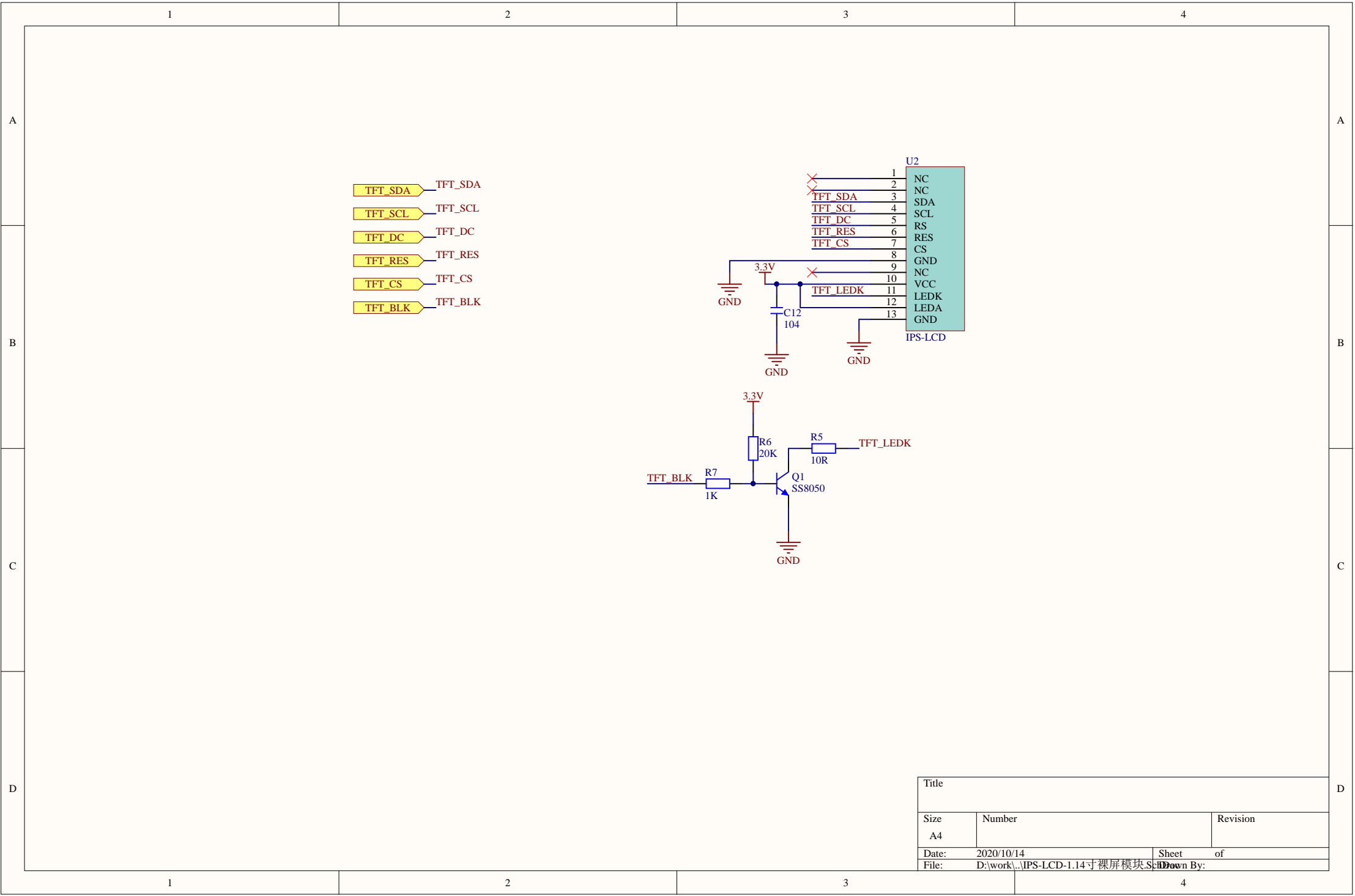
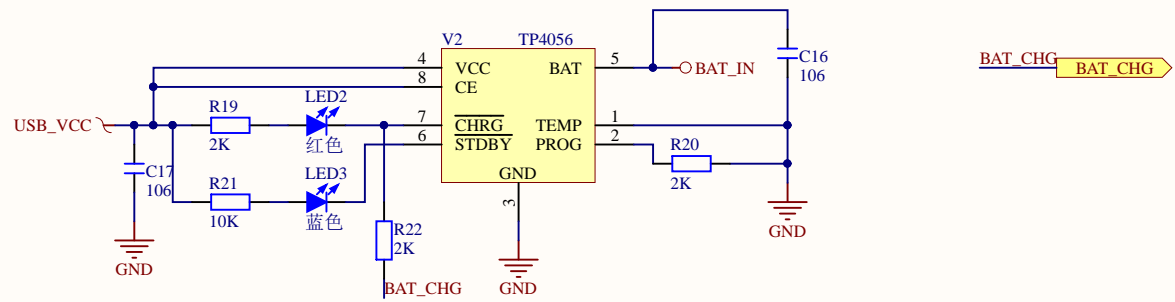


