

A

B

C

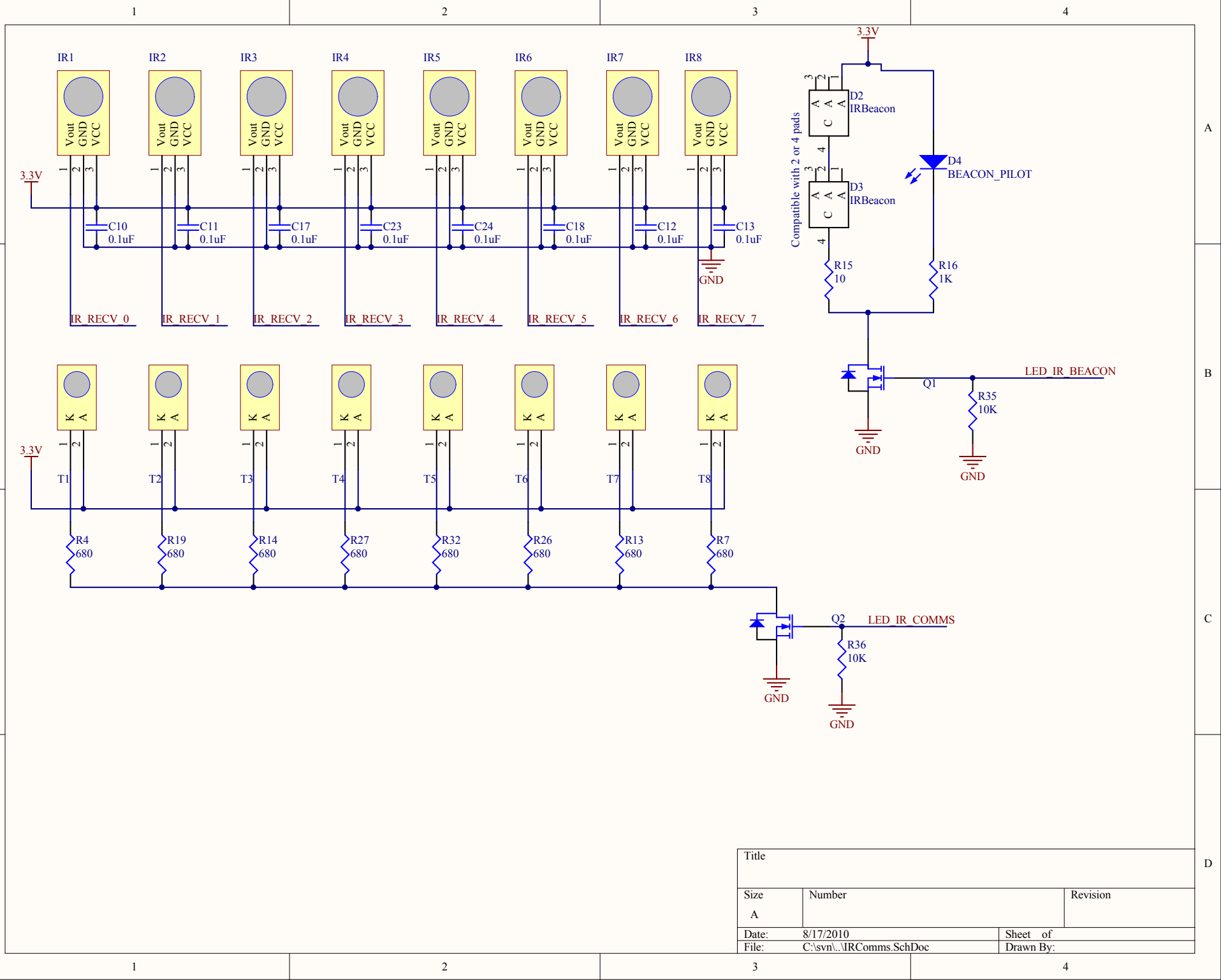
D

A

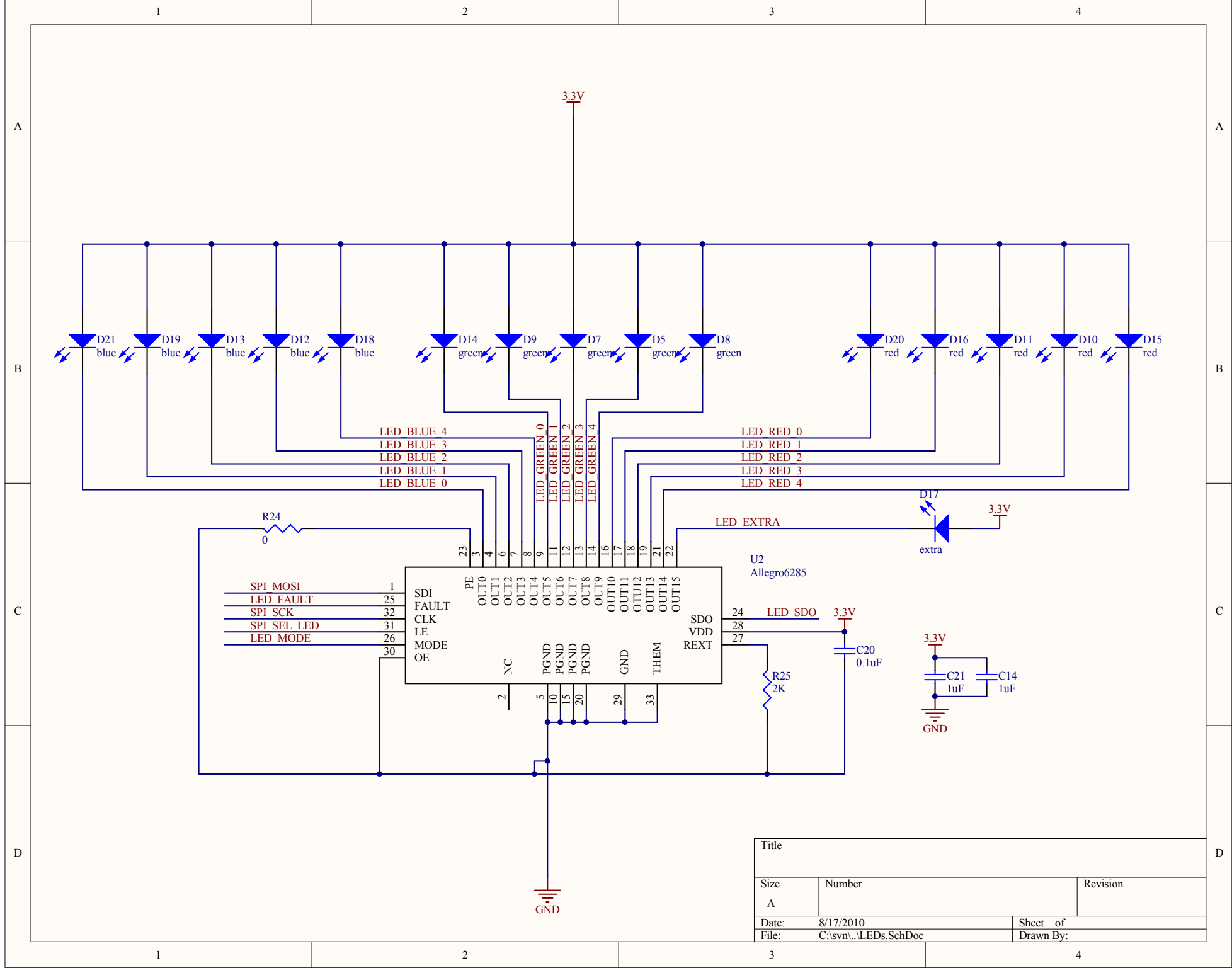
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C

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Title		
Size	Number	Revision
A		
Date:	8/17/2010	Sheet of
File:	C:\svn\..MRCComms.SchDoc	Drawn By:



