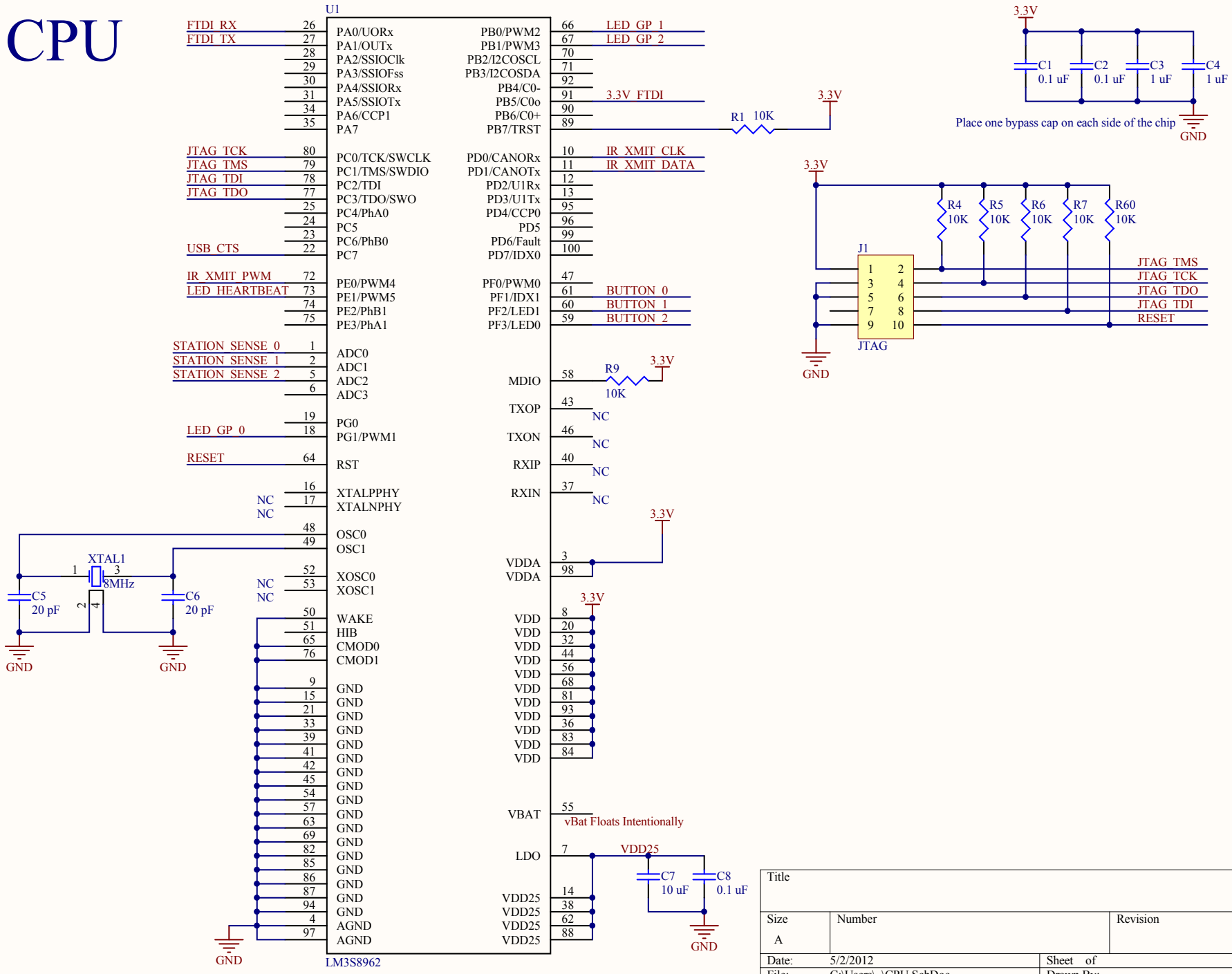
CPU



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Date: 5/2/2012		Sheet of
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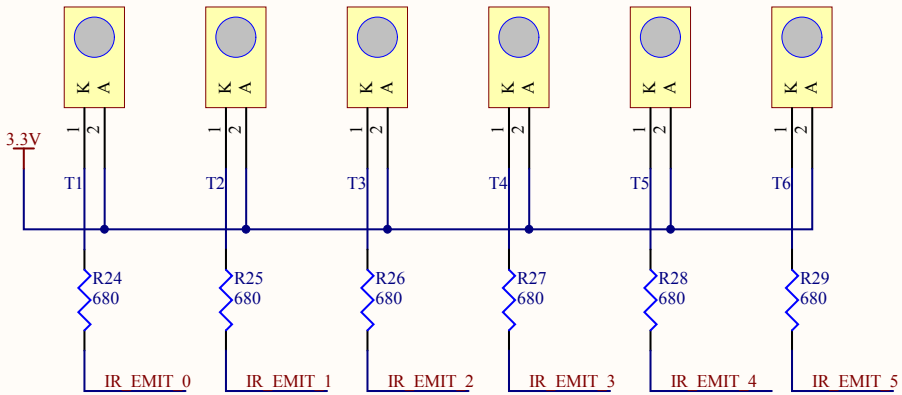
