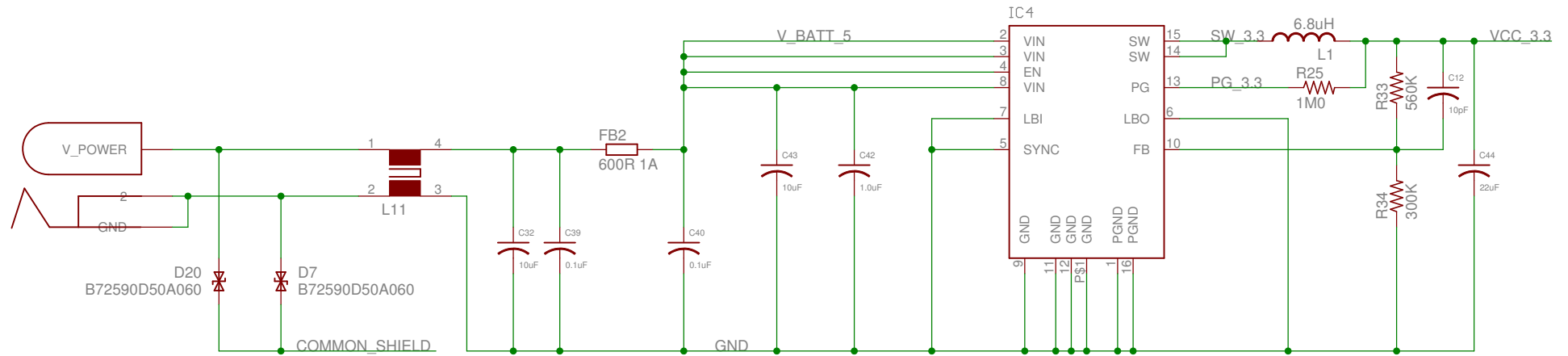
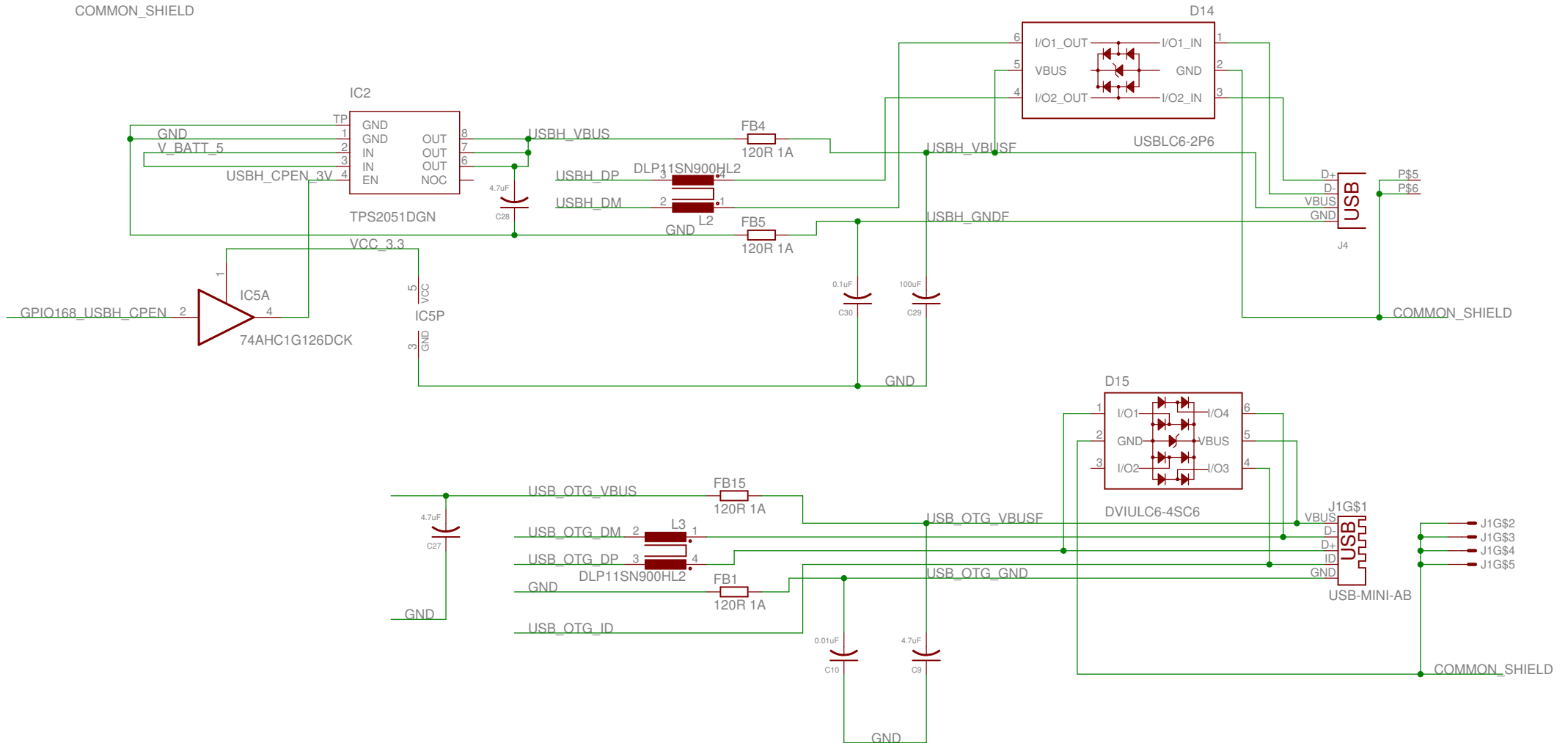
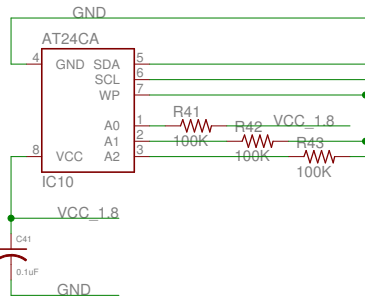
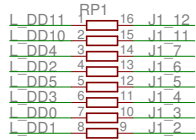
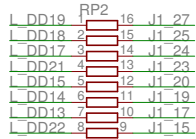
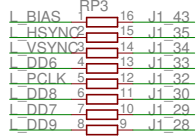
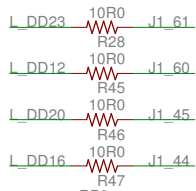


