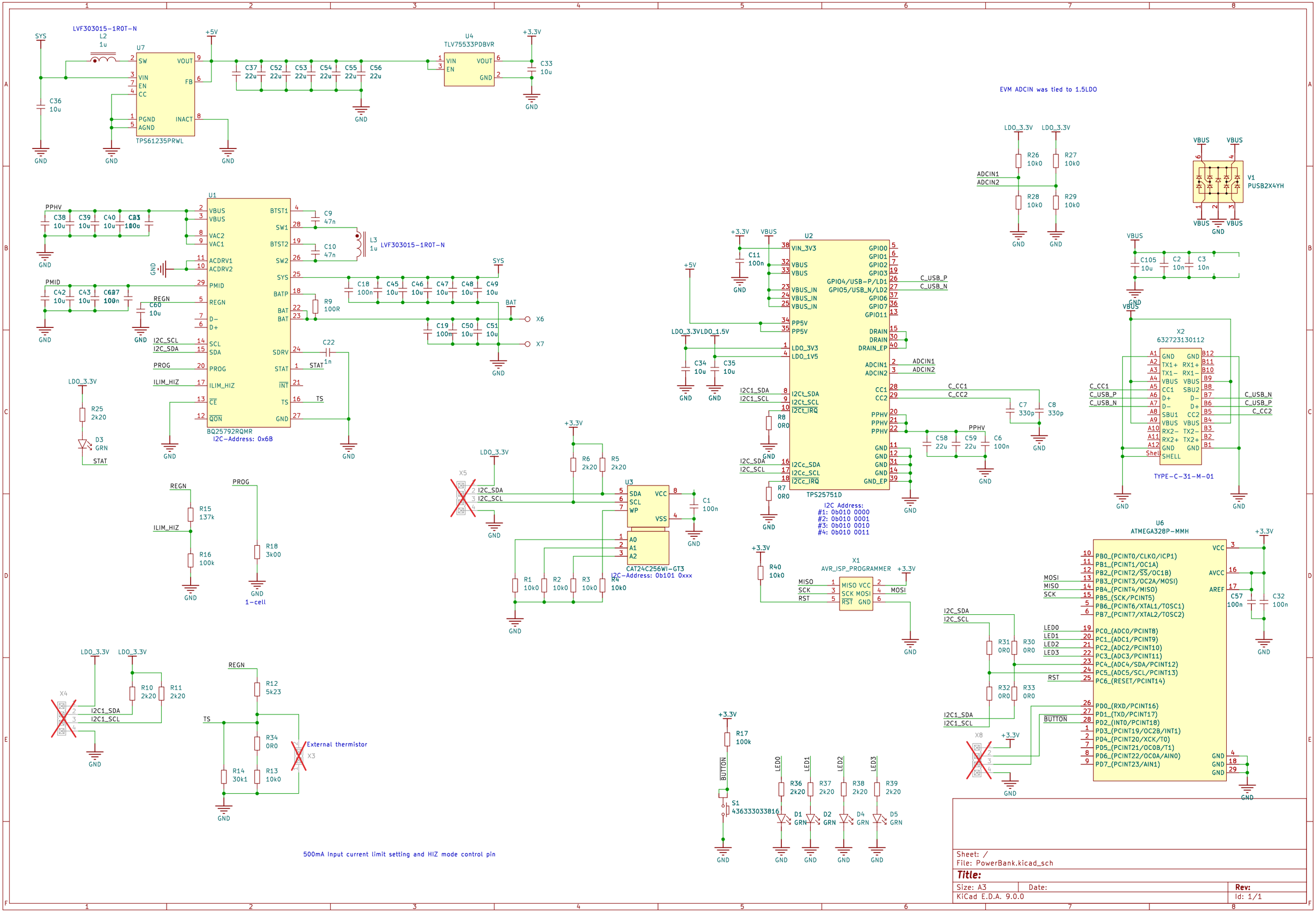
LVF303015-1R0T-N
L2
1u
U7
TPS61235PRWL
SYS
+5V
C36
10u
C37 22u
C52 22u
C53 22u
C54 22u
C55 22u
C56 22u
U4
TLV75533PDBVR
+3.3V
C33
10u
GND
EVM ADCIN was tied to 1.5LDO
LDO_3.3V
R26 10k0
R27 10k0
R28 10k0
R29 10k0
ADCIN1
ADCIN2
VBUS
V1
PUSB2X4YH
U1
BQ25792RQMR
I2C-Address: 0x6B
PPHV
C38 10u
C39 10u
C40 10u
C41 100n
PMID
C42 10u
C43 10u
C44 100n
REGN
C60 10u
I2C_SCL
I2C_SDA
PROG
ILIM_HIZ
C9 47n
C10 47n
L3 1u
LVF303015-1R0T-N
R9 100R
C18 100n
C45 10u
C46 10u
C47 10u
C48 10u
C49 10u
C19 100n
C50 10u
C51 10u
BAT
X6
X7
C22 1n
STAT
TS
R25 2k20
D3 GRN
U2
TPS25751D
VIN_3V3
VBUS
PP5V
LDO_3V3
LDO_1V5
GPIO4/USB-P/LD1
GPIO5/USB_N/LD2
C_USB_P
C_USB_N
DRAIN
DRAIN_EP
ADCIN1
ADCIN2
CC1
CC2
C_CC1
C_CC2
C7 330p
C8 330p
C58 22u
C59 22u
C6 100n
PPHV
GND_EP
I2C1_SDA
I2C1_SCL
I2Ct_SDA
I2Ct_SCL
I2Ct_IRQ
I2Cc_SDA
I2Cc_SCL
I2Cc_IRQ
C11 100n
C34 10u
C35 10u
R8 0R0
R7 0R0
I2C Address:
#1: 0b010 0000
#2: 0b010 0001
#3: 0b010 0010
#4: 0b010 0011
C105 10u
C2 10n
C3 10n
X2
632723130112
TYPE-C-31-M-01
SHELL
R15 137k
R16 100k
R18 3k00
1-cell
X5
R6 2k20