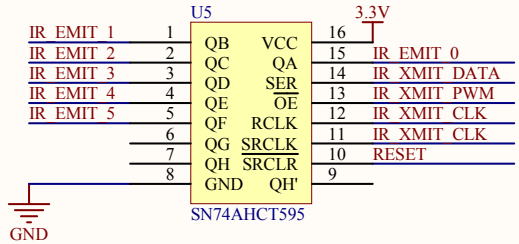
IR Comms





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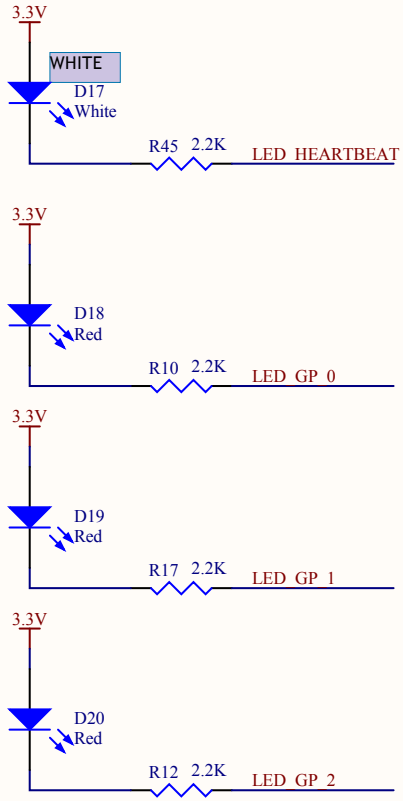
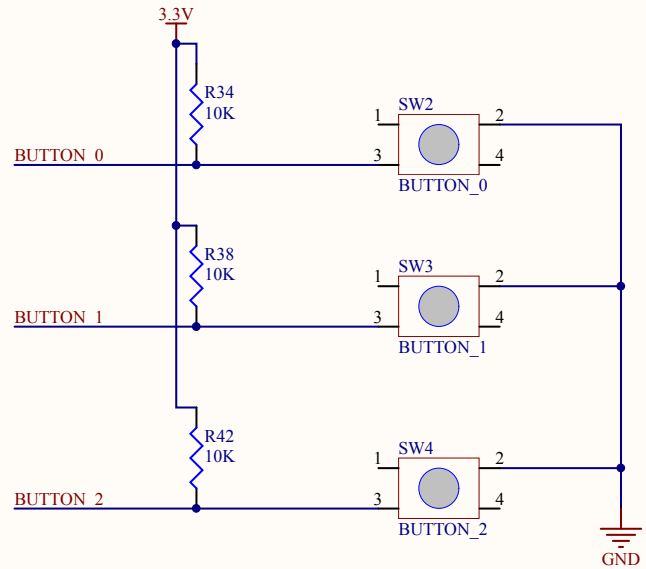
LEDs and Buttons