must adjust C43 when larger v<sub>batt</sub> are allowed  
only rated to 5.5V (C43 is a 10V tolerant)



COMMON\_SHIELD





J1_3	GPIO70_L_DD00
J1_2	GPIO71_L_DD01
J1_6	GPIO72_L_DD02
J1_4	GPIO73_L_DD03
J1_7	GPIO74_L_DD04
J1_5	GPIO75_L_DD05
J1_33	GPIO76_L_DD06
J1_29	GPIO77_L_DD07
J1_30	GPIO78_L_DD08
J1_28	GPIO79_L_DD09
J1_11	GPIO80_L_DD10
J1_12	GPIO81_L_DD11
J1_60	GPIO82_L_DD12
J1_17	GPIO83_L_DD13
J1_19	GPIO84_L_DD14
J1_20	GPIO85_L_DD15
J1_44	GPIO86_L_DD16
J1_24	GPIO87_L_DD17
J1_25	GPIO88_L_DD18
J1_27	GPIO89_L_DD19
J1_45	GPIO90_L_DD20
J1_15	GPIO91_L_DD21
J1_15	GPIO92_L_DD22
J1_61	GPIO93_L_DD23
J1_43	GPIO69_L_BIAS
J1_34	GPIO68_L_FCLK
J1_35	GPIO67_L_LCLK
J1_32	GPIO66_L_PCLK
J1_10	GPIO185_SDA3
J1_13	GPIO184_SCL3
J1_26	GPIO184_IR_TXD3
J1_31	GPIO165_IR_RXD3
J1_22	GPIO163_IR_CTS3
J1_8	GPIO10_TS_IRQ
J1_14	GPIO186_GPS_PPS