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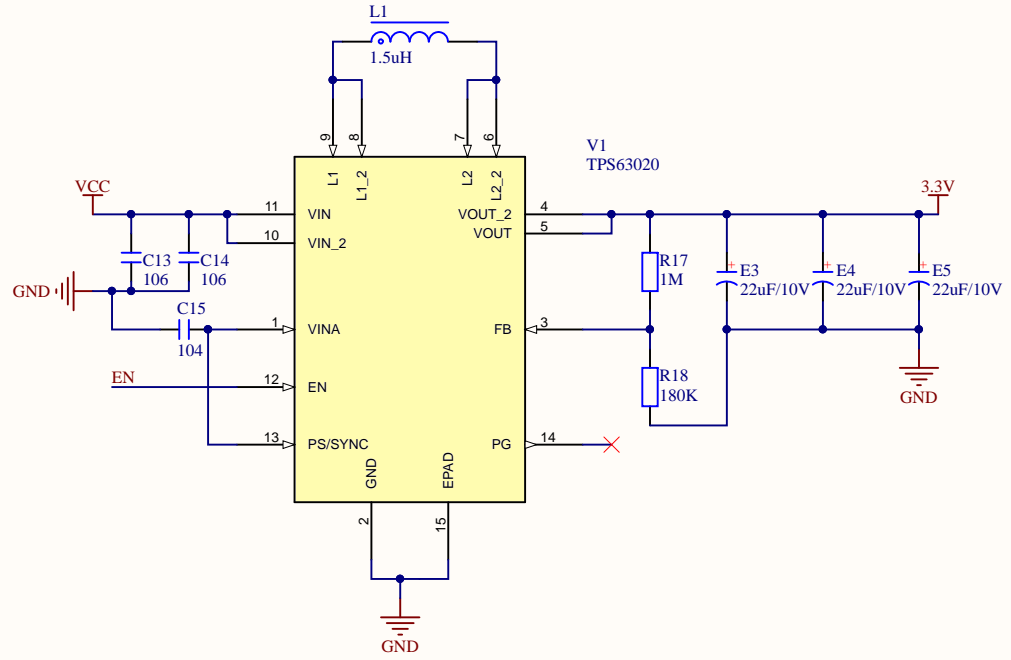


