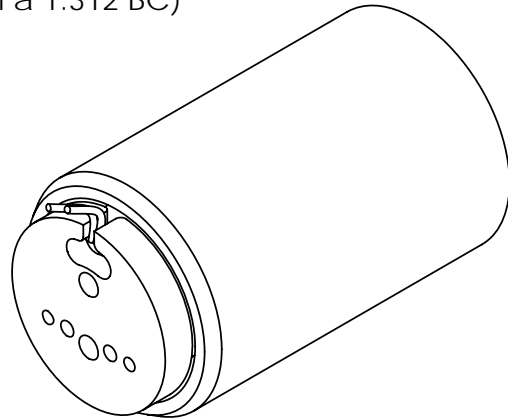
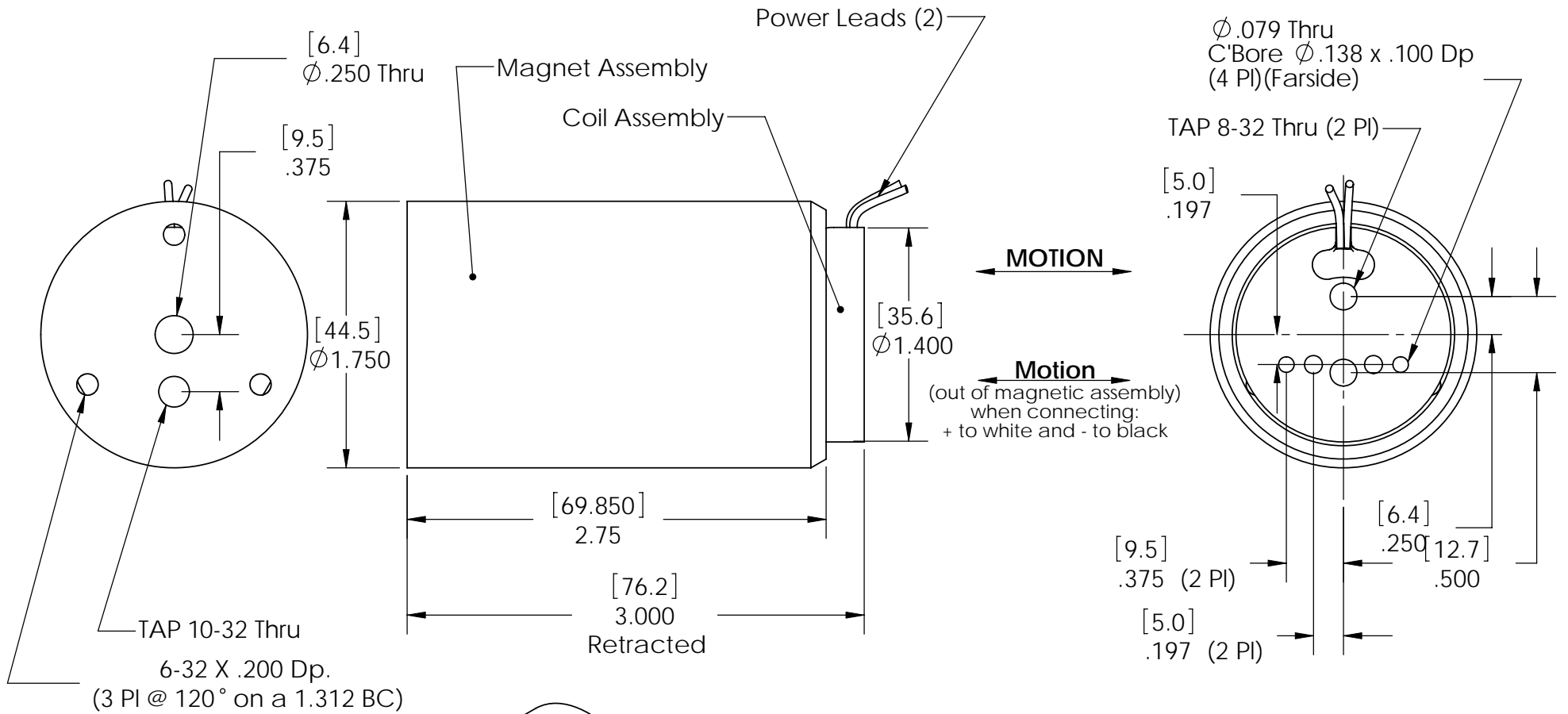


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UNLESS SPECIFIED OTHERWISE:
 All dimensions are in inches
 Standard Tolerances are as follows
 .XXX ±.005 ANGLES ±1°
 .XX ±.010 FILLETS AND
 .X ±.020 CORNERS .010
 Remove All Burrs and Sharp Edges

MATERIAL			
FINISH			
DRAWN	DATE	APPROVED	DATE
JRM	11-14-03	MPW	11-14-03

TITLE			
NCC20-18-020-1X			
DWG #	REV	ECN	
30-0260	C	1322	

H2W Technologies, Inc.

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MOVING COIL NON-COMM ACTUATOR SPECIFICATIONS		
Motor P/N	NCC20-18-020-1X	
Stroke	2.00"	50.8 mm
Radial Clearance	0.025" per side	0.64 mm per side
Bearing Type	None Provided	
Moving Mass	0.30 lbs	138 grams
Total Mass	1.55 lbs	705 grams
Resistance @ 20C	3.50 ohms	
Inductance @ 20C	3.70 mH	
Electrical Time Constant	1.05 msec	
Motor Constant	0.75 LBS/SQRT(Watt)	3.34 N/SQRT(Watt)
Force Constant	1.4 LBS/Amp	6.1 N/Amp
Back EMF	0.2 V/ips	6.1 V/m/sec
Continuous Force	2.0 LBS	8.9 N
Max Power @ 100% Duty	7 Watts	
Peak Force	6.0 LBS	26.7 N
Max Power @ 10% Duty	64 Watts	