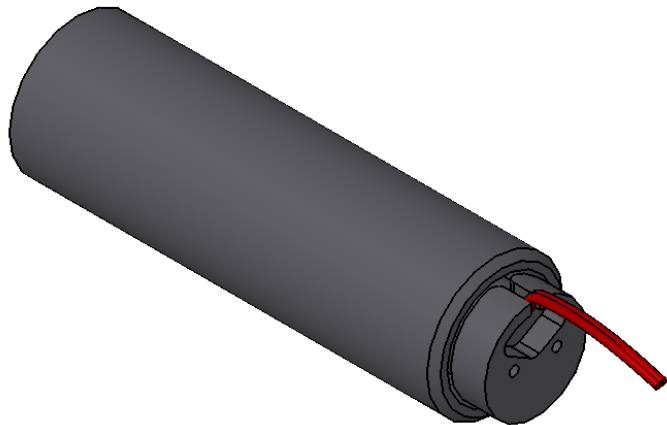
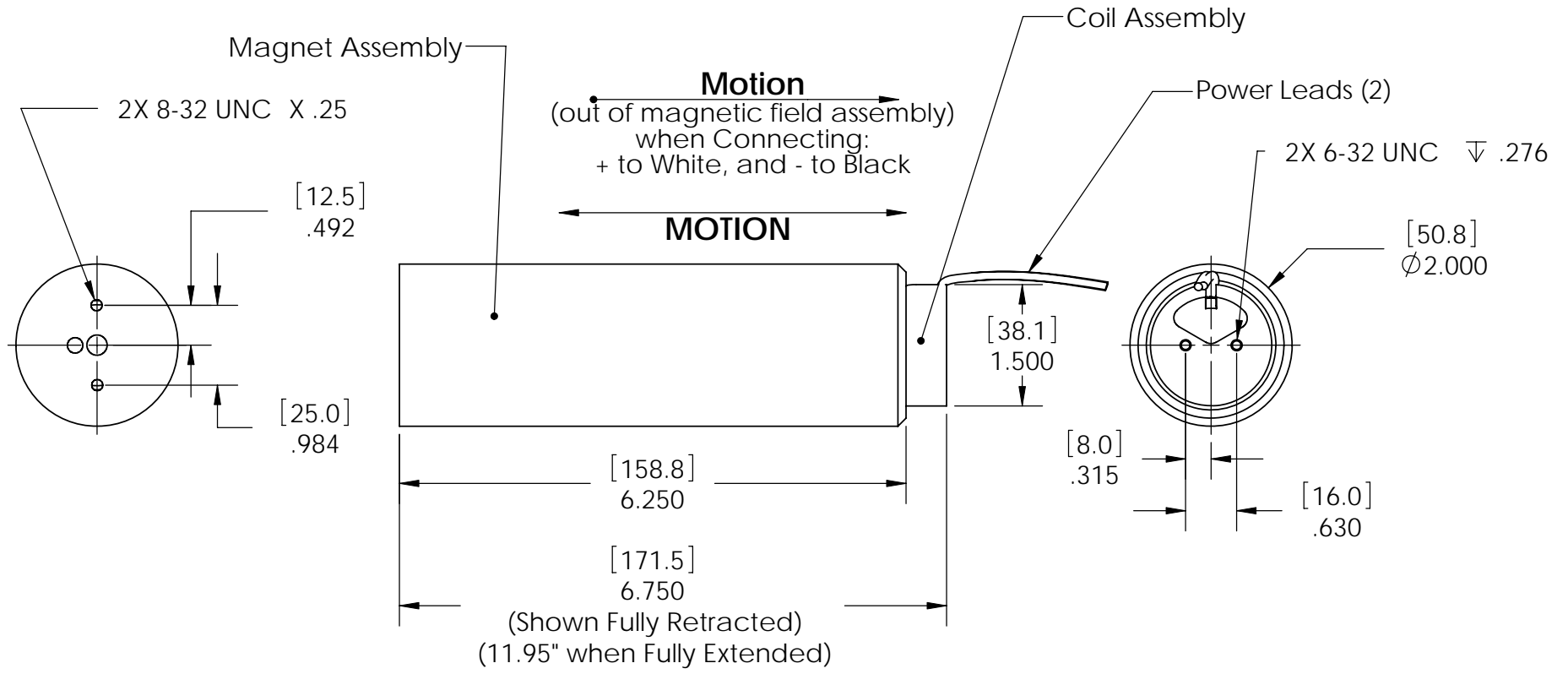


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RELEASED FOR MFG.				H2W Technologies, Inc. 28310-C Ave Crocker Valencia, CA 91355 USA Tel: (661)-702-9346 Fax: (661)-702-9348 www.h2wtech.com		
DATE		02-15-05				
BY		<i>Chris</i>				
MATERIAL				TITLE Moving Coil Non-Comm Actuator Model #NCC52-20-020-1X		
FINISH						
DRAWN	DATE	APPROVED	DATE	DWG #	REV	ECN
JRM	11-10-04	MPW	11-10-04	30-0375	C	

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

MOVING COIL NON-COMM ACTUATOR SPECIFICATIONS		
Motor P/N	NCC52-20-020-1X	
Stroke	5.20"	132.1 mm
Radial Clearance	0.050" per side	1.27 mm per side
Bearing Type	None Provided	
Moving Mass	1.01 lbs	460 grams
Total Mass	4.30 lbs	1950 grams
Resistance @ 20C	7.1 ohms	
Inductance @ 20C	17.3 mH	
Electrical Time Constant	2.44 msec	
Motor Constant	0.54 LBS/SQRT(Watt)	2.40 N/SQRT(Watt)
Force Constant	1.4 LBS/Amp	6.2 N/Amp
Back EMF	0.2 V/ips	6.2 V/m/sec
Continuous Force	2.0 LBS	8.9 N
Max Power @ 100% Duty	14 Watts	
Peak Force	6.0 LBS	26.7 N
Max Power @ 10% Duty	124 Watts	