R5 2k20
U3
CAT24C256WI-GT3
I2C-Address: 0b101 0xxx
SDA
SCL
WP
VCC
VSS
A0
A1
A2
C1 100n
R1 10k0
R2 10k0
R3 10k0
R4 10k0
R40 10k0
X1
AVR_ISP_PROGRAMMER
MISO
SCK
RST
MOSI
U6
ATMEGA328P-MMH
PB0_(PCINT0/CLKO/ICP1)
PB1_(PCINT1/OC1A)
PB2_(PCINT2/SS/OC1B)
PB3_(PCINT3/OC2A/MOSI)
PB4_(PCINT4/MISO)
PB5_(SCK/PCINT5)
PB6_(PCINT6/XTAL1/TOSC1)
PB7_(PCINT7/XTAL2/TOSC2)
PC0_(ADC0/PCINT8)
PC1_(ADC1/PCINT9)
PC2_(ADC2/PCINT10)
PC3_(ADC3/PCINT11)
PC4_(ADC4/SDA/PCINT12)
PC5_(ADC5/SCL/PCINT13)
PC6_(RESET/PCINT14)
PD0_(RXD/PCINT16)
PD1_(TXD/PCINT17)
PD2_(INT0/PCINT18)
PD3_(PCINT19/OC2B/INT1)
PD4_(PCINT20/XCK/T0)
PD5_(PCINT21/OC0B/T1)
PD6_(PCINT22/OC0A/AIN0)
PD7_(PCINT23/AIN1)
VCC
AVCC
AREF
C57 100n
C32 100n
LED0
LED1
LED2
LED3
R31 0R0
R30 0R0
R32 0R0
R33 0R0
BUTTON
X8
X4
R10 2k20
R11 2k20
R12 5k23
R34 0R0
R14 30k1
R13 10k0
External thermistor
X3
R17 100k
S1
436333033816
R36 2k20
R37 2k20
R38 2k20
R39 2k20
D1 GRN
D2 GRN
D4 GRN
D5 GRN
500mA Input current limit setting and HIZ mode control pin
Sheet: /
File: PowerBank.kicad_sch
Title:
Size: A3
Date:
Rev:
KiCad E.D.A. 9.0.0
Id: 1/1