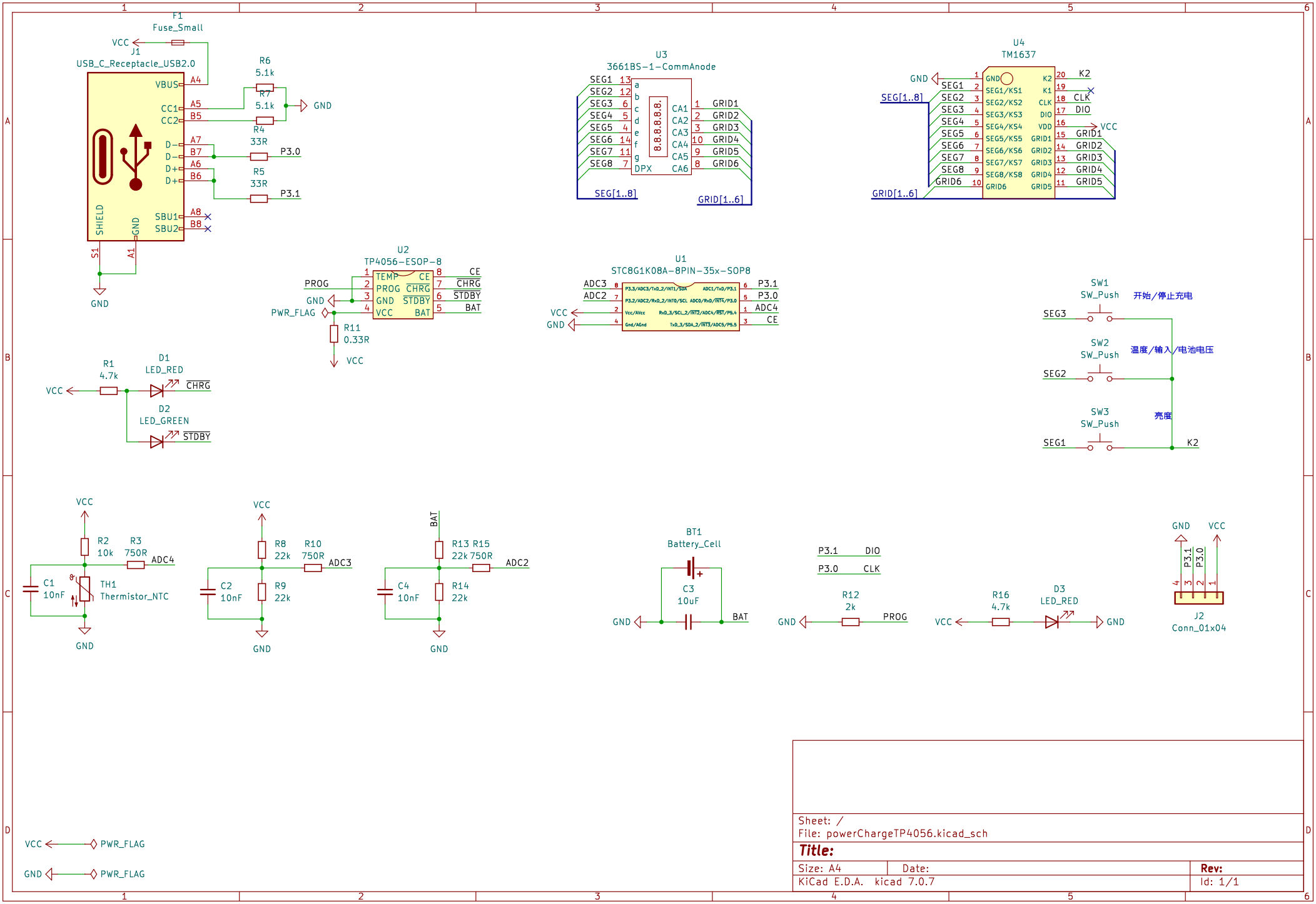
F1
Fuse_Small
VCC
J1
USB_C_Receptacle_USB2.0
VBUS
A4
CC1
A5
CC2
B5
D-
A7
D-
B7
D+
A6
D+
B6
SHIELD
GND
SBU1
A8
SBU2
B8
S1
A1
GND
R6
5.1k
R7
5.1k
GND
R4
33R
P3.0
R5
33R
P3.1
U3
3661BS-1-CommAnode
SEG1 13
SEG2 12
SEG3 6
SEG4 5
SEG5 4
SEG6 14
SEG7 11
SEG8 7
a
b
c
d
e
f
g
DPX
8.8.8.8.8.8.
CA1 1
CA2 2
CA3 3
CA4 10
CA5 9
CA6 8
GRID1
GRID2
GRID3
GRID4
GRID5
GRID6
SEG[1..8]
GRID[1..6]
U4
TM1637
GND 1
SEG1 2
SEG2 3
SEG3 4
SEG4 5
SEG5 6
SEG6 7
SEG7 8
SEG8 9
GRID6 10
SEG1/KS1
SEG2/KS2
SEG3/KS3
SEG4/KS4
SEG5/KS5
SEG6/KS6
SEG7/KS7
SEG8/KS8
GRID6
K2 20
K1 19
CLK 18
DIO 17
VDD 16
GRID1 15
GRID2 14
GRID3 13
GRID4 12
GRID5 11
SEG[1..8]
GRID[1..6]
VCC
CLK
DIO
K2
U2
TP4056-ESOP-8
TEMP 1
PROG 2
GND 3
VCC 4
CE 8
CHRG 7
STDBY 6
BAT 5
PROG
GND
PWR_FLAG
R11
0.33R
VCC
U1
STC8G1K08A-8PIN-35x-SOP8
ADC3 8
ADC2 7
VCC 2
GND 4
P3.3/ADC3/TxD_2/INT1/SDA
P3.2/ADC2/RxD_2/INT0/SCL
Vcc/AVcc
Gnd/AGnd
ADC1/TxD/P3.1
ADC0/RxD/INT6/P3.0
RxD_3/SCL_2/INT2/ADC4/RST/P5.4
TxD_3/SDA_2/INT3/ADC5/P5.5
6 P3.1
5 P3.0
1 ADC4
3 CE
SW1
SW_Push
开始/停止充电
SEG3
SW2
SW_Push
温度/输入/电池电压
SEG2
SW3
SW_Push
亮度
SEG1
K2
R1
4.7k
D1
LED_RED
CHRG
D2
LED_GREEN
STDBY
VCC
VCC
R2
10k
R3
750R
ADC4
C1
10nF
TH1
Thermistor_NTC
GND
VCC
R8
22k
R10
750R
ADC3
C2
10nF
R9
22k
GND
BAT
R13 R15
22k 750R
ADC2
C4
10nF
R14
22k
GND
BT1
Battery_Cell
C3
10uF
GND
BAT
P3.1
DIO
P3.0
CLK
R12
2k
GND
PROG
VCC
R16
4.7k
D3
LED_RED
GND
GND
VCC
P3.1
P3.0
J2
Conn_01x04
VCC
PWR_FLAG
GND
PWR_FLAG
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Date:
Rev:
KiCad E.D.A. kicad 7.0.7
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