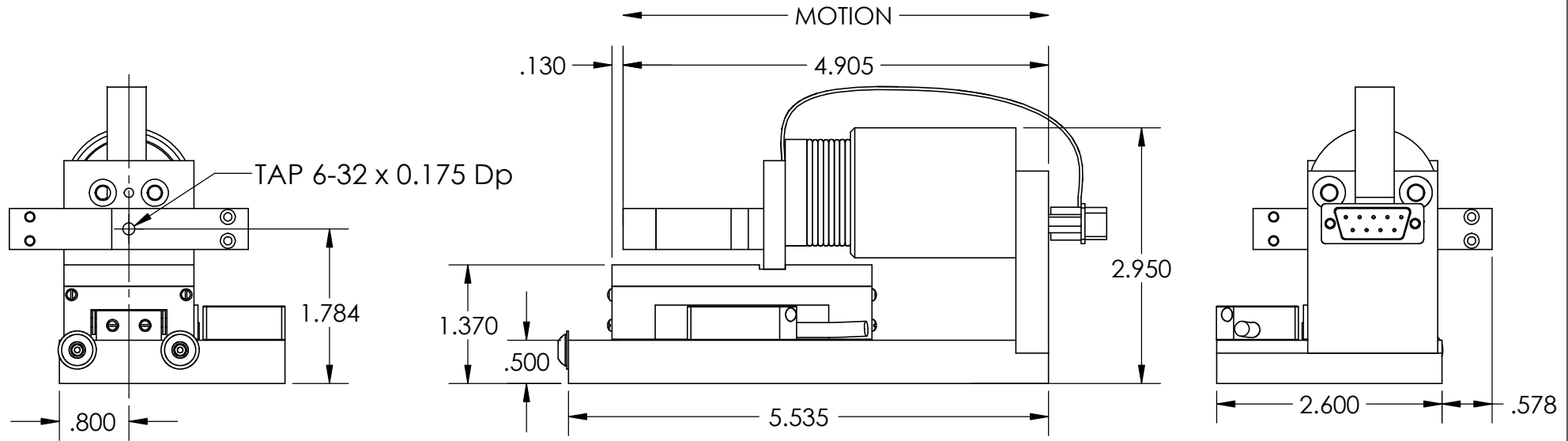
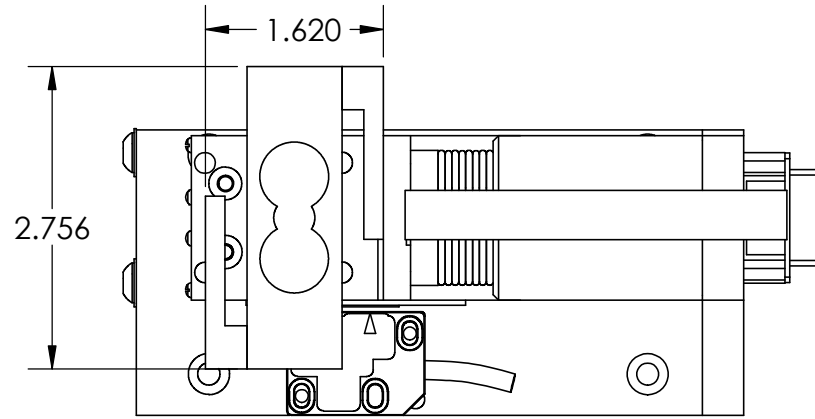


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REVISION TABLE					
REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE
---	---	Original Drawing	OOG	MPW	9-3-14