A

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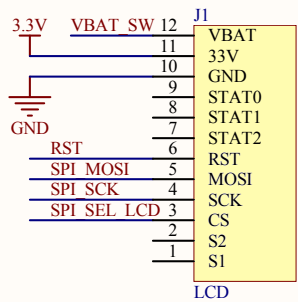
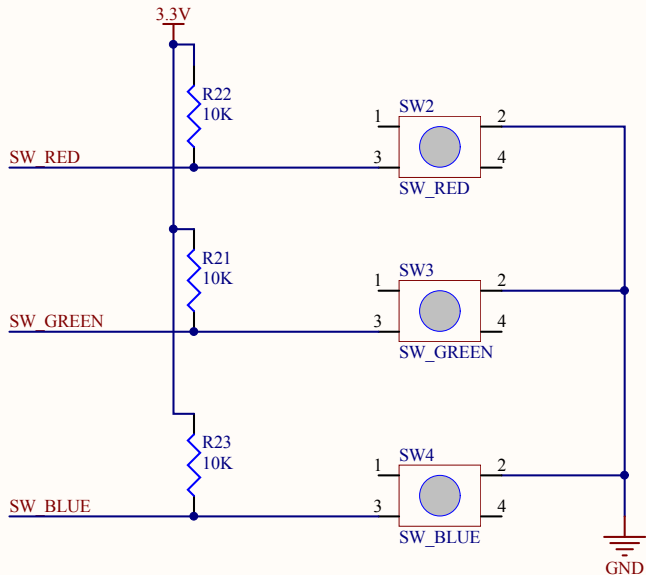
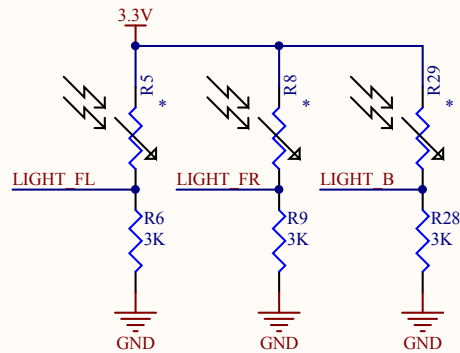
D

A

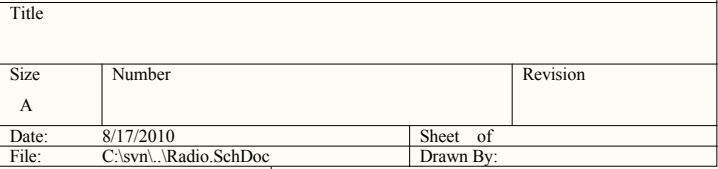
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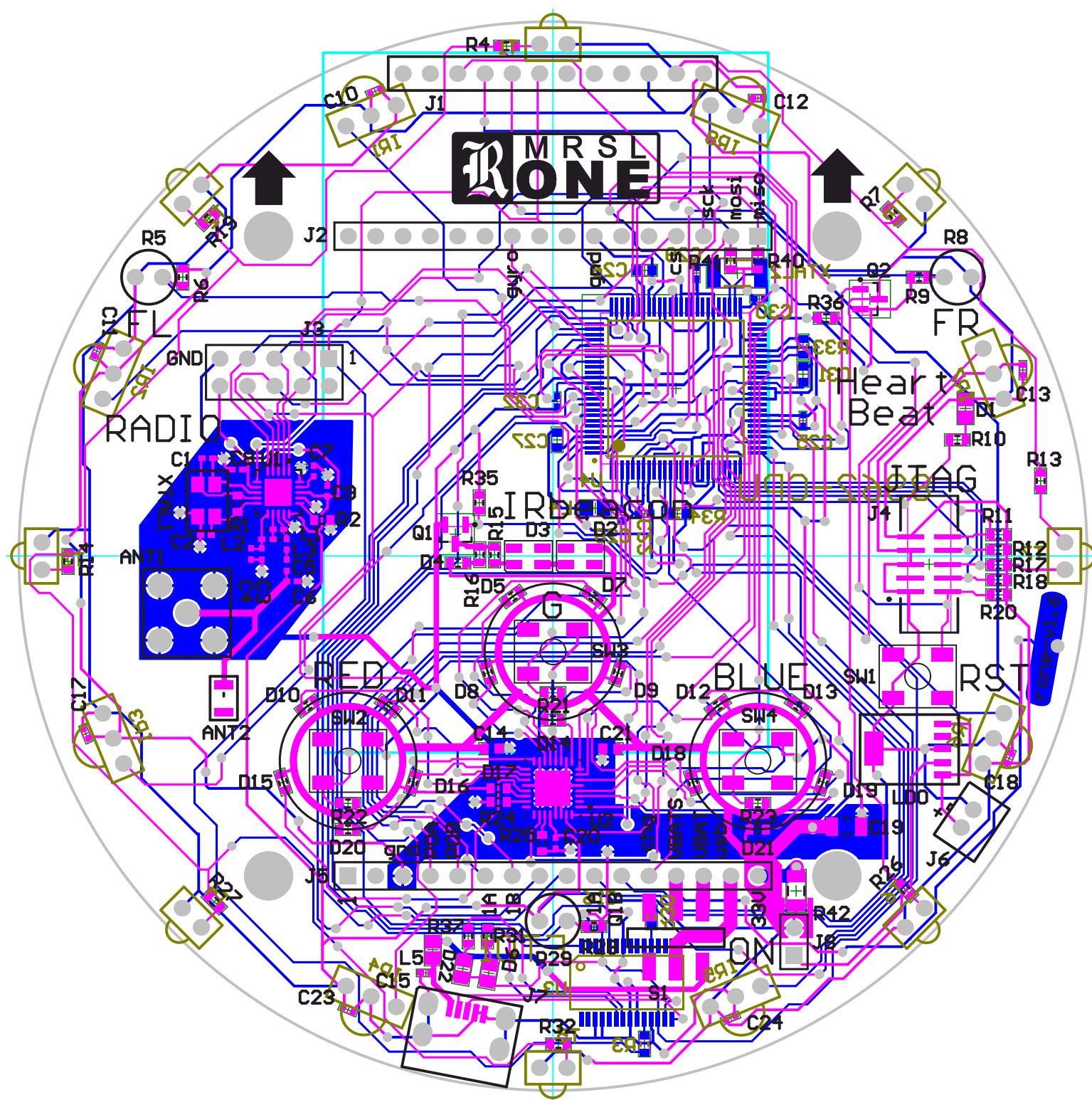
C

