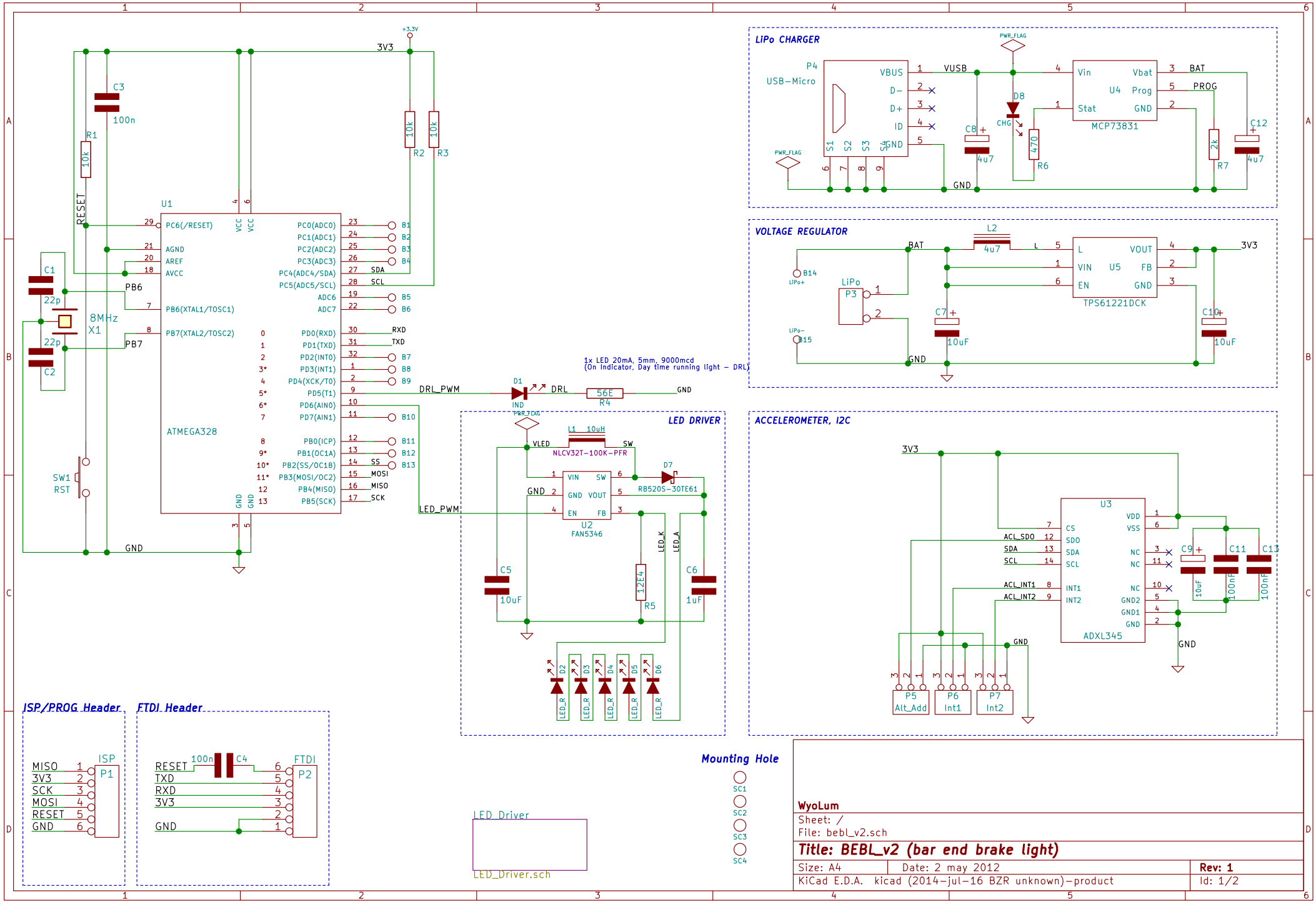
LiPo CHARGER
P4
USB-Micro
VBUS
D-
D+
ID
GND
S1
S2
S3
S4
VUSB
PWR_FLAG
D8
CHG
C8
4u7
R6
470
U4
MCP73831
Vin
Vbat
Prog
Stat
BAT
PROG
R7
2k
C12
4u7
VOLTAGE REGULATOR
B14
LiPo+
LiPo
P3
B15
LiPo-
BAT
L2
4u7
U5
TPS61221DCK
L
VIN
EN
VOUT
FB
GND
3V3
C7
10uF
C10
10uF
1x LED 20mA, 5mm, 9000mcd
(On Indicator, Day time running light - DRL)
D1
IND
DRL
56E
R4
GND
LED DRIVER
L1 10uH
NLCV32T-100K-PFR
VLED
SW
D7
RB520S-30TE61
U2
FAN5346
VIN
GND
VOUT
EN
FB
LED_PWM
LED_K
LED_A
C5
10uF
R5
12E4
C6
1uF
D2
D3
D4
D5
D6
LED_R
ACCELEROMETER, I2C
U3
ADXL345
VDD
VSS
CS
SDO
SDA
SCL
INT1
INT2
NC
GND2
GND1
GND
ACL_SDO
ACL_INT1
ACL_INT2
C9
10uF
C11
100nF
C13
100nF
P5
Alt_Add
P6
Int1
P7
Int2
U1
ATMEGA328
PC6(/RESET)
AGND
AREF
AVCC
PB6(XTAL1/TOSC1)
PB7(XTAL2/TOSC2)
PC0(ADC0)
PC1(ADC1)
PC2(ADC2)
PC3(ADC3)
PC4(ADC4/SDA)
PC5(ADC5/SCL)
ADC6
ADC7
PD0(RXD)
PD1(TXD)
PD2(INT0)
PD3(INT1)
PD4(XCK/T0)
PD5(T1)
PD6(AIN0)
PD7(AIN1)
PB0(ICP)
PB1(OC1A)
PB2(SS/OC1B)
PB3(MOSI/OC2)
PB4(MISO)
PB5(SCK)
VCC
GND
RESET
PB6
PB7
SDA
SCL
RXD
TXD
SS
MOSI
MISO
SCK
DRL_PWM
LED_PWM
C1
22p
C2
22p
8MHz
X1
SW1
RST
C3
100n
R1
10k
R2
10k
R3
10k
+3.3V
3V3
ISP/PROG Header
ISP
P1
MISO
3V3
SCK
MOSI
RESET
GND
FTDI Header
FTDI
P2
RESET
TXD
RXD
3V3
GND
100n
C4
LED Driver
LED_Driver.sch
Mounting Hole
SC1
SC2
SC3
SC4
WyoLum
Sheet: /
File: bebl_v2.sch
Title: BEBL_v2 (bar end brake light)
Size: A4
Date: 2 may 2012
Rev: 1
KiCad E.D.A. kicad (2014-jul-16 BZR unknown)-product
Id: 1/2