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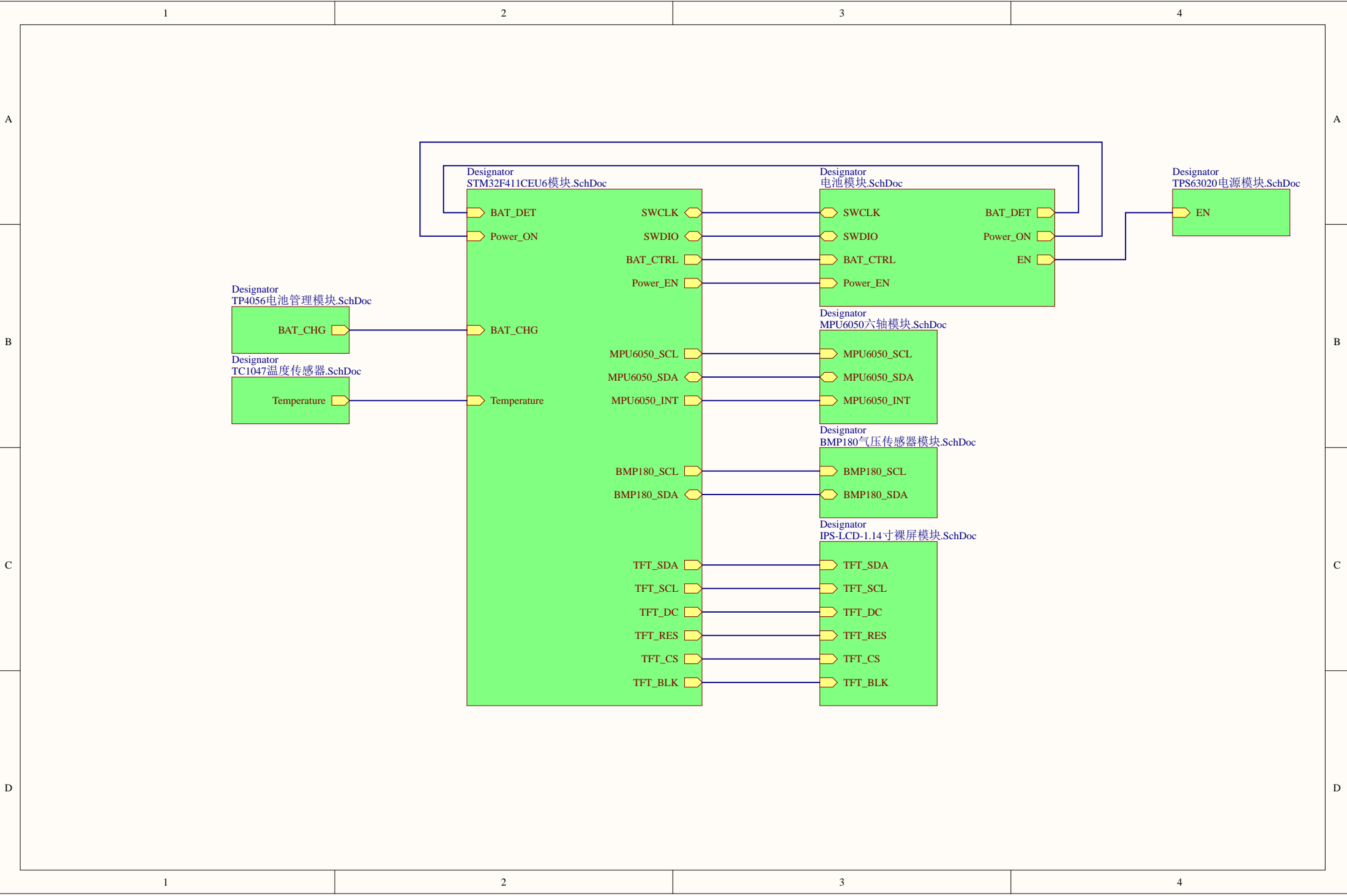


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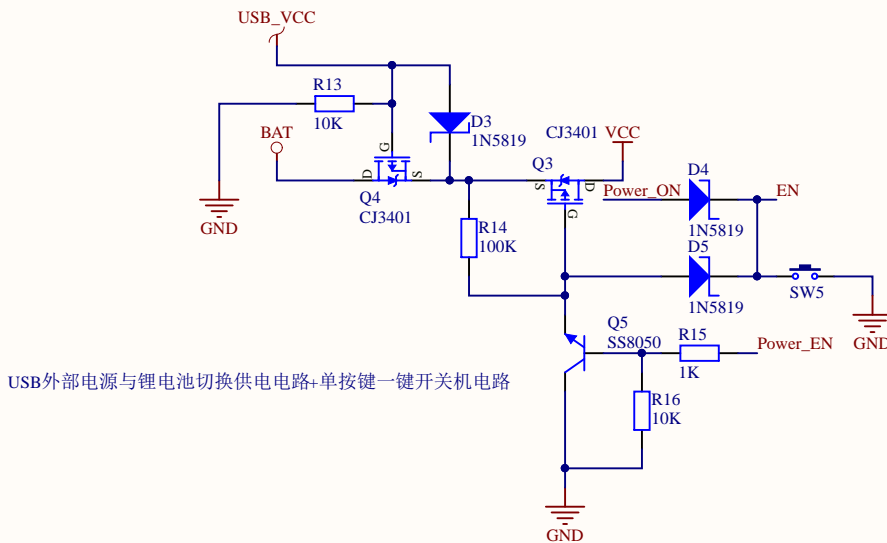
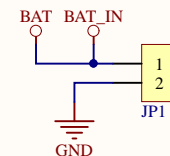
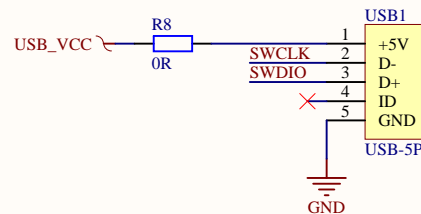
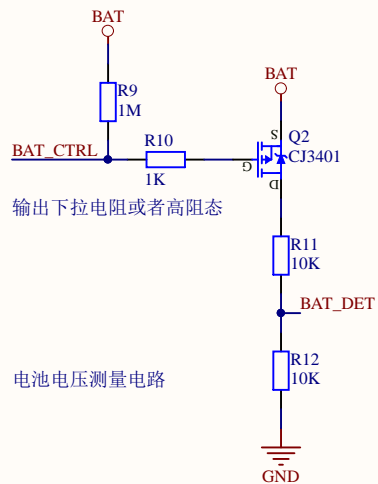


