

A

B

C

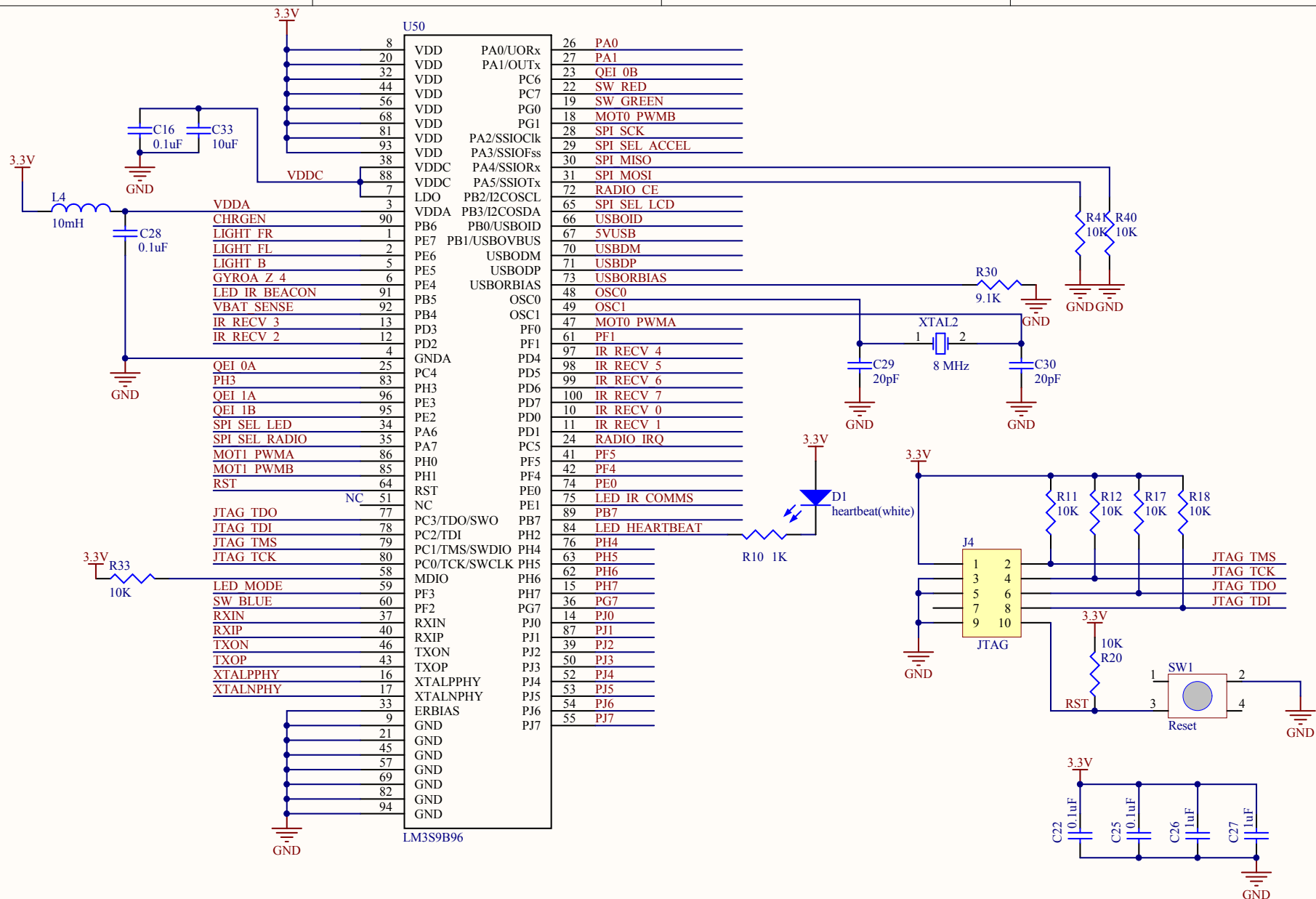
D

A

B

C

D



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Date:	5/19/2011	Sheet of
File:	C:\Users\...\CPU.SchDoc	Drawn By:

A

B

C

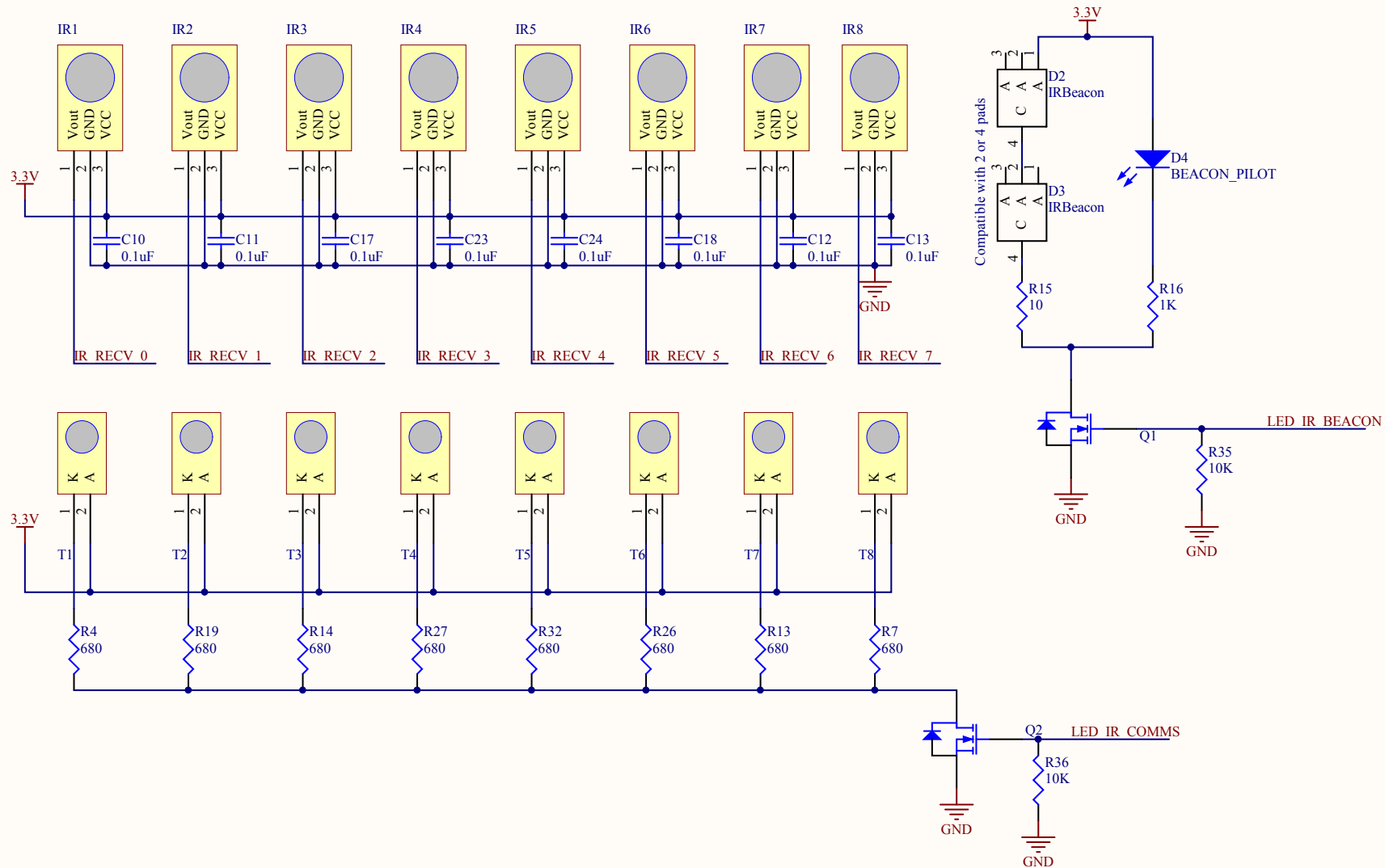
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1