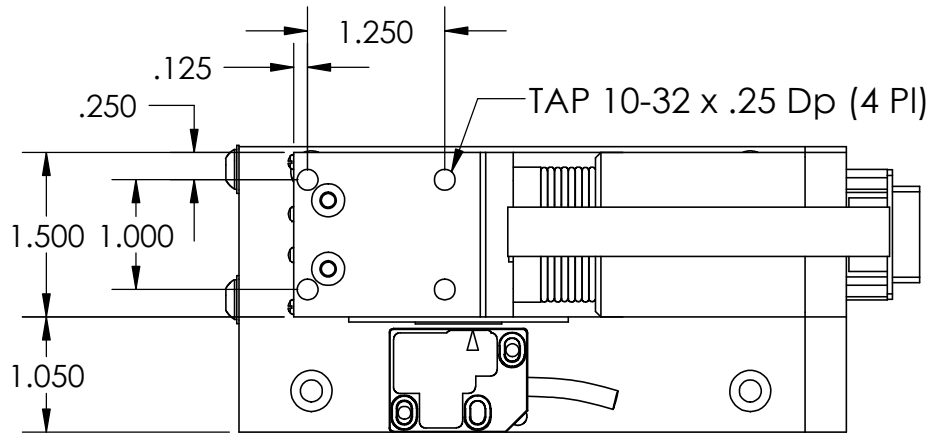
NOTES:
 - All views have motor shown at mid-stroke
 - Probe finger is for illustration purposes only

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				DRAWN		DATE	
OOG				9-3-14		APPROVED	
MPW				9-3-14		DATE	
DWG #				31-0703		REV	
OOG				---		SHEET	
1 of 3							

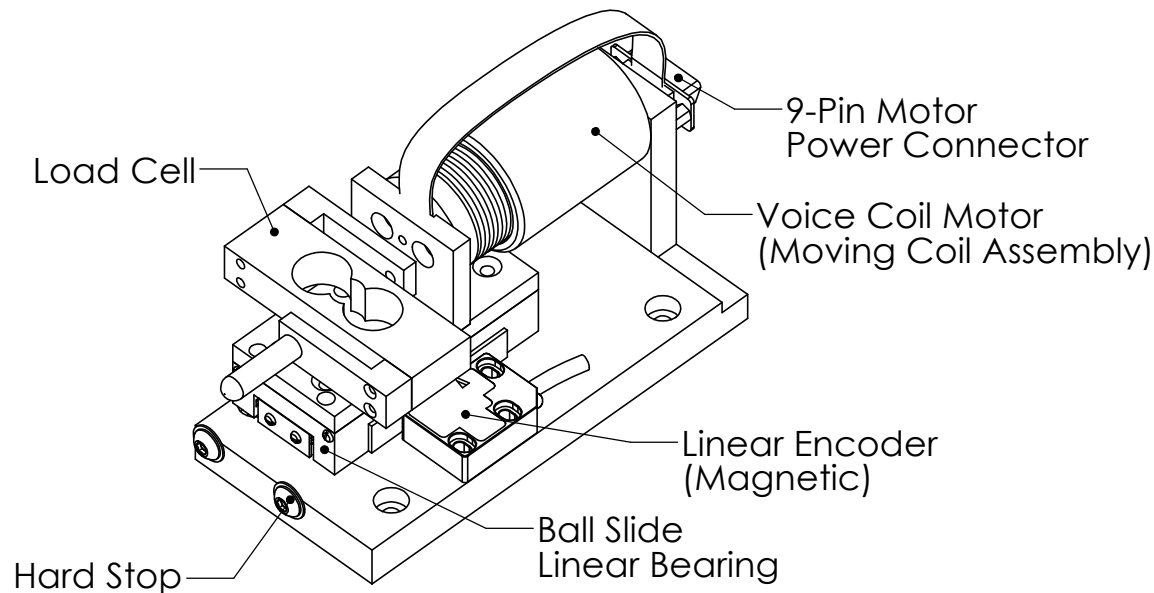
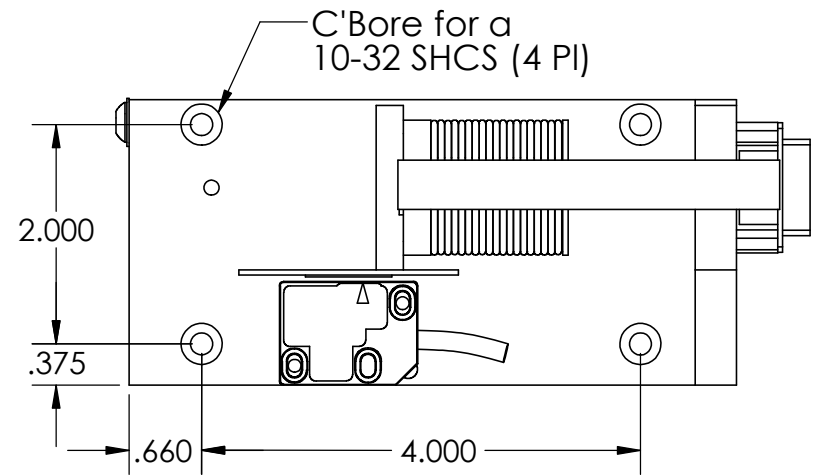
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 www.h2wtech.com

