

A

B

C

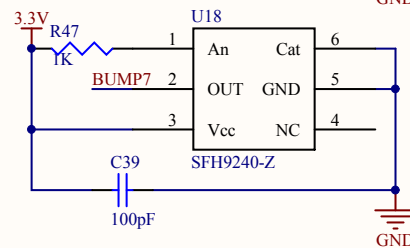
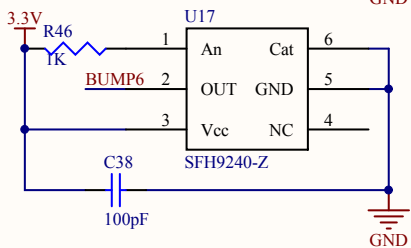
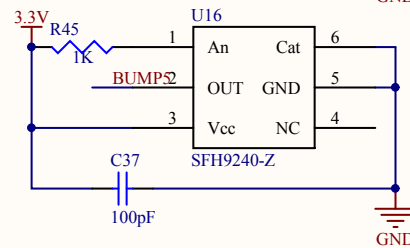
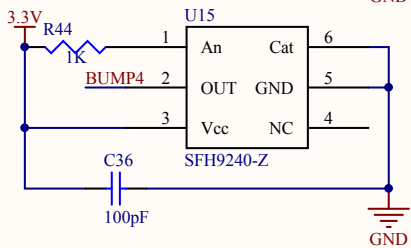
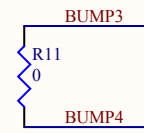
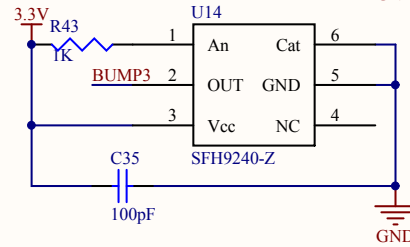
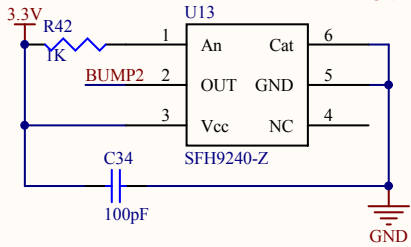
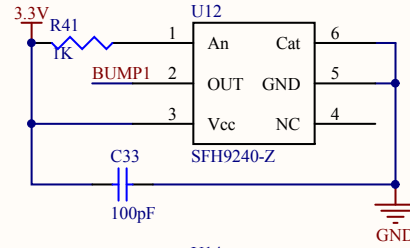
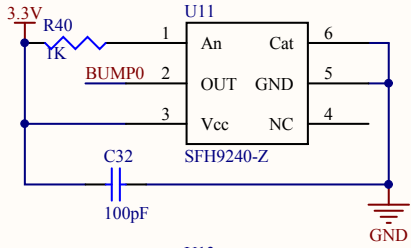
D