X_GPIO65_ETH1_IRQ1	J4_9
X_GPIO176_ETH0_IRQ1	J4_25
X_GPIO64_ETH0_NRESET	J4_10
X_NCS5_ETH0	J4_4
X_NBE0	J4_65
X_NBE1	J4_69
X_NMWP	J4_63
X_NPWE	J4_6
X_NOE	J4_8
X_ADDR_01	J4_58
X_ADDR_02	J4_11
X_ADDR_03	J4_59
X_ADDR_04	J4_61
X_ADDR_05	J4_13
X_ADDR_06	J4_57
X_ADDR_07	J4_14
X_ADDR_08	J4_12
X_ADDR_09	J4_62
X_ADDR_10	J4_60
X_DATA_0	J4_56
X_DATA_1	J4_53
X_DATA_2	J4_15
X_DATA_3	J4_17
X_DATA_4	J4_19
X_DATA_5	J4_21
X_DATA_6	J4_51
X_DATA_7	J4_49
X_DATA_8	J4_54
X_DATA_9	J4_55
X_DATA_10	J4_16
X_DATA_11	J4_18
X_DATA_12	J4_20
X_DATA_13	J4_52
X_DATA_14	J4_50
X_DATA_15	J4_22

J1_3	GPIO70_L_DD00
J1_2	GPIO71_L_DD01
J1_6	GPIO72_L_DD02
J1_4	GPIO73_L_DD03
J1_7	GPIO74_L_DD04
J1_5	GPIO75_L_DD05
J1_33	GPIO76_L_DD06
J1_29	GPIO77_L_DD07
J1_30	GPIO78_L_DD08
J1_28	GPIO79_L_DD09
J1_11	GPIO80_L_DD10
J1_12	GPIO81_L_DD11
J1_60	GPIO82_L_DD12
J1_17	GPIO83_L_DD13
J1_19	GPIO84_L_DD14
J1_20	GPIO85_L_DD15
J1_44	GPIO86_L_DD16
J1_24	GPIO87_L_DD17
J1_25	GPIO88_L_DD18
J1_27	GPIO89_L_DD19
J1_45	GPIO90_L_DD20
J1_15	GPIO91_L_DD21
J1_15	GPIO92_L_DD22
J1_61	GPIO93_L_DD23
J1_43	GPIO69_L_BIAS
J1_34	GPIO68_L_FCLK
J1_35	GPIO67_L_LCLK
J1_32	GPIO66_L_PCLK
J1_10	GPIO185_SDA3
J1_13	GPIO184_SCL3
J1_26	GPIO184_IR_TXD3
J1_31	GPIO165_IR_RXD3
J1_22	GPIO163_IR_CTS3
J1_8	GPIO10_TS_IRQ
J1_14	GPIO186_GPS_PPS

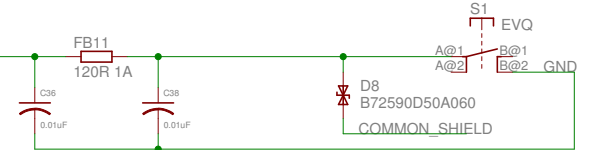
GPIO65_ETH1_IRQ1	J4_9
GPIO176_ETH0_IRQ1	J4_25
GPIO64_ETH0_NRESET	J4_10
EM_NCS5_ETH0	J4_4
EM_NBE0	J4_65
EM_NBE1	J4_69
EM_NWP	J4_63
EM_NWE	J4_6
EM_NOE	J4_8
EM_A1	J4_58
EM_A2	J4_11
EM_A3	J4_59
EM_A4	J4_61
EM_A5	J4_13
EM_A6	J4_57
EM_A7	J4_14
EM_A8	J4_12
EM_A9	J4_62
EM_A10	J4_60
EM_D0	J4_56
EM_D1	J4_53
EM_D2	J4_15
EM_D3	J4_17
EM_D4	J4_19
EM_D5	J4_21
EM_D6	J4_51
EM_D7	J4_49
EM_D8	J4_54
EM_D9	J4_55
EM_D10	J4_16
EM_D11	J4_18
EM_D12	J4_20
EM_D13	J4_52
EM_D14	J4_50
EM_D15	J4_22

