

Title		
Size	Number	Revision
A		
Date:	6/22/2011	Sheet of
File:	C:\Users\...\LEDs.SchDoc	Drawn By:

A

B

C

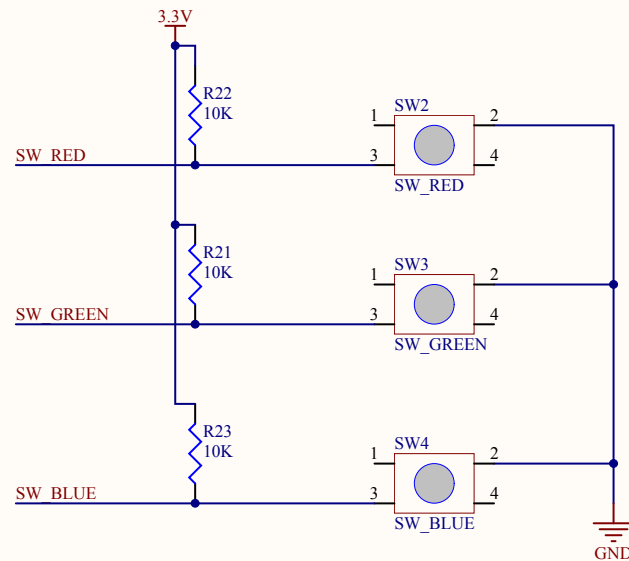
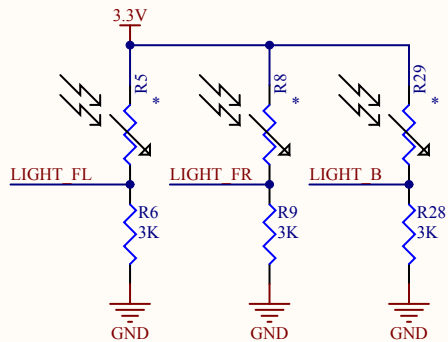
D

1

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A

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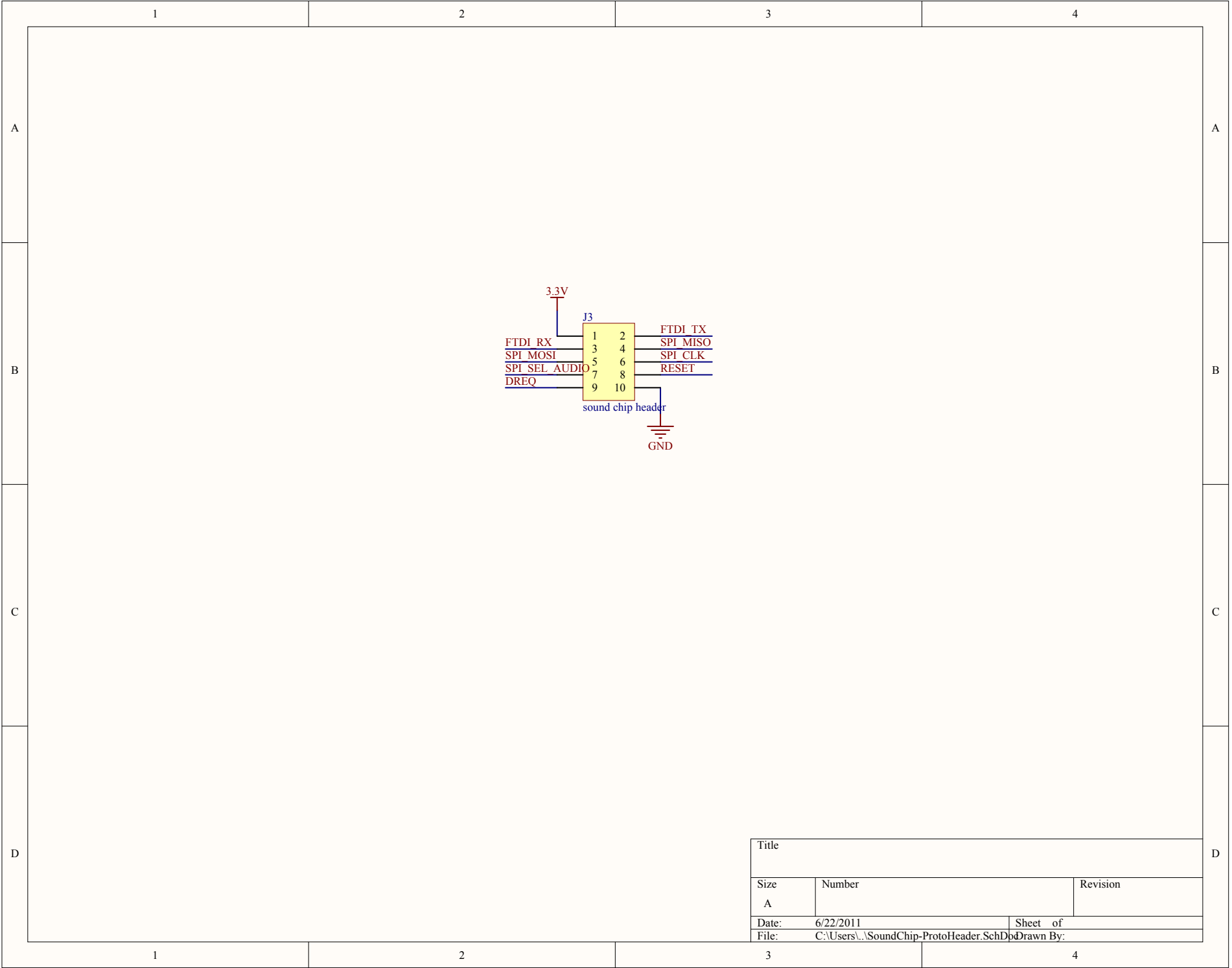
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Size A	Number		Revision
Date:	6/22/2011		Sheet of
File:	C:\Users\...\LightSensorsButtons.SchDoc		Drawn By:

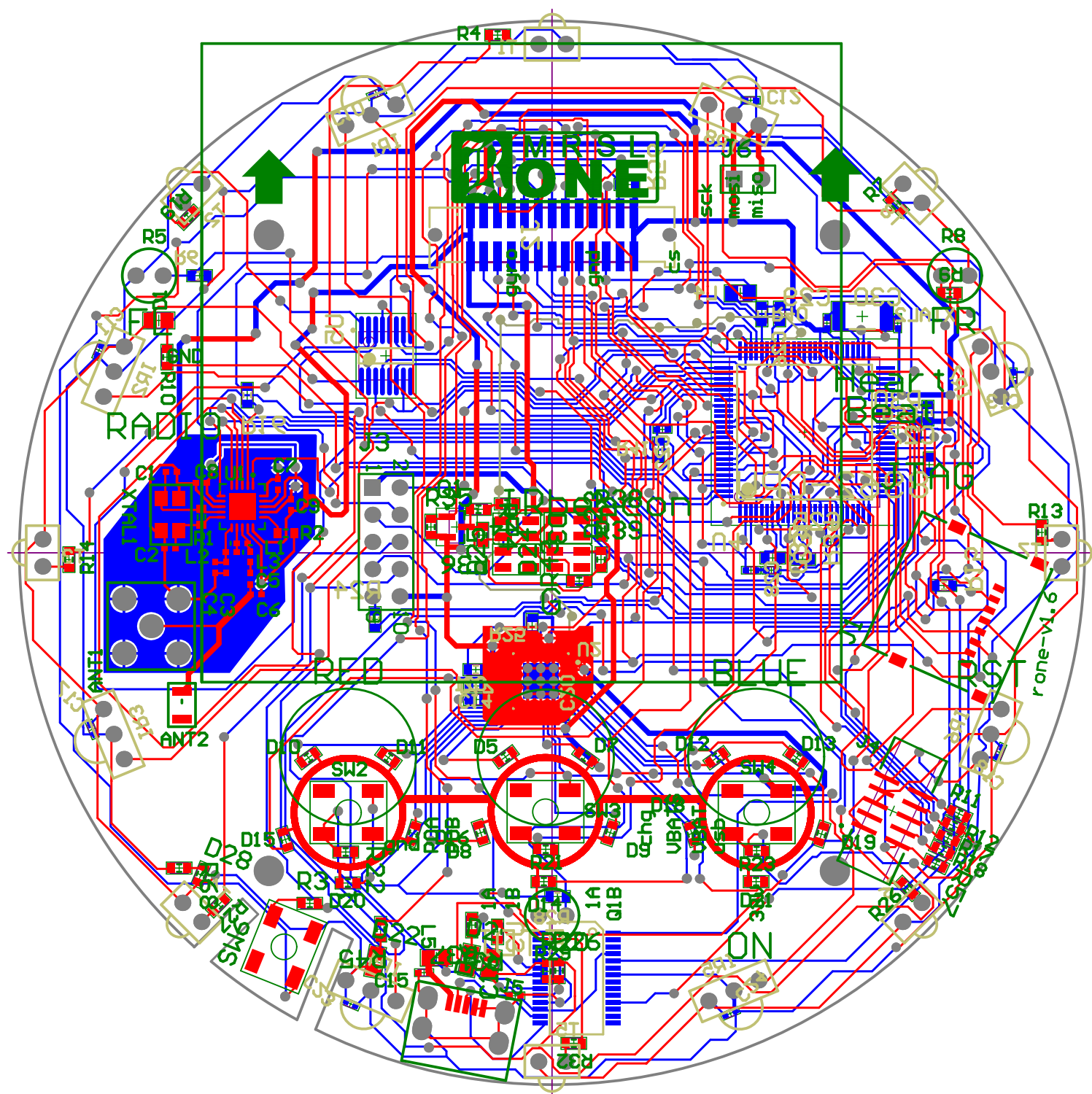
1

2

3

4





Bill of Materials

Bill of Materials For Project [roneCPUBoard-v8.PrjPCB] (No PCB Document Selected)

Source Data From: roneCPUBoard-v8.PrjPCB
 Project: roneCPUBoard-v8.PrjPCB
 Variant: None

Creation Date: 6/22/2011 7:54:32 PM
 Print Date: 40716 40716.82961

Footprint	Comment	LibRef	Designator	Description	Quantity
AntennaSMA	Ant	AntennaConn	ANT1	Capacitor (Semiconductor SIM Model)	1
antenna	Antenna	Antenna	ANT2		24
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		
CAPC1608L	Cap Semi	Cap Semi	C14, C21, C26, C27, C31		5
CAPC1005L	Cap	Cap	C15, C16	Capacitor	2
INDC2012L	heartbeat(white)	LED2	D1	Typical RED, GREEN, YELLOW, AMBER GaAs LED	1
INDC2012L	RxLED	LED2	D2	Typical RED, GREEN, YELLOW, AMBER GaAs LED	1
IRBeacon	IRBeacon	IRBeacon	D3, D23, D24, D25	Typical RED, GREEN, YELLOW, AMBER GaAs LED	4
SurfaceMount(603)	BEACON_PILOT	LED	D4		1
SurfaceMount(603)	green	LED	D5, D7, D8, D9, D14		5
INDC2012L	TxLED	LED2	D6	Typical RED, GREEN, YELLOW, AMBER GaAs LED	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	Charge	LED2	D22	Typical RED, GREEN, YELLOW, AMBER GaAs LED	1
SurfaceMount(603)	DIODE	DIODE	D26	Typical RED, GREEN, YELLOW, AMBER GaAs LED	1
SurfaceMount(603)	LED	LED	D28		1