2

3

4



A

B

C

D

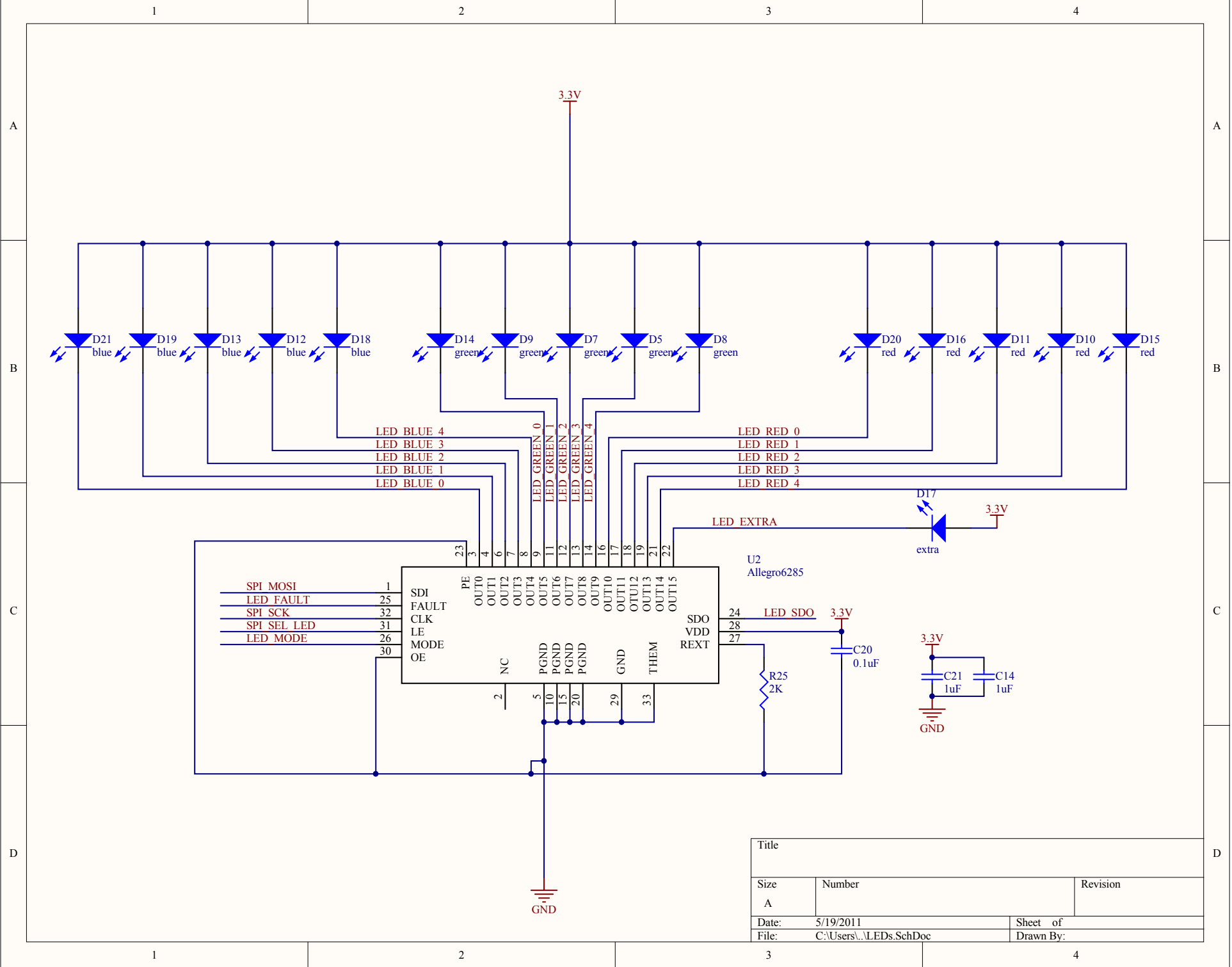
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4