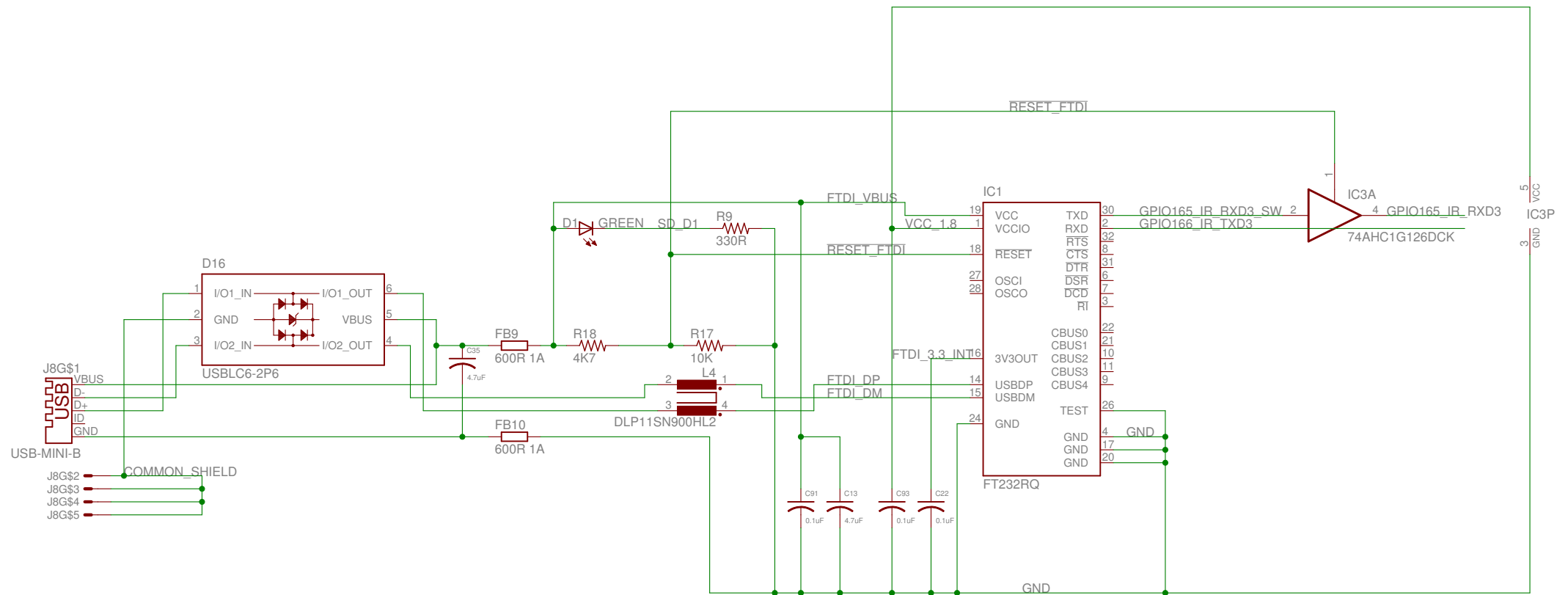
J1

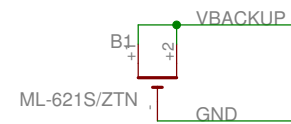
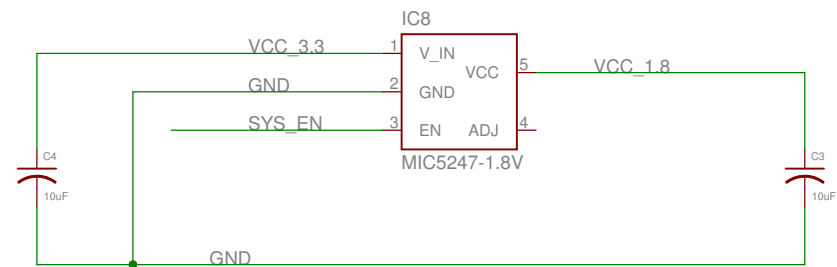
J4

VSYSTEM	J1_67	VCC_3.3
VSYSTEM	J1_66	VCC_3.3
GND	J1_56	GND
GND	J1_70	GND
GND	J1_52	VBACKUP
VBACKUP	J1_1	NRESET
NRESPWRON	J1_9	GPIO31_WAKEUP
GPIO31_WAKEUP	J1_65	POWERON
POWERON	J1_59	SYS_EN
SYS_EN	J1_62	
TV_OUT2	J1_63	
HSORF	J1_69	HSOR
HSOLF	J1_68	HSOI
AUXRF	J1_41	LINE_IN_1A
AUXLF	J1_38	LINE_IN_RA
MIC_SUB_MF	J1_39	MIC_SUB
MIC_MAIN_MF	J1_57	MIC_MAIN
ADCIN2	J1_58	ADCIN2
ADCIN3	J1_48	ADCIN3
ADCIN4	J1_40	ADCIN4
ADCIN5	J1_51	ADCIN5
ADCIN6	J1_53	ADCIN6
ADCIN7	J1_64	ADCIN7
GND	J1_50	
AGND	J1_47	GPIO170_HDQ_1WIRE
GPIO170_HDQ_1WIRE	J1_42	PWM0
PWM0	J1_49	PWM1
PWM1	J1_16	GPIO147_PWM8
GPIO147_GPT8_PWM	J1_18	GPIO144_PWM9
GPIO144_GPT9_PWM	J1_21	GPIO146_PWM11
GPIO146_GPT11_PWM	J1_55	GPIO145_PWM10
GPIO145_GPT10_PWM	J1_46	USB_OTG_ID
USBOTG_ID	J1_54	USB_OTG_VBUS
USBOTG_VBUS	J1_36	USB_OTG_DP
USBOTG_DP	J1_37	USB_OTG_DM
USBOTG_DM		

VSYSTEM	J4_1	VCC_3.3
VSYSTEM	J4_2	VCC_3.3
GND	J4_3	GND
GND	J4_33	GND