A

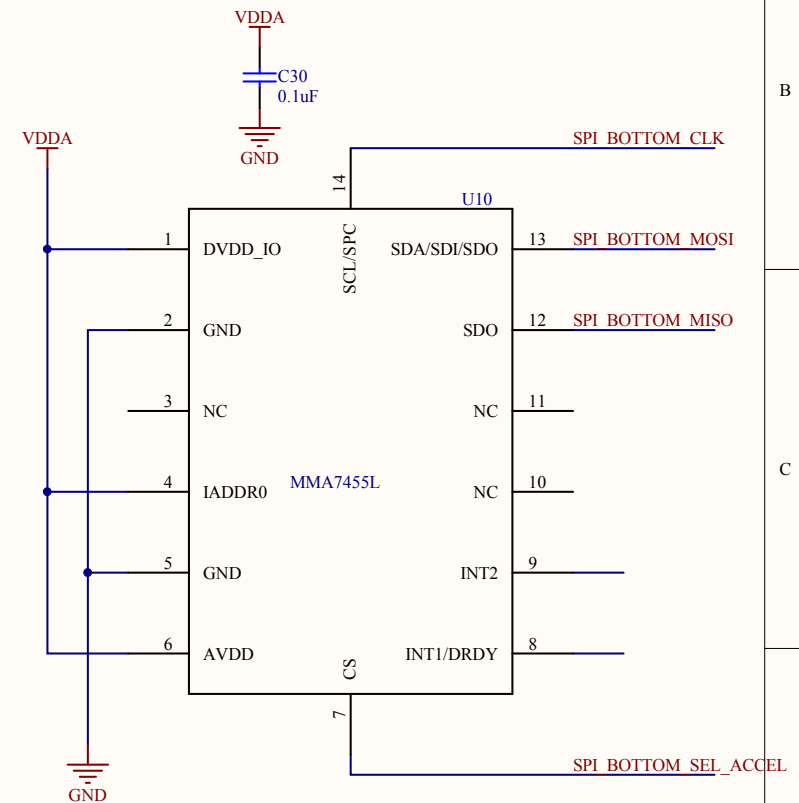
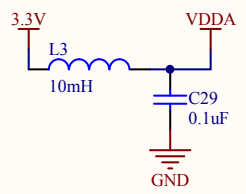
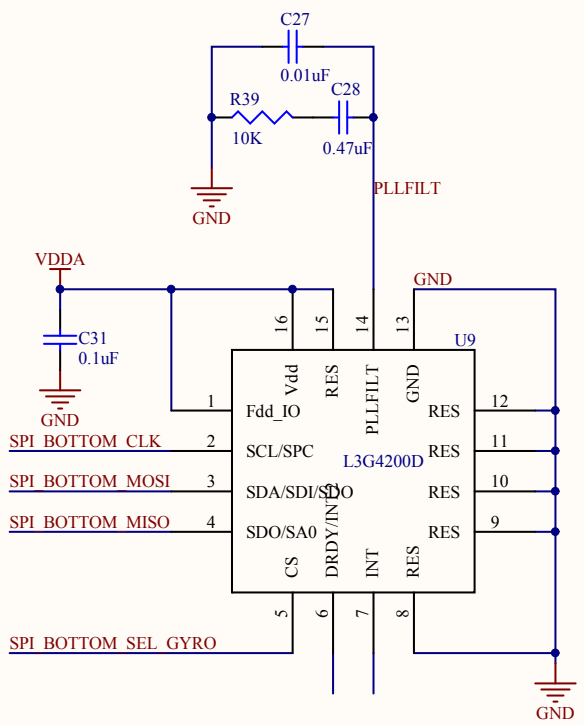
B

C

D



Title			
Size	Number		Revision
A			
Date:	6/10/2011		Sheet of
File:	C:\Users\...\BumpSensors.SchDoc		Drawn By:



Title			
Size	Number		Revision
A			
Date:	6/10/2011		Sheet of
File:	C:\Users\...\GyroAccelHeaders.SchDoc		Drawn By:

A

B

C

D

1

2

3

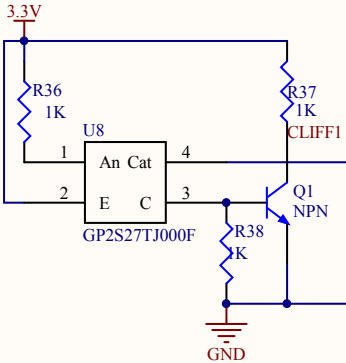
4

A

B

C

D



Title			
Size	Number		Revision
A			
Date:	6/10/2011		Sheet of
File:	C:\Users\...\LineCliffSensors.SchDoc		Drawn By:

1

2

3

4

A

B

C

D

A

B

C

D

1

2

3

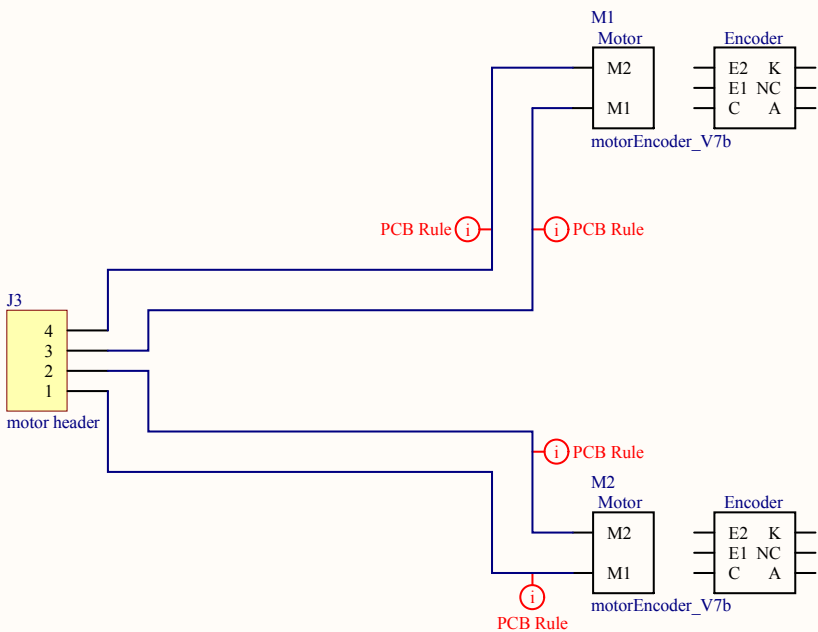
4

1

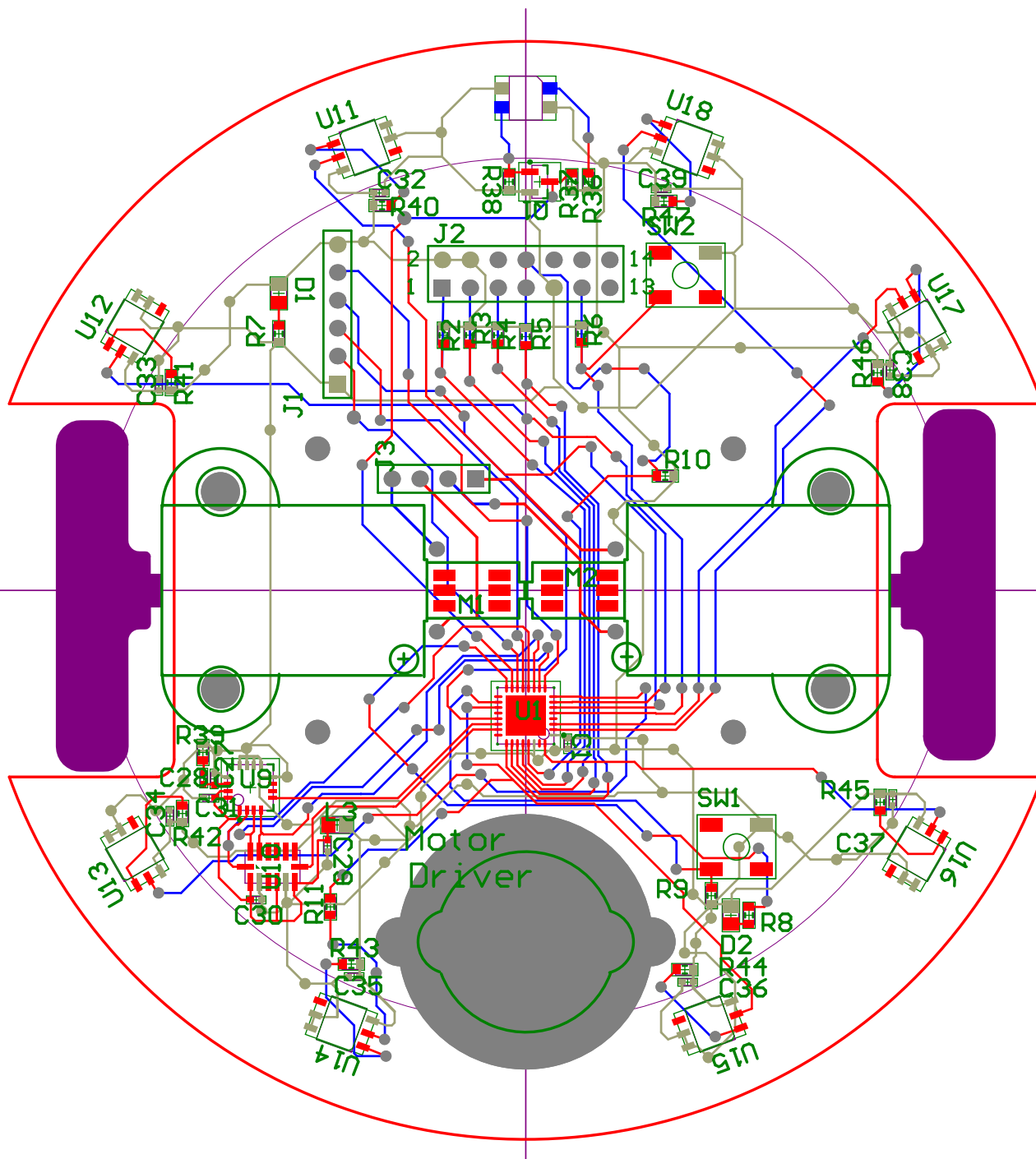
2

3

4



Title			
Size	Number		Revision
A			
Date:	6/10/2011		Sheet of
File:	C:\Users\...\motorEncoder.SchDoc		Drawn By:



Bill of Materials

<Parameter Title not found>

Source Data From: roneMotorBoard-v8-msp.PrjPcb
 Project: roneMotorBoard-v8-msp.PrjPcb
 Variant: None

Creation Date: 6/10/2011 10:08:30 AM
 Print Date: 40704 40704.42262

Footprint	Comment	LibRef	Designator	Description	Quantity
CAPC1005L	Cap Semi	Cap Semi	C1, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39	Capacitor (Semiconductor SIM Model)	14
3/4"CASTER 2	non connect	Caster 3/4in	Caster1	This is just a space saver to get the caster onto the pcb	1
INDC2012L	power	LED	D1		1
INDC2012L	blinky	LED	D2		1
HDR1X6	SPI	Header 6	J1	Header, 6-Pin	1
