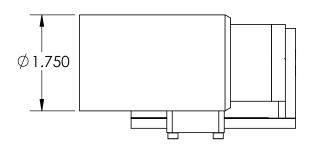
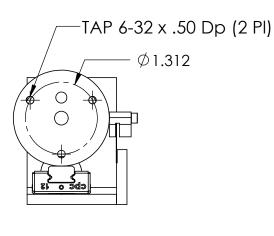
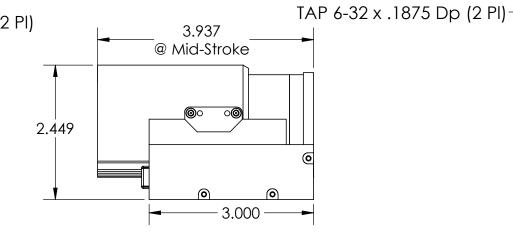
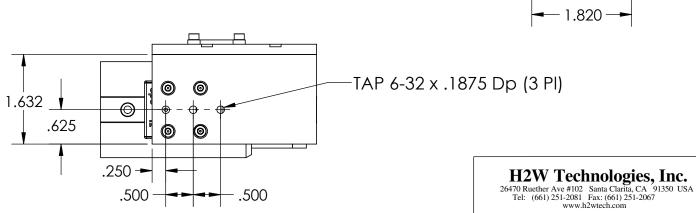


	REVISION TABLE							
REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE			
		Original Drawing	OOG	MPW	8-1-13			









UNLESS SPECIFIED OTHERWISE:
All dimensions are in inches
Standard Tolerances are as follows
XXX ± 0.00 ANGLES ±1°
XX ± 0.10 FILLETS 0.10
X ± 0.20 CORNERS 0.10
Remove All Burrs and Sharp Edges MATERIAL OOG

Voice Coil Positioning Stage Model #: VCS20-020-LB-12

DATE 8-1-13 31-0648 MPW 8-1-13

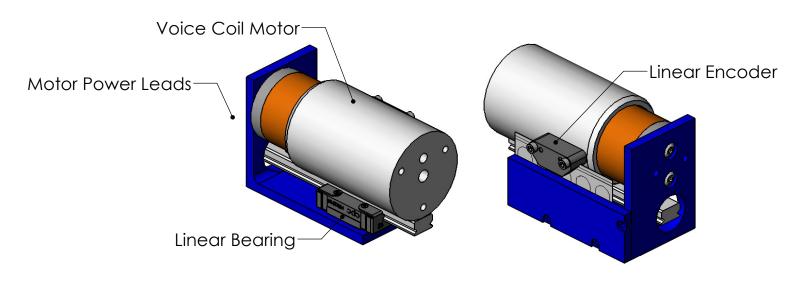
TITLE

1 of 2

.250

1.563

VOICE COIL POSITIONING STAGE SPECIFICATIONS							
Motor P/N	NCC20-18-020-1X						
Stroke	0.20in	5.1mm					
Encoder Resolution	12 micron						
Bearing Type	Linear Bearing						
Moving Mass	1.40 lbs	635 grams					
Total Mass	1.95 lbs	885 grams					
Resistance @ 20C	2.1 ohms						
Inductance @ 20C	160 μΗ						
Electrical Time Constant	76 μsec						
Motor Constant	0.26 LBS/SQRT(Watt)	1.17 N/SQRT(Watt)					
Force Constant	0.39 LBS/Amp	1.71 N/Amp					
Back EMF	0.04 V/ips	1.71 V/m/sec					
Continuous Force	0.26 LBS	1.16 N					
Max Power @ 100% Duty	1 Watt						
Peak Force	0.78 LBS	3.50 N					
Max Power @ 10% Duty	9 Watts						



Voice Coil Positioning Stage
Model #: VCS20-02-LB-12

31-0648

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