GND	J4_7	X_NADV_ALE
EM_NADV_ALE	J4_70	X_CLK
EM_CLK	J4_68	X_RDY
EM_WAIT0	J4_67	X_NCS6
EM_NCS6	J4_5	X_NCS4
EM_NCS4	J4_64	X_NCS1
EM_NCS1	J4_66	X_NCS0
EM_NCS0	J4_45	GPIO173_SPI1_MISO
GPIO173_SPI1_MISO	J4_44	GPIO172_SPI1_MOSI
GPIO172_SPI1_MOSI	J4_43	GPIO171_SPI1_CLK
GPIO171_SPI1_CLK	J4_42	GPIO175_SPI1_CS1
GPIO175_SPI1_CS1	J4_27	GPIO174_SPI1_CS0
GPIO174_SPI1_CS0	J4_41	GPIO114_SPI1_NIRQ
GPIO114_SPI1_NIRQ	J4_48	GPIO151_TXD1
GPIO151_TXD1	J4_24	GPIO148_TXD1
GPIO148_TXD1	J4_46	GPIO149_MMC3_CD
GPIO149_MMC3_CD	J4_47	GPIO150_MMC3_WP
GPIO150_MMC3_WP	J4_23	GPIO13_MMC3_CMD
GPIO13_MMC3_CMD	J4_40	GPIO12_MMC3_CLK
GPIO12_MMC3_CLK	J4_26	GPIO18_MMC3_D0
GPIO18_MMC3_D0	J4_36	GPIO19_MMC3_D1
GPIO19_MMC3_D1	J4_39	GPIO18_MMC3_D2
GPIO20_MMC3_D2	J4_31	GPIO17_MMC3_D3
GPIO17_MMC3_D3	J4_29	GPIO14_MMC3_D4
GPIO14_MMC3_D4	J4_38	GPIO23_MMC3_D5
GPIO23_MMC3_D5	J4_37	GPIO22_MMC3_D6
GPIO22_MMC3_D6	J4_30	GPIO21_MMC3_D7
GPIO21_MMC3_D7	J4_28	GPIO168_USBH_CPEN
GPIO168_USBH_CPEN	J4_32	USBH_VBUS
USBH_VBUS	J4_34	USBH_DP
USBH_DP	J4_35	USBH_DM
USBH_DM		