HDR2X7	JTAG	Header 7X2	J2	Header, 7-Pin, Dual row	1
HDR1X4	motor header	Header 4	J3	Header, 4-Pin	1
INDC2012L	Inductor	Inductor	L3	Inductor	1
motorEncoder_V7b	motorEncoder_V7b	motorEncoder_V7b	M1, M2		2
SOT-23	NPN	NPN	Q1		1
RESC1608L	Res3	Res3	R2, R3, R4, R5, R11, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47	Resistor	17
RESC1608L	Res Semi	Res Semi	R6, R9, R10	Semiconductor Resistor	3
RESC1608L	330	Res3	R7, R8	Resistor	2
SwitchTail-TL330	push button	Switch-TL330	SW1		1
SwitchTail-TL330	reset button	Switch-TL330	SW2		1
MSP430_32 PIN	MSP430	MSP430_32pin	U1		1
GP2S27J000 0F	GP2S27TJ000F	GP2S27TJ000F	U8		1
L3G2004D	L3G4200D	L3G4200D	U9	3axis gyroscope, SPI	1
MMA7455L	MMA7455L	MMA7455L	U10	3axis accelerometer	1
SFH9240-Z	SFH9240-Z	SFH9240-Z	U11, U12, U13, U14, U15, U16, U17, U18		8

60

Approved Notes

--	--	--