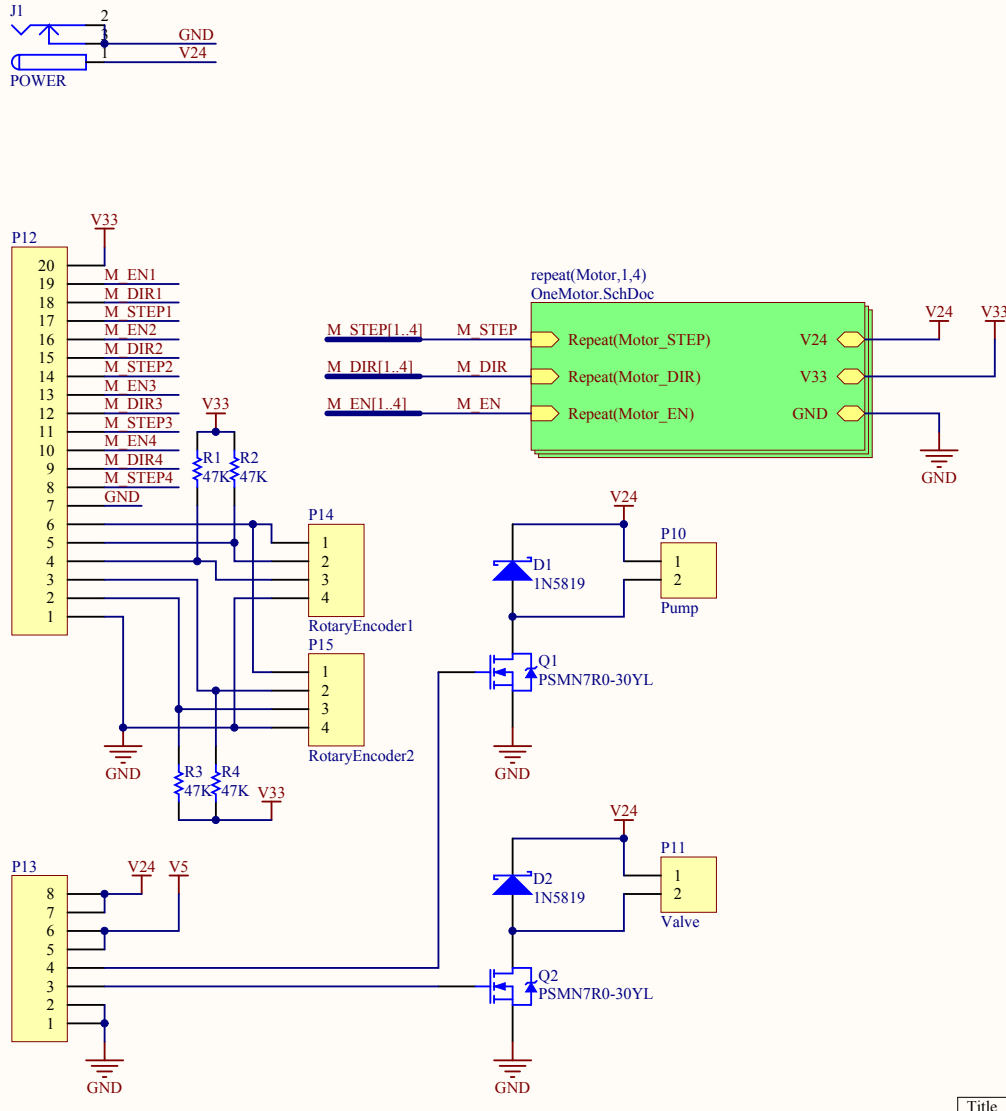

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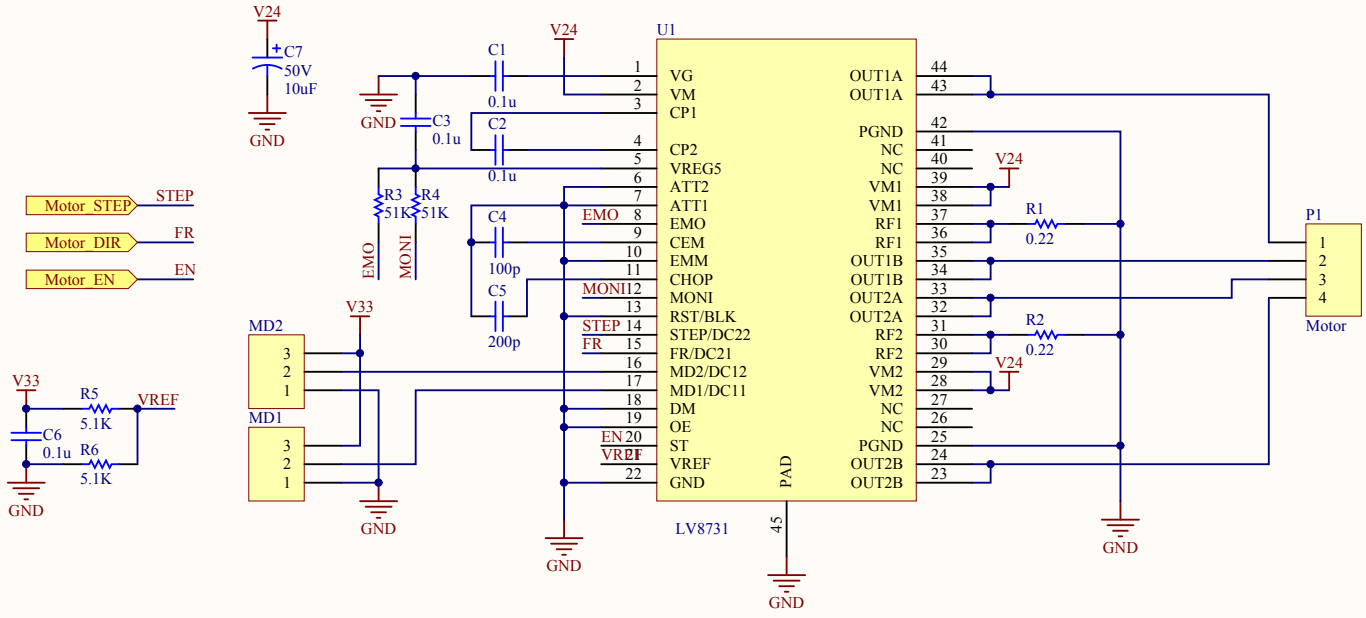
Size A4	Number	Revision
Date: 2014/7/6		Sheet of
File: E:\share\..\DriverBoard.SchDoc		Drawn By:



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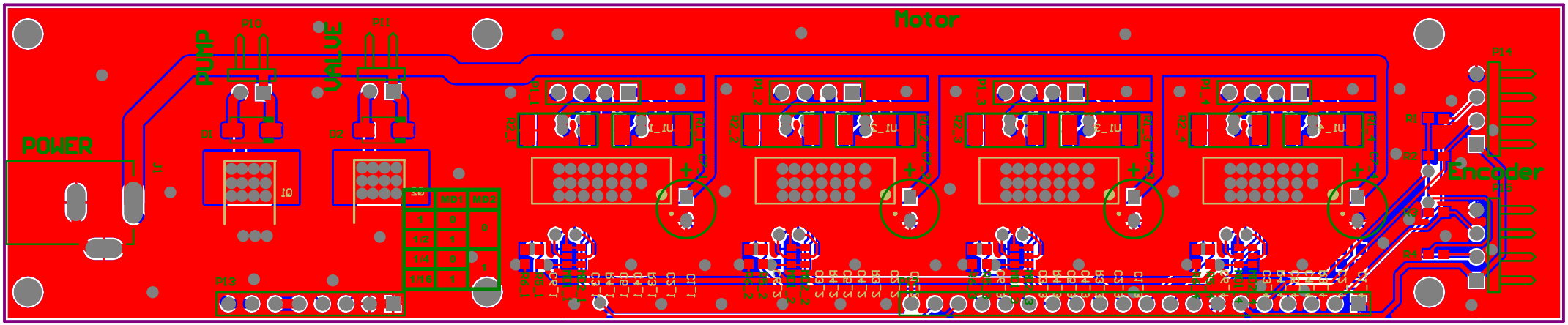
Motor
POWER
Pump
Valve
Encoder
P10
P11
P12
P13
P14
D1
D2
J1
J2
J3
J4
J5
J6
J7
J8
J9
J10
R1
R2
R3
R4
R5
R6
C1
C2
C3
C4
C5
C6
C7
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C9
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C36
C37
C38
C39
C40

Comment	Description	Designator	Footprint	LibRef	Quantity
Cap Semi	Capacitor (Semiconductor SIM Model)	C1_1, C1_2, C1_3, C1_4, C2_1, C2_2, C2_3, C2_4, C3_1, C3_2, C3_3, C3_4, C4_1, C4_2, C4_3, C4_4, C5_1, C5_2, C5_3, C5_4, C6_1, C6_2, C6_3, C6_4	C-1608[0603]	Cap Semi	24
50V	Polarized Capacitor (Radial)	C7_1, C7_2, C7_3, C7_4	RB.1/.25	Cap Pol1	4
1N5819	Schottky Diode	D1, D2	DO-214AC	D Schottky	2
POWER		J1	DC_POWER	POWER2.5	1
Header 3	Header, 3-Pin	MD1_1, MD1_2, MD1_3, MD1_4, MD2_1, MD2_2, MD2_3, MD2_4	shortPad	Header 3	8
Motor	Header, 4-Pin	P1_1, P1_2, P1_3, P1_4	HDR1X4	Header 4	4
Pump	Header, 2-Pin, Right Angle	P10	HDR1X2H	Header 2H	1
Valve	Header, 2-Pin, Right Angle	P11	HDR1X2H	Header 2H	1
Header 20	Header, 20-Pin	P12	HDR1X20	Header 20	1
Header 8	Header, 8-Pin	P13	HDR1X8	Header 8	1
RotaryEncoder1	Header, 4-Pin, Right Angle	P14	HDR1X4H	Header 4H	1
RotaryEncoder2	Header, 4-Pin, Right Angle	P15	HDR1X4H	Header 4H	1
PSMN7R0-30YL	N-Channel Power MOSFET	Q1, Q2	SOT669	NMOS-2	2
Res Semi	Semiconductor Resistor	R1, R2, R3, R3_1, R3_2, R3_3, R3_4, R4, R4_1, R4_2, R4_3, R4_4, R5_1, R5_2, R5_3, R5_4, R6_1, R6_2, R6_3, R6_4	R-1608[0603]	Res Semi	20
Res Semi	Semiconductor Resistor	R1_1, R1_2, R1_3, R1_4, R2_1, R2_2, R2_3, R2_4	R-6332[2512]	Res Semi	8
LV8731		U1_1, U1_2, U1_3, U	LV8731_V3	LV8731	4