D



Title		
Size	Number	Revision
A		
Date:	8/17/2010	Sheet of
File:	C:\svn\LightSensors Buttons LCD.SchDoc	Drawn By:





Bill of Materials

<Parameter Title not found>

Source Data From: CPUBoard-v6.PrjPCB
Project: CPUBoard-v6.PrjPCB
Variant: None

Creation Date: 8/17/2010 12:27:09 PM
Print Date: 17-Aug-10 12:27:16 PM

Footprint	Comment	LibRef	Designator	Description	Quantity
AntennaSMA	Ant	AntennaConn	ANT1	Capacitor (Semiconductor SIM Model)	1
antenna	Antenna	Antenna	ANT2		1
CAPC1005L	Cap Semi	Cap Semi	C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C17, C18, C20, C22, C23, C24, C25, C28, C29, C30, C32		24
CAPC1608L	Cap Semi	Cap Semi	C14, C21, C26, C27, C31	Capacitor (Semiconductor SIM Model)	5
CAPC1005L	Cap	Cap	C15, C16	Capacitor	2
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	Typical RED, GREEN, YELLOW, AMBER GaAs LED	2
SurfaceMount(603)	BEACON_PILOT	LED	D4		1
SurfaceMount(603)	green	LED	D5, D7, D8, D9, D14		5
INDC2012L	TXLED	LED2	D6		1
SurfaceMount(603)	red	LED	D10, D11, D15, D16, D20	Typical RED, GREEN, YELLOW, AMBER GaAs LED	5
SurfaceMount(603)	blue	LED	D12, D13, D18, D19, D21		5
SurfaceMount(603)	extra	LED	D17		1
INDC2012L	RXLED	LED2	D22		1
GP1UX31QS	GP1UX31QS	GP1UX31QS	IR1, IR2, IR3, IR4, IR5, IR6, IR7, IR8	Typical RED, GREEN, YELLOW, AMBER GaAs LED	8
LCD-6100breakout	LCD	LCD-NokiaBreakout	J1		1
HDR1X16	HCOMM	Header 16	J2		1
HDR2X5	radio_debug	Header 5X2	J3		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	Header, 2-Pin	1
USB Minib (thru-hole)	USB	USB-ConnTH	J7		1
HDR1X2	Header 2	Header 2	J8		1
INDC1005AL	Inductor	Inductor	L1, L2, L3		3
INDC2012L	Inductor	Inductor	L4, L5	Inductor	2
SOT-223-5pin	TPS73733	LDO33-TI-TPS73733	LDO	Resistor	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, R24, R25, R26, R27, R28, R32, R33, R34, R35, R36, R40, R41		32
RESC1608L	photoresistor	Res1	R3, R30, R31, R37	Resistor	4
photoresistor	photoresistor	photoresistor	R5, R8, R29	Resistor	3
RESC3216L	Res1	Res1	R42		1
DPDTSwitch	Power Switch	DPDTSwitch	S1		1
SwitchTail-TL330	Reset	Switch-TL330	SW1		1
SwitchTail-TL330	SW_RED	Switch-TL330	SW2	Resistor	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	Crystal Oscillator	1
QFN-32	Allegro6285	Allegro6285	U2		1
SSOP-28	FT232RL	FT232RL	U3		1
LQFP-100	LM3S8962	LM3S8962	U4		1
RadioCrystal	RADIO	RadioCrystal	XTAL1	Crystal Oscillator	1
RESC5025L	CRYSTAL	XTAL	XTAL2		1
	8 MHz				139

Approved	Notes