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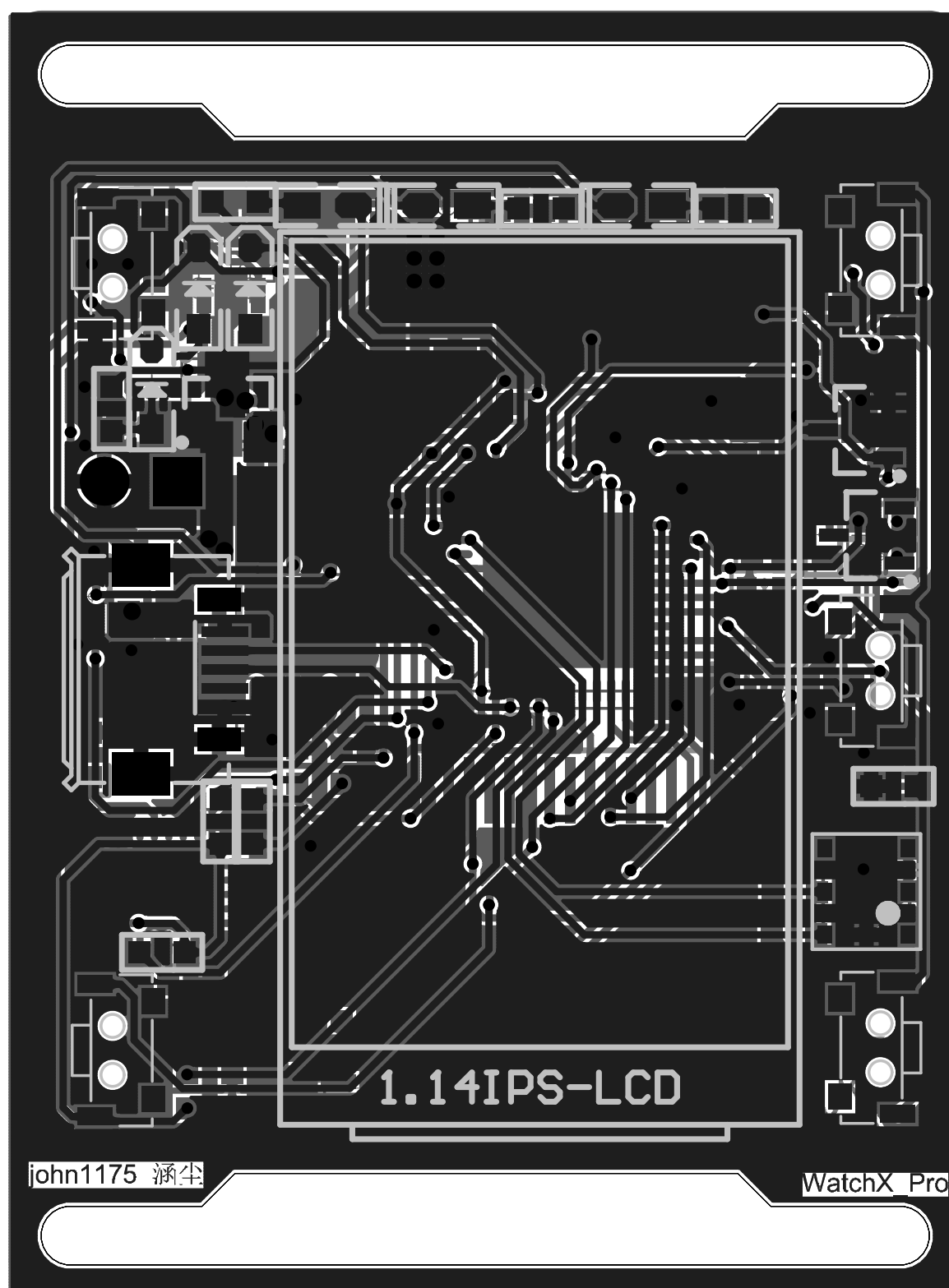