Voice Coil Positioning Stage
Model #VCS10-023-BS-01-MCF

PARTS HAVE BEEN HIDDEN TO
PAYLOAD MOUNTING HOLES
(WITH NO LOAD CELL MOUNTED)

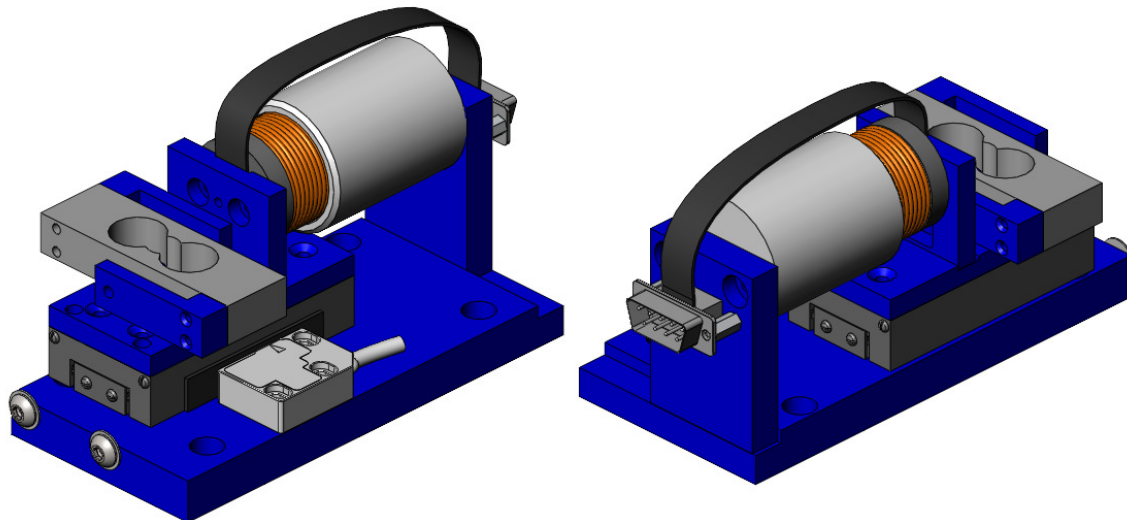


PARTS HAVE BEEN HIDDEN TO
SHOW STAGE MOUNTING HOLES



TITLE	Voice Coil Positioning Stage Model #VCS10-023-BS-01-MCF	
DWG #	31-0703	REV ---
		SHEET 2 of 3

MOVING COIL NON-COMM ACTUATOR SPECIFICATIONS		
Motor P/N	NCC10-15-023-1X	
Stroke	1.00"	25.4 mm
Encoder Resolution	1 micron	
Load Cell Resolution	3000 grams	
Bearing Type	Ball Slide	
Moving Mass	.20 lbs	92 grams
Total Mass	1.40 lbs	632 grams
Resistance @ 20C	7.5 ohms	
Inductance @ 20C	3.3 mH	
Electrical Time Constant	0.44 msec	
Motor Constant	0.85 LBS/SQRT(Watt)	3.78 N/SQRT(Watt)
Force Constant	2.3 LBS/Amp	10.2 N/Amp
Back EMF	0.26 V/ips	10.2 V/m/sec
Continuous Force	2.3 LBS	10.2 N
Max Power @ 100% Duty	7 Watts	
Peak Force	6.9 LBS	30.7 N
Max Power @ 10% Duty	66 Watts	



TITLE	Voice Coil Positioning Stage Model #VCS10-023-BS-01-MCF		
DWG #	31-0703	REV	---
		SHEET	3 of 3