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1

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A

A

B

B

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C

D

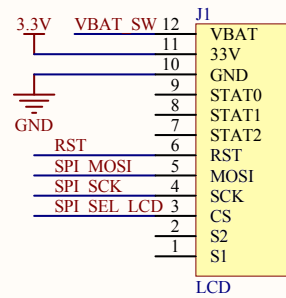
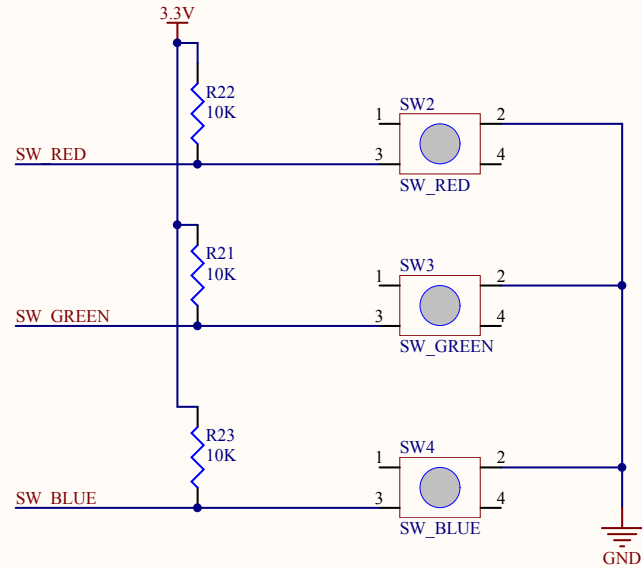
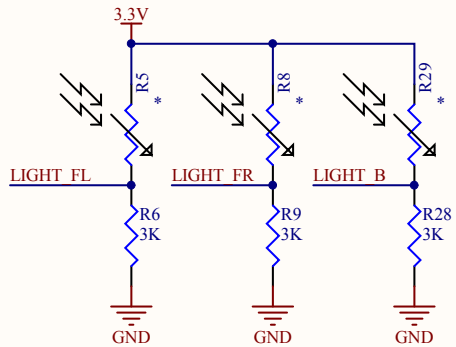
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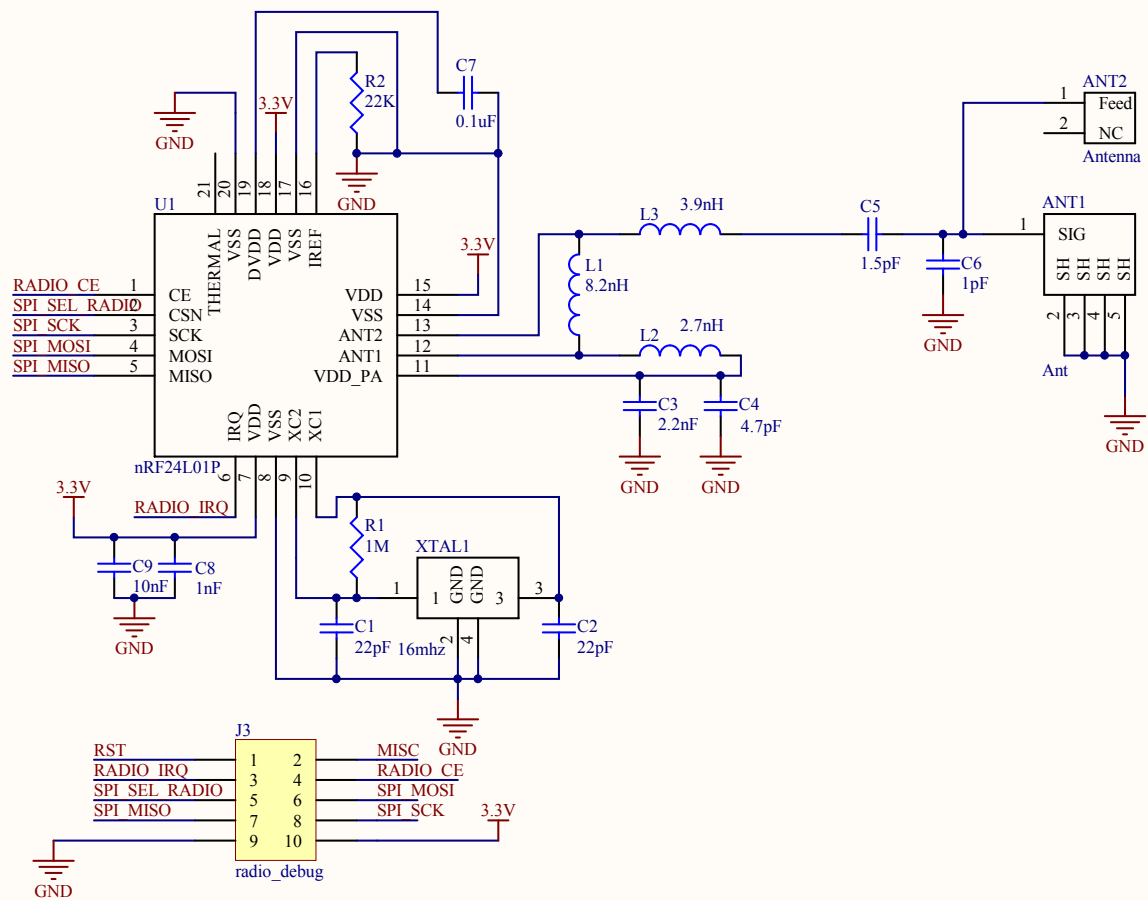
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4