SWCLK SWCLK
SWDIO SWDIO
BAT_CTRL BAT_CTRL
Power_EN Power_EN

BAT_DET BAT_DET
Power_ON Power_ON
EN EN



| Title | | |
|-------|--------------------------------|-----------|
| Size | Number | Revision |
| A4 | | |
| Date: | 2020/10/14 | Sheet of |
| File: | D:\work\PCB\AD\WatchX_Pro\电池模块 | Drawn By: |



john1175 涵尘

WatchX Pro

| Comment | Description | Designator | Footprint | LibRef | Quantity |
|----------------|------------------|---------------------|--------------------|----------------|----------|
| 22pF | 无极性贴片电容 | C1, C2, C4, C5 | C 0402_M | C | 4 |
| 104 | 无极性贴片电容 | C3, C6, C7, C8, C9, | C 0603_L | C | 11 |
| 105 | 无极性贴片电容 | C10 | C 0402_M | C | 1 |
| 106 | 无极性贴片电容 | C13, C14, C16, C17 | C 0603_L | C | 4 |
| 2.2nF | 无极性贴片电容 | C18 | C 0603_L | C | 1 |
| 1N5819 | 肖特基二极管 | D1, D3, D4, D5 | SOD-323 | 1N5819 | 4 |
| MM3Z3V6 | 3.6V/0.3W稳压管 | D2 | SOD-323 | MM3Z3V6 | 1 |
| 4.7uF/16V | 贴片钽电容 | E1, E2 | CD A(3216) | C-CD | 2 |
| 22uF/10V | 贴片钽电容 | E3, E4, E5 | CD A(3216) | C-CD | 3 |
| TC1047/TC1047A | 温度传感器 温度= | IC1 | SOT23-3L | TC1047/TC1047A | 1 |
| HDR-1X2 | 2P接插件 | JP1 | HDR2.54-LI-2P | Header 2 | 1 |
| 1.5uH | 贴片功率电感 | L1 | SMD,4.75x4.45x2mm | L-CD | 1 |
| 绿色 | 贴片LED | LED1 | LED 0603G | LED-SMD | 1 |
| 红色 | 贴片LED | LED2 | LED 0603R | LED-SMD | 1 |
| 蓝色 | 贴片LED | LED3 | LED 0603B | LED-SMD | 1 |
| SS8050 | 高频放大-NPN型 | Q1, Q5 | SOT23-3N | 8050-SMD | 2 |
| CJ3401 | P沟道 30V/4.2A | Q2, Q3, Q4 | SOT23-3L | CJ3401 | 3 |
| 1K | 贴片电阻 | R1, R3, R7, R10, R1 | R 0603_L | R | 5 |
| 0R | 贴片电阻 | R2, R8 | R 0603_L | R | 2 |
| 47K | 贴片电阻 | R4 | R 0603_L | R | 1 |
| 10R | 贴片电阻 | R5 | R 0603_L | R | 1 |
| 20K | 贴片电阻 | R6 | R 0603_L | R | 1 |
| 1M | 贴片电阻 | R9, R17 | R 0603_L | R | 2 |
| 10K | 贴片电阻 | R11, R12, R13, R16 | R 0603_L | R | 8 |
| 100K | 贴片电阻 | R14 | R 0603_L | R | 1 |
| 180K | 贴片电阻 | R18 | R 0603_L | R | 1 |
| 2K | 贴片电阻 | R19, R20, R22 | R 0603_L | R | 3 |
| 4.7K | 贴片电阻 | R26, R27 | R 0603_L | R | 2 |
| 3x6x5 | 3x6轻触开关 | SW1, SW2, SW3, SW | TSW 4.6*1.82*3.5-3 | TSW 3x6 | 5 |
| STM32F411CEU6 | ARM Cortex-M4 32 | U1 | QFN48 7X7_N | STM32F411CEU6 | 1 |
| IPS-LCD | IPS-LCD-1.14寸裸 | U2 | 1.14IPS-LCD | IPS-LCD-1.14 | 1 |
| MPU6050 | 数字运动传感器 | U3 | QFN24 4x4_L | MPU6050 | 1 |
| BMP180 | 气压传感器Pressure | U4 | LGA-7 | BMP180 | 1 |
| USB-5P | 微型USB母座 | USB1 | USB-MICRO_A | USB-5P | 1 |
| TPS63020 | 单电感器降压/升压 | V1 | VSON - 14 | TPS63020 | 1 |
| TP4056 | 锂电池充电管理 | V2 | SOP8_L | TP4056 | 1 |
| 32.768kHz | 2脚无源脚晶振 | X1 | OSC 1016-2P | XTAL-2P | 1 |
| 25MHz | MC系列4脚晶振 | X2 | OSC 1612-4P | XTAL-MC-4P | 1 |