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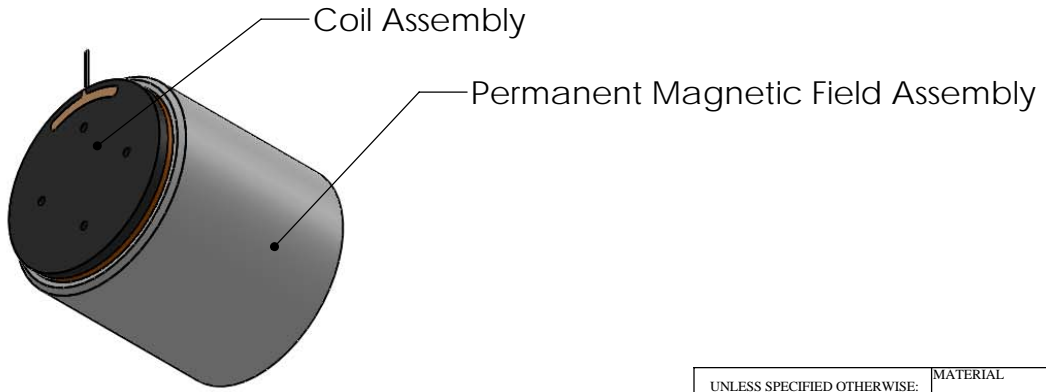
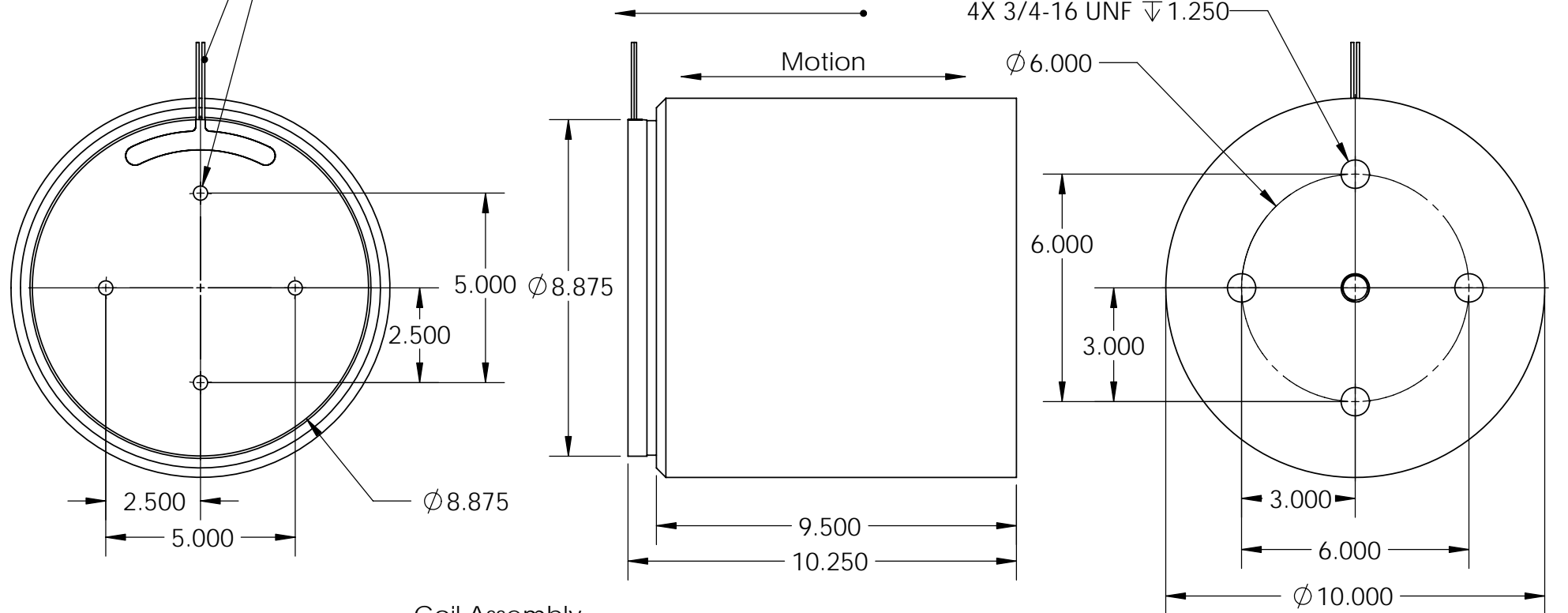
REVISION HISTORY

REV	ECN #	DESCRIPTION	REV BY	APPROVED	DATE
---	0000	Initial Release	JRM	MPW	9-7-12

Motor Leads (2 Pl.)

4X ϕ .31 THRU ALL
3/8-16 UNC THRU ALL

The Coil Assembly will move in this direction when the + is connected to Red and - is connected to Black



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		DATE		APPROVED	
		9-7-12	9-7-12	MPW	JRM
FINISH		DATE		APPROVED	
DRAWN	DATE	APPROVED	DATE	DWG #	REV
JRM	9-7-12	MPW	9-7-12	30-1044	---

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Model # NCC05-100-5850-3X

30-1044

1 of 2

MOVING COIL NON-COMM ACTUATOR SPECIFICATIONS		
Motor P/N	NCC05-100-5850-3X	
Stroke	0.50"	12.7 mm
Radial Clearance	0.063" per side	1.60 mm per side
Bearing Type	None Provided	
Moving Mass	14.2 lbs	6.5 kgs
Total Mass	121 lbs	55 kgs
Resistance @ 20C	35 ohms	
Inductance @ 20C	45 mH	
Electrical Time Constant	1.3 msec	
Motor Constant	28.6 LBS/SQRT(Watt)	127 N/SQRT(Watt)
Force Constant	169 LBS/Amp	751 N/Amp
Back EMF	18.4 V/ips	751 V/m/sec
Continuous Force	585 LBS	2600 N
Max Power @ 100% Duty	420 Watts	
Peak Force	1755 LBS	7800 N
Max Power @ 10% Duty	3765 Watts	