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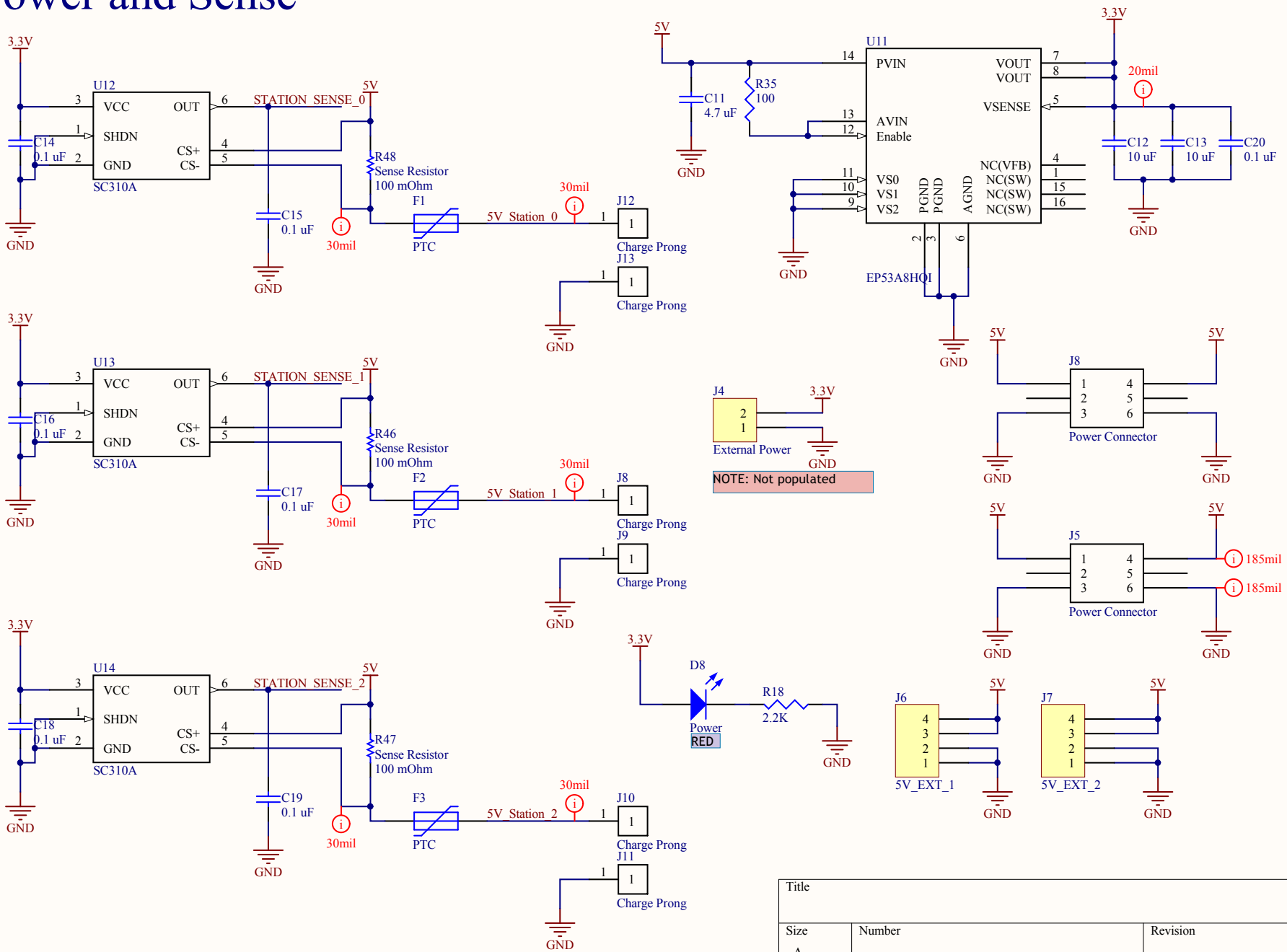
Power and Sense