Title			
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File:	C:\Users\...\LightSensors Buttons LCD.SchDrawn By:		



Title		
Size A	Number	Revision
Date:	5/19/2011	Sheet of
File:	C:\Users\...\Radio.SchDoc	Drawn By:

A

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C

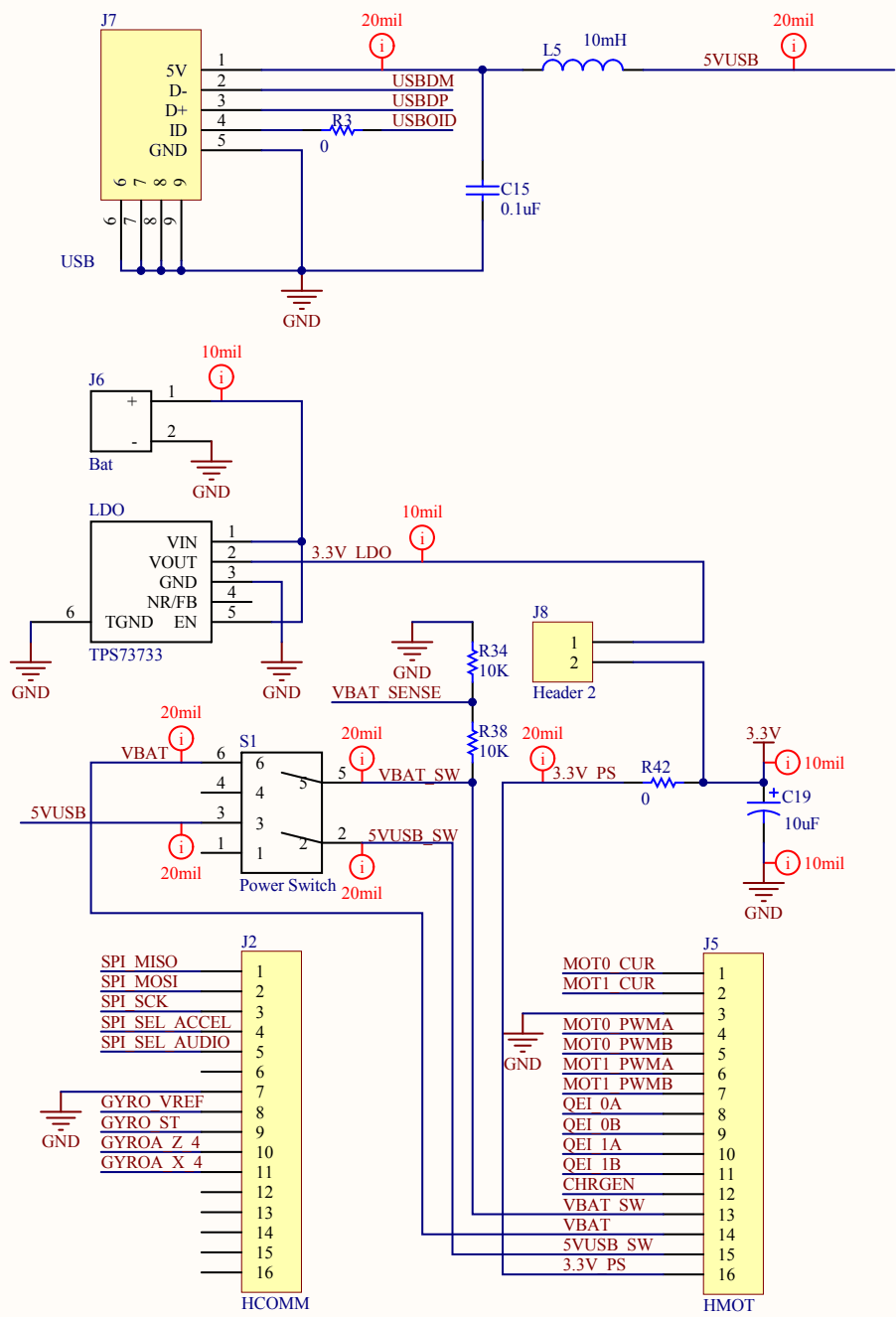
D

A

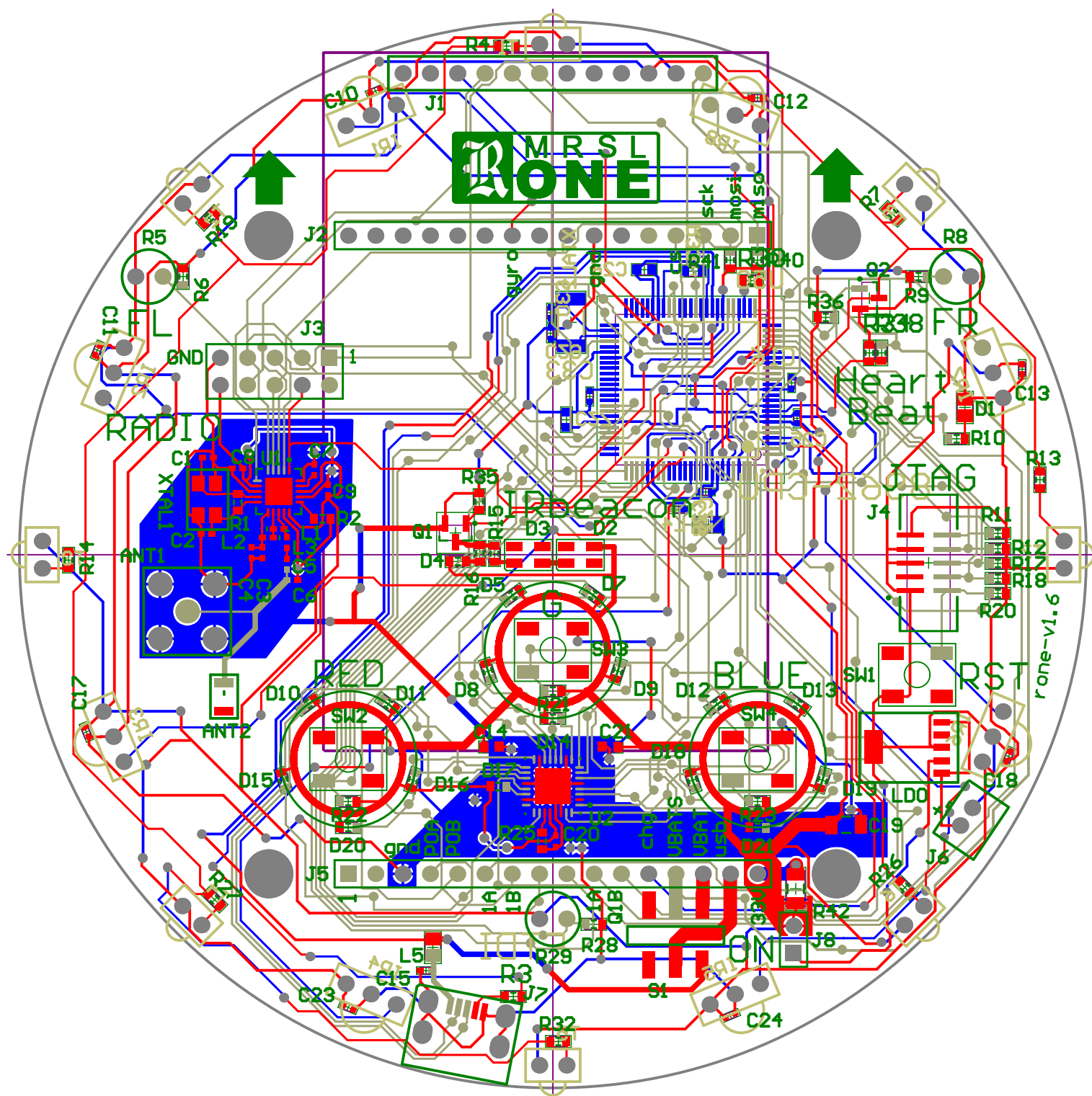
B

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D



Title			
Size	Number		Revision
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Date:	5/19/2011		Sheet of
File:	C:\Users\...\USB Headers.SchDoc		Drawn By:



Bill of Materials

<Parameter Title not found>

Source Data From: v7-9BProto-cpu.PrjPCB
 Project: v7-9BProto-cpu.PrjPCB
 Variant: None

Creation Date: 5/19/2011 3:12:01 PM
 Print Date: 40682 40682.63342

Footprint	Comment	LibRef	Designator	Description	Quantity
AntennaSMA	Ant	AntennaConn	ANT1		1
antenna	Antenna	Antenna	ANT2		1
CAPC1005L	Cap Semi	Cap Semi	C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C16, C17, C18, C20, C22, C23, C24, C25, C28, C29, C30, C33	Capacitor (Semiconductor SIM Model)	25
CAPC1608L	Cap Semi	Cap Semi	C14, C21, C26, C27	Capacitor (Semiconductor SIM Model)	4
CAPC1005L	Cap	Cap	C15	Capacitor	1
CAPC3216L	Cap Pol3	Cap Pol3	C19	Polarized Capacitor (Surface Mount)	1
INDC2012L	heartbeat(white)	LED2	D1	Typical RED, GREEN, YELLOW, AMBER GaAs LED	1
IRBeacon	IRBeacon	IRBeacon	D2, D3		2
SurfaceMount(603)	BEACON_PILOT	LED	D4		1
SurfaceMount(603)	green	LED	D5, D7, D8, D9, D14		5
SurfaceMount(603)	red	LED	D10, D11, D15, D16, D20		5
SurfaceMount(603)	blue	LED	D12, D13, D18, D19, D21		5
SurfaceMount(603)	extra	LED	D17		1
GP1UX31QS	GP1UX31QS	GP1UX31QS	IR1, IR2, IR3, IR4, IR5, IR6, IR7, IR8		8
LCD-6100breakout	LCD	LCD-NokiaBreakout	J1		1
HDR1X16	HCOMM	Header 16	J2	Header, 16-Pin	1
HDR2X5	radio_debug	Header 5X2	J3	Header, 5-Pin, Dual row	1
JTAG-10	JTAG	Header 5X2H	J4	Header, 5-Pin, Dual row, Right Angle	1
HDR1X16	HMOT	Header 16	J5	Header, 16-Pin	1
BatteryConnJST	Bat	BatteryConnJST	J6		1
USB Minib (thru-hole)	USB	USB-ConnTH	J7		1
HDR1X2	Header 2	Header 2	J8	Header, 2-Pin	1
INDC1005AL	Inductor	Inductor	L1, L2, L3	Inductor	3
INDC2012L	Inductor	Inductor	L4, L5	Inductor	2
SOT-223-5pin	TPS73733	LDO33-TL-TPS73733	LDO		1
SOT-23	Mosfet	Mosfet	Q1, Q2		2
RESC1608L	Res3	Res3	R1, R2, R4, R6, R7, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R25, R26, R27, R28, R30, R32, R33, R35, R36, R40, R41	Resistor	31
RESC1608L		Res1	R3, R34, R38	Resistor	3
photoresistor	photoresistor	photoresistor	R5, R8, R29		3
RESC3216L		Res1	R42	Resistor	1
DPDTSwitch	Power Switch	DPDTSwitch	S1		1
SwitchTail-TL330	Reset	Switch-TL330	SW1		1
SwitchTail-TL330	SW_RED	Switch-TL330	SW2		1
SwitchTail-TL330	SW_GREEN	Switch-TL330	SW3		1
SwitchTail-TL330	SW_BLUE	Switch-TL330	SW4		1
LN54	LN54	LN54	T1, T2, T3, T4, T5, T6, T7, T8		8
QFN-20	nRF24L01P	radio-nRF24L01P	U1		1
QFN-32	Allegro6285	Allegro6285	U2		1
LQFP-100	LM3S9B96	LM3S9B96	U50		1
RadioCrystal	RADIO	RadioCrystal	XTAL1		1
RESC5025L	CRYSTAL	XTAL	XTAL2	Crystal Oscillator	1

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Approved	Notes