



DB 15 pin #	Breakout board terminal #	Position	Resistance (Ω)	Inductance (mH)
1,9	1,2	Front (X1)	2.4	0.92
2, 10	3,4	Back (X2)	2.4	0.92
3, 11	5,6	Right (Y1)	2.4	0.92
4, 12	7,8	Left (Y2)	2.4	0.92
5, 13	9,10	Bottom (Z1)	3.7	1.75
6, 14	11,12	Top (Z2)	3.7	1.75
7,8,15	13,14,15	Not used		

Magnetic field (Helmholtz configuration):

22.6 G/A (X-Y axes), 15.6 G/A (Z axis)

Magnetic field gradient (anti-Helmholtz configuration):

15.4 G/cm-A (X-Y axes), 4 G/cm-A (Z axis)

Maximum current:

3A per coil

Compatible with:

UAC-1000 - RuBECi ultracold matter cell

UAC-2000 - Double MOT ultracold matter cell

MOT-1000 - miniMOT

FOR INFORMATION ONLY
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION					
DRAWN	E. Salim	4/18/2017	DESCRIPTION		
APPROVED	T. Baringer	4/18/2017	3-axis coil assembly		PART NUMBER
SCALE: 2:3		DIMENSIONS IN: INCHES [MM]		MAG-3000	
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