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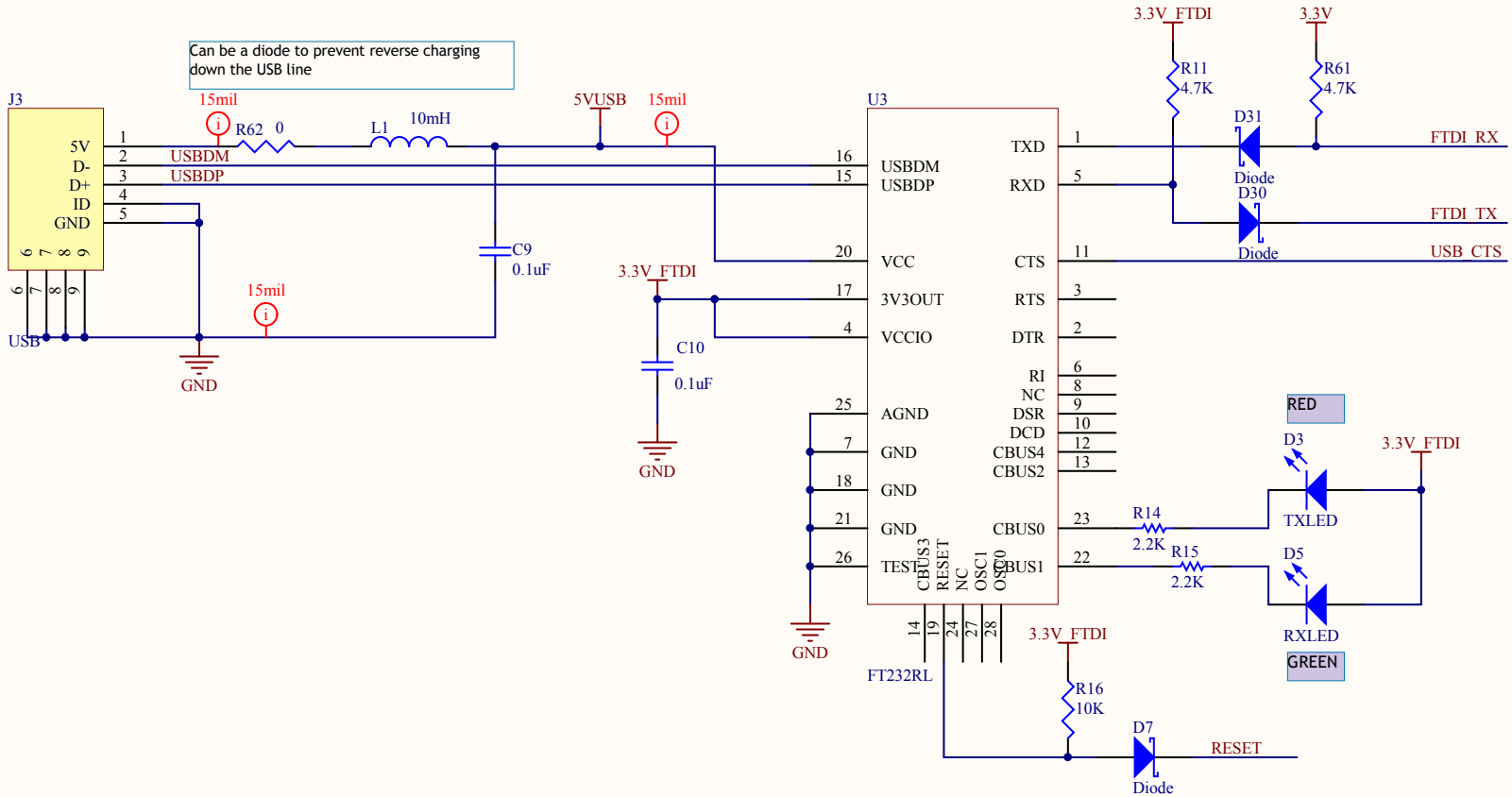

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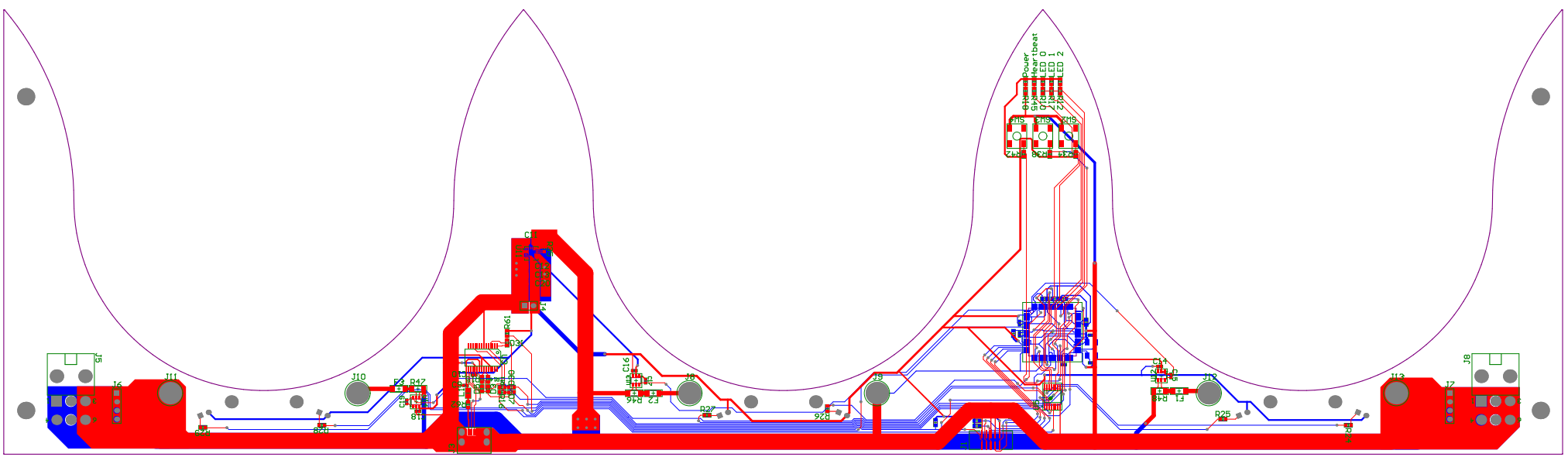
Power
Heartbeat
LED 0
LED 1
LED 2
J1
J2
J3
J4
J5
J6
J7
J8
J9
J10
J11
J12
J13
R25
R26
R27

Bill of Materials

Bill of Materials For Project [Charger.PrjPCB] (No PCB Document Selected)

Source Data From: Charger.PrjPCB
Project: Charger.PrjPCB
Variant: None

Creation Date: 5/2/2012 3:20:35 PM
Print Date: 41031 41031.63934

Footprint	Comment	LibRef	Designator	Description	Quantity
CAPC1005L		Cap	C1, C2, C5, C6, C8, C9, C10, C14, C15, C16, C17, C18, C19, C20	Capacitor	14
CAPC1608L		Cap	C3, C4, C7, C11	Capacitor	4
CAPC2012L		Cap	C12, C13	Capacitor	2
SurfaceMount(603)	TXLED	LED2	D3	Typical RED, GREEN, YELLOW, AMBER GaAs LED	1
SurfaceMount(603)	RXLED	LED2	D5	Typical RED, GREEN, YELLOW, AMBER GaAs LED	1
SurfaceMount(603)	Diode	SchottkeyDiode	D7, D30, D31		3
SurfaceMount(603)	Power	LED	D8		1
SurfaceMount(603)	White	LED	D17		1
SurfaceMount(603)	Red	LED	D18, D19, D20		3
ERJ8G-1206	PTC	PTC_FUSE	F1, F2, F3	Fuse	3
JTAG-10	JTAG	Header 5X2H	J1	Header, 5-Pin, Dual row, Right Angle	1
USB Minib (thru-hole)	USB	USB-ConnTH	J3		1
HDR1X2	External Power	Header 2	J4	Header, 2-Pin	1
MOLEX_MINI-FIT_JR_5569_2X3_HORIZ	Power Connector	MOLEX_MINI_FIT_JR_2X3	J5, J8		2
HDR1X4	5V_EXT_1	Header 4	J6	Header, 4-Pin	1
HDR1X4	5V_EXT_2	Header 4	J7	Header, 4-Pin	1
CHARGING_PRONG	Charge Prong	CHARGE_PRONG	J8, J9, J10, J11, J12, J13	Charging Prong Hole with Plating	6
INDC2012L	Inductor	Inductor	L1	Inductor	1
RESC1608L	Res3	Res3	R1, R4, R5, R6, R7, R9, R10, R11, R12, R16, R17, R18, R24, R25, R26, R27, R28, R29, R34, R35, R38, R42, R45, R60, R61, R62	Resistor	26
RESC1608L		Res1	R14, R15	Resistor	2
ERJ8G-1206	Sense Resistor	Resistor	R46, R47, R48	Resistor	3
SwitchTall-TL330	BUTTON_0	Switch-TL330	SW2		1
SwitchTall-TL330	BUTTON_1	Switch-TL330	SW3		1
SwitchTall-TL330	BUTTON_2	Switch-TL330	SW4		1
LN54	LN54	LN54	T1, T2, T3, T4, T5, T6		6
LQFP-100	LM3S8962	LM3S8962	U1		1
SSOP-28	FT232RL	FT232RL	U3		1
TSSOP-16	SN74AHCT595	SN74AHCT595	U5	shift register	1
QFN-16 - EP53A8xQI Package	EP53A8HQI	EP53A8HQI	U11	DC/DC Converter with Integrated Inductor	1
SOT-23-6	SC310A	SC310A	U12, U13, U14	High-Side Current-Sense Amplifier with Low Impedance Voltage Output	3
CRYSTAL	8MHz	Crystal	XTAL1		1
					95

Approved	Notes	