GP1UX31QS	GP1UX31QS	GP1UX31QS	IR1, IR2, IR3, IR4, IR5, IR6, IR7, IR8		8
MICRO_SD	Micro_SD	MICRO_SD	J1	Header, 2X20, 50mil, IDC	1
HeaderSM13x2	HCOMMM/MOT	HCOMMM/HMOT	J2		1
HDR2X5	sound chip header	Header 5X2	J3		Header, 5-Pin, Dual row
JTAG-10	JTAG	Header 5X2H	J4	Header, 5-Pin, Dual row, Right Angle	1
USB Minib (thru-hole)	USB	USB-ConnTH	J5	Header, 2-Pin	1
HDR1X2	Header 2	Header 2	J6		1
INDC1005AL	Inductor	Inductor	L1, L2, L3		Inductor
INDC2012L	Inductor	Inductor	L4, L5	Inductor	2
SOT-23	Mosfet	Mosfet	Q1	Resistor	1
RESC1608L	Res3	Res3	R1, R2, R3, 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, R38, R39, R40, R41, R43, R44, R45, R56, R57, R68		41
photoresistor	photoresistor	photoresistor	R5, R8, R29		3
RESC1608L	Res1	Res1	R30, R31, R37		3
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
SwitchTail-TL330	PWR_BUTTON	Switch-TL330	SW6		1
LN54	LN54	LN54	T1, T2, T3, T4, T5, T6, T7, T8	Resistor	8
QFN-20	nRF24L01P	radio-nRF24L01P	U1		1
QFN-32	Allegro6285	Allegro6285	U2		1
SSOP-28	FT232RL	FT232RL	U3	Resistor	1
LQFP-100	LM3S8962	LM3S8962	U4		1
TSOP65P640	SN74AHCT595	SN74AHCT595	U5		1
X120-16N	Shift_Register	Shift_Register		Crystal Oscillator	1
RadioCrystal	RADIO	RadioCrystal	XTAL1		1
CRYSTAL	CRYSTAL				
RESC5025L	8 Mhz	XTAL	XTAL2		1

Approved	Notes