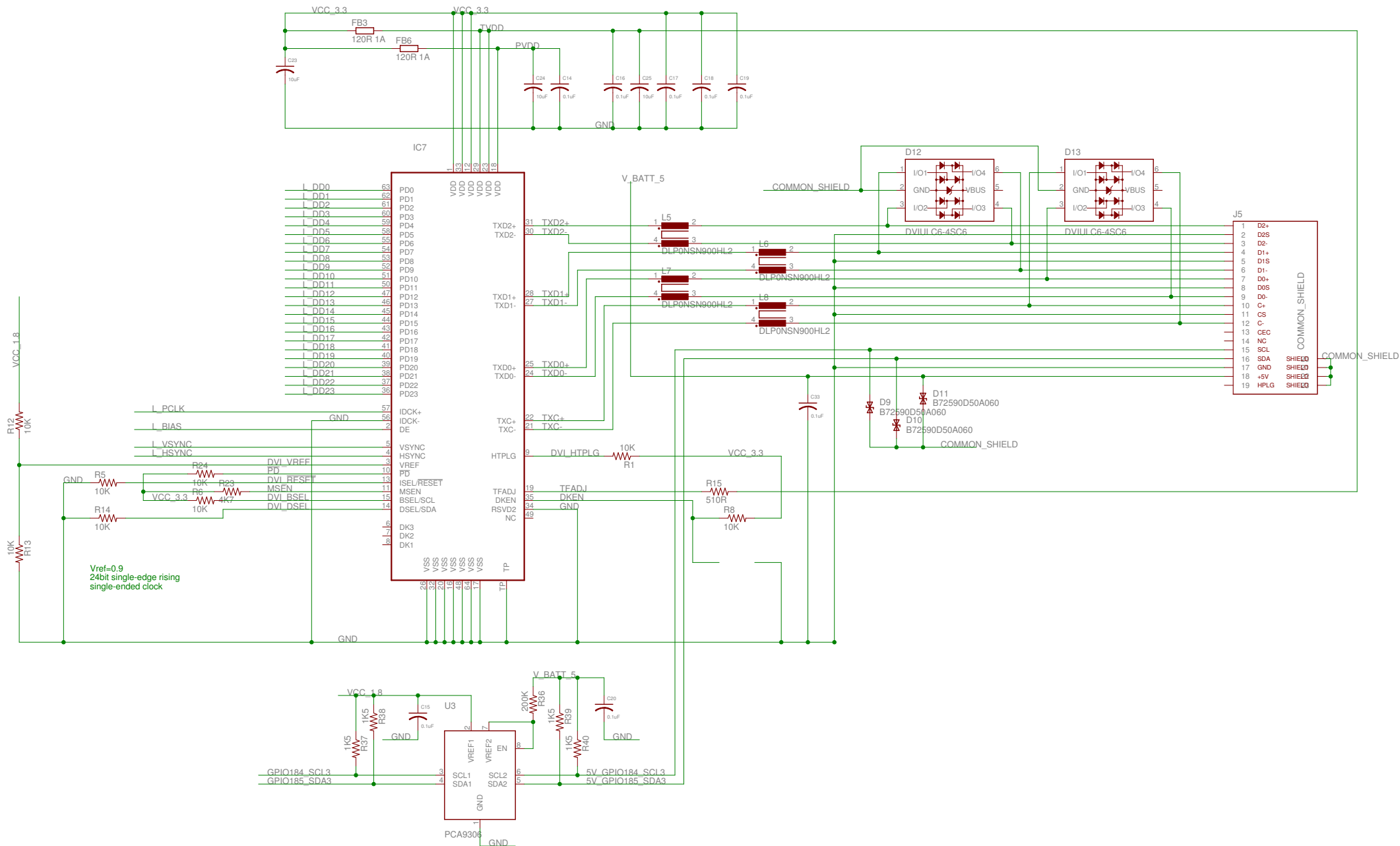


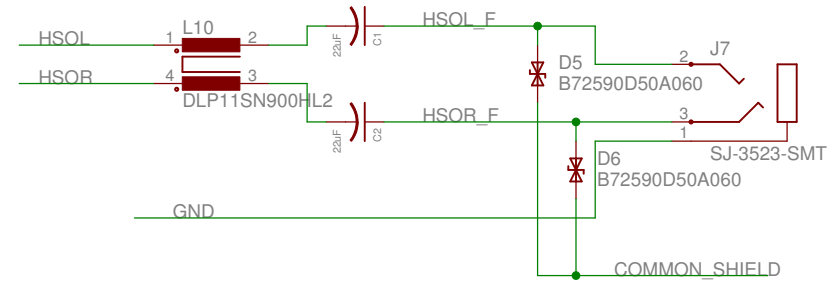
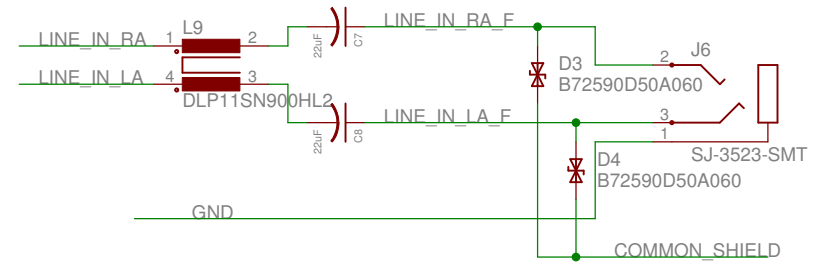




Rechargeable 6.8mm lithium coin cell battery.









SV1			
V_BATT_5	40	39	ADCIN4
ADCIN3	38	37	GND
ADCIN5	36	35	ADCIN6
ADCIN2	34	33	ADCIN7
PWM1	32	31	PWM0
GPIO144_PWM9	30	29	GPIO147_PWM8
GPIO145_PWM10	28	27	GPIO146_PWM11
VCC_1.8	26	25	GND
GPIO185_SDA3	24	23	GPIO184_SCL3
GPIO166_IR_TXD3	22	21	GPIO165_IR_RXD3
GPIO163_IR_CTS3	20	19	GPIO170_HDQ_1WIRE
GPIO10_TS_IRQ	18	17	GPIO186_GPS_PPS
VCC_1.8	16	15	GND
POWERON	14	13	GPIO31_WAKEUP
VBACKUP	12	11	SYS_EN
GPIO148_TXD1	10	9	GPIO151_RXD1
GPIO175_SPI1_CS1	8	7	GPIO173_SPI1_MISO
GPIO174_SPI1_CS0	6	5	GPIO172_SPI1_MOSI
GPIO114_SPI1_NIRQ	4	3	GPIO171_SPI1_CLK
VCC_3.3	2	1	GND

