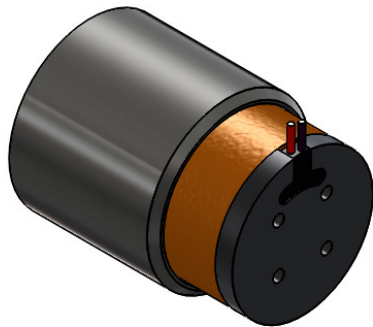
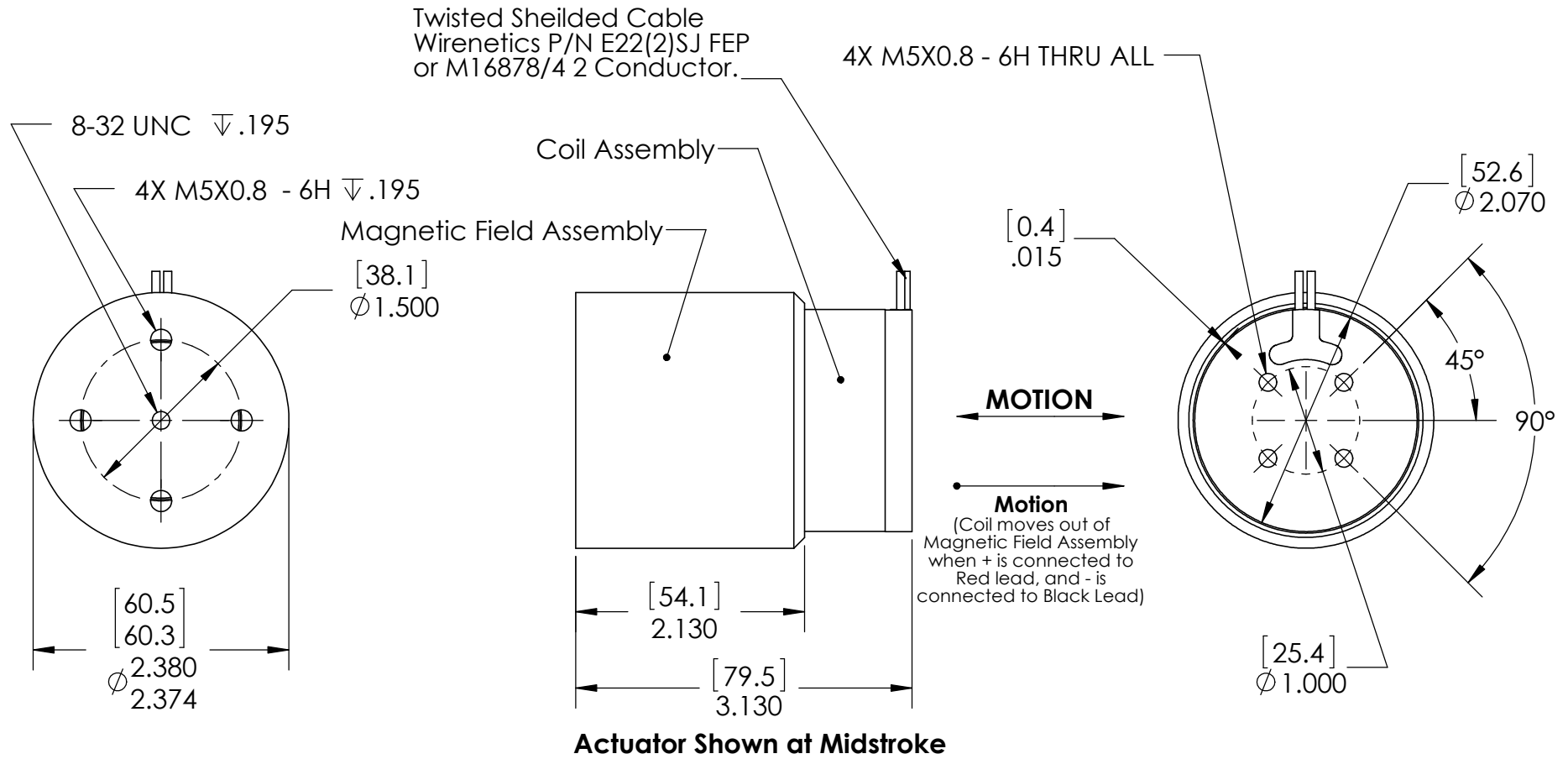


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UNLESS SPECIFIED OTHERWISE:
All dimensions are in inches
Standard Tolerances are as follows
.XXX \pm .005 ANGLES \pm 1°
.XX \pm .010 FILLETS .010
X \pm .020 CORNERS .010
Remove All Burrs and Sharp Edges

MATERIAL			
FINISH			
DRAWN	DATE	APPROVED	DATE
JRM	4-30-10	MPW	4-30-10

TITLE			
Moving Coil Non-Commutated DC Linear Actuator Model # NCC15-24-090-1X			
DWG #	REV	SHEET	
30-0984	---	1 of 2	

NON-COMM ACTUATOR SPECIFICATIONS		
Motor P/N	NCC15-24-090-1X	
Device Type	Moving Coil	
Stroke	1.50 in	38.1 mm
Radial Clearance	0.015 in	0.38 mm
Bearing Type	None Provided	
Moving Mass	0.75 lbs	340 grams
Total Mass	2.38 lbs	1080 grams
Resistance @ 20C	5.0 ohms	
Inductance @ 20C	2.8 mH	
Electrical Time Constant	0.56 msec	
Motor Constant	1.82 lbs/sqrt(watt)	8.1 N/sqrt(watt)
Force Constant	4.1 lbs/amp	18.1 N/amp
Back EMF	0.46 V/ips	18.1 V/m/sec
Force @ 100% Duty	9.0 lbs	40 N
Power @ 100% Duty	30 watts	
Current @ 100% Duty	2.2 amps	
Force @ 10% Duty	27 lbs	120 N
Power @ 10% Duty	220 watts	
Current @ 10% Duty	6.6 amps	

TITLE	Moving Coil Non-Commutated DC Linear Actuator Model # NCC15-24-090-1R		
DWG #	30-0984	REV	---
		SHEET	2 of 2