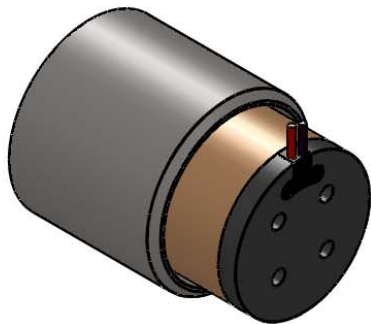
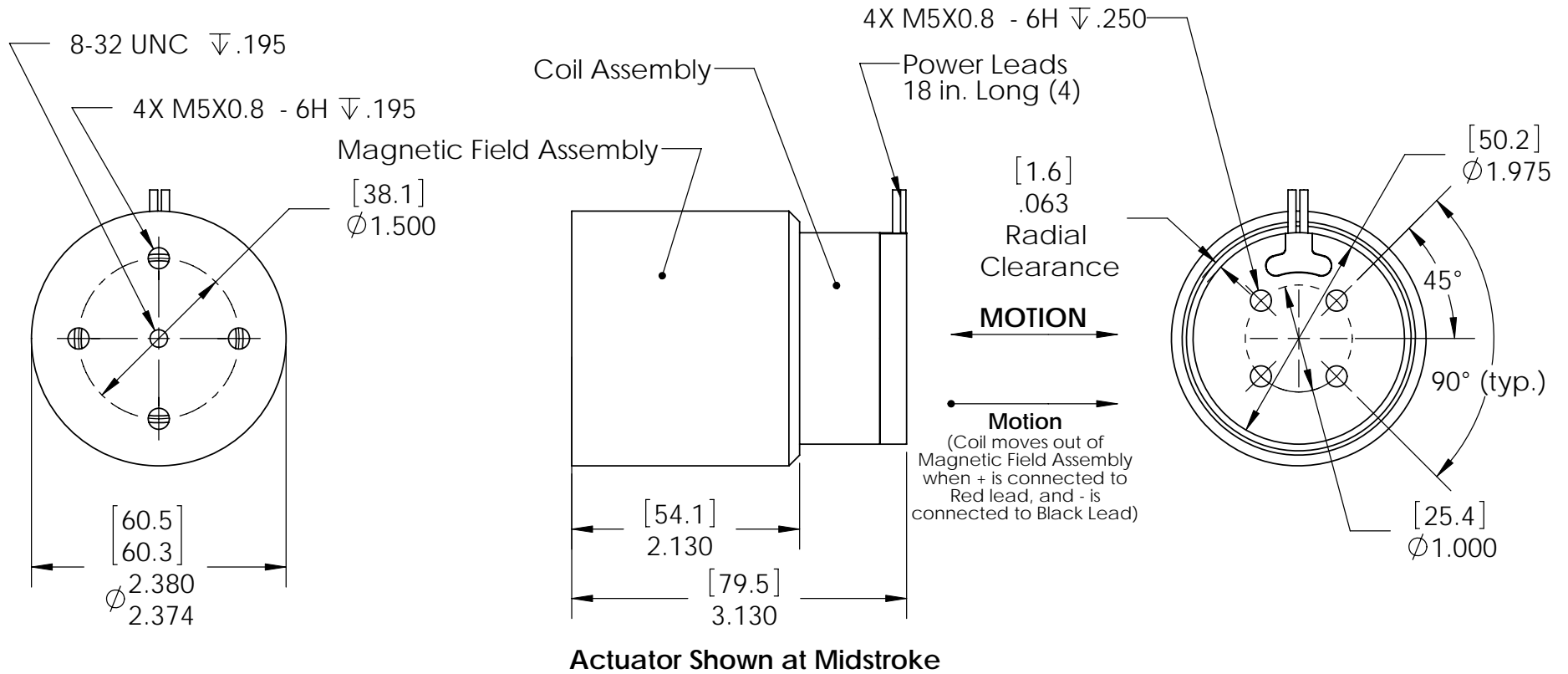


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UNLESS SPECIFIED OTHERWISE:
All dimensions are in inches
Standard Tolerances are as follows
.XXX \pm .005 ANGLES \pm 1°
XX \pm .010 FILLETS .010
X \pm .020 CORNERS .010
Remove All Burrs and Sharp Edges

MATERIAL

FINISH

DRAWN
JRM

DATE
4-30-10

APPROVED
MPW

DATE
4-30-10

TITLE

Moving Coil Non-Commutated DC Linear Actuator
Model # NCC15-24-050-1R

DWG #

30-0868

REV

A

SHEET

1 of 2

MOVING COIL NON-COMM ACTUATOR SPECIFICATIONS		
Motor P/N	NCC15-24-050-1R	
Stroke	1.50"	38.1 mm
Radial Clearance	0.063" per side	1.60 mm per side
Bearing Type	None Provided	
Moving Mass	0.48 lbs	213 grams
Total Mass	2.13 lbs	946 grams
Resistance @ 20C	1.9 ohms / 7.8 ohms	
Inductance @ 20C	1.4 mH / 5.8 mH	
Electrical Time Constant	0.74 msec	
Motor Constant	1.48 LBS/SQRT(Watt)	6.59 N/SQRT(Watt)
Force Constant	2.04 LBS/Amp or 4.13 LBS/Amp	9.08 N/Amp or 18.38 N/Amp
Back EMF	0.23 V/ips or .46 V/ips	9.08 V/m/sec or 18.38 V/m/sec
Continuous Force	8.4 LBS	37.4 N
Max Power @ 100% Duty	32 Watts	
Peak Force	25.2 LBS	112 N
Max Power @ 10% Duty	291 Watts	