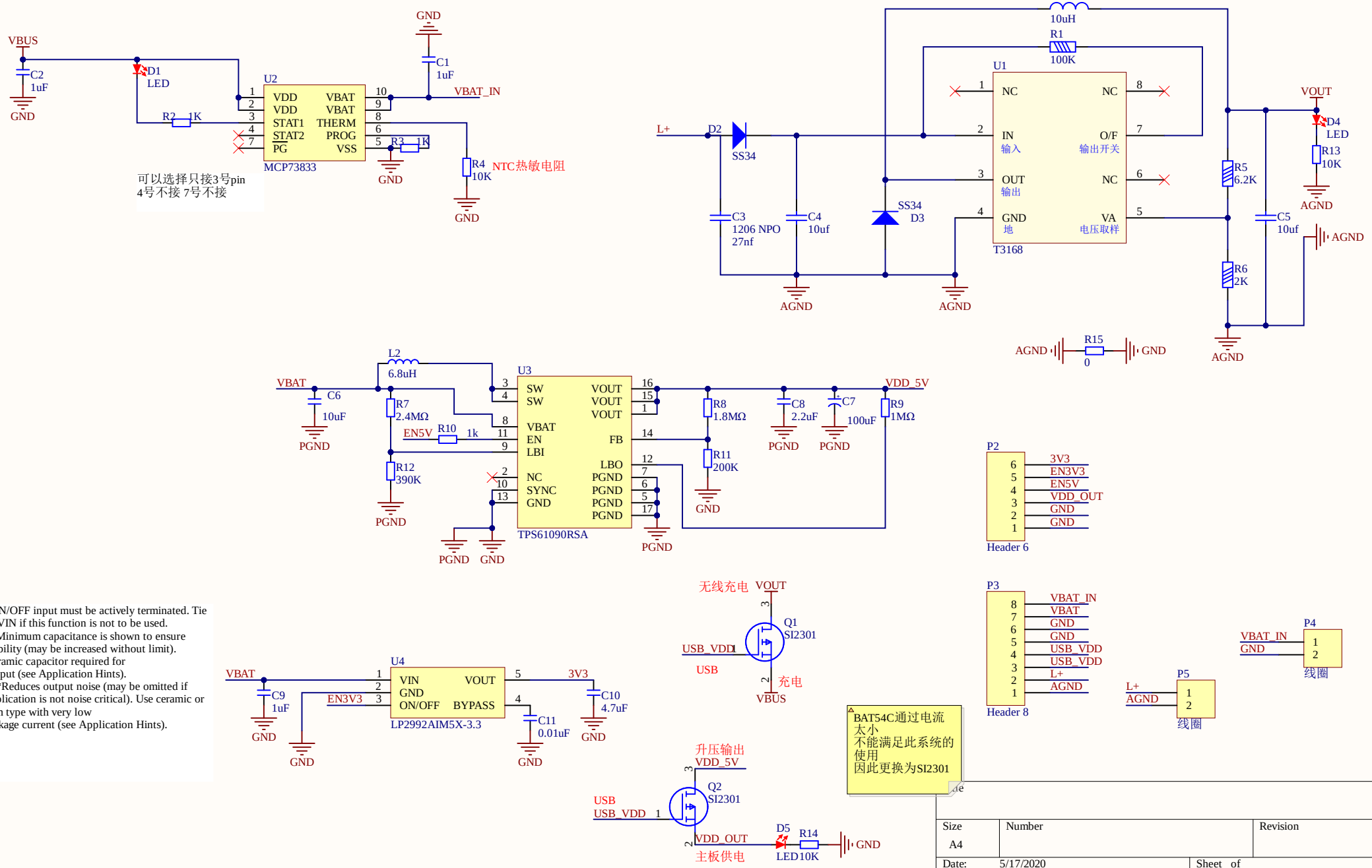
VBUS
C2
1uF
GND
D1
LED
R2 1K
U2
VDD
VDD
STAT1
STAT2
PG
VBAT
VBAT
THERM
PROG
VSS
MCP73833
GND
C1
1uF
VBAT_IN
R3 1K
GND
R4
10K
NTC热敏电阻
GND
可以选择只接3号pin
4号不接 7号不接
L1
10uH
R1
100K
U1
NC
IN
输入
OUT
输出
GND
地
NC
O/F
输出开关
NC
VA
电压取样
T3168
L+
D2
SS34
C3
1206 NPO
27nf
C4
10uf
SS34
D3
AGND
AGND
VOUT
D4
LED
R13
10K
AGND
R5
6.2K
C5
10uf
AGND
R6
2K
AGND
AGND
R15
0
GND
L2
6.8uH
VBAT
C6
10uF
PGND
R7
2.4MΩ
EN5V
R10
1k
R12
390K
PGND
U3
SW
SW
VBAT
EN
LBI
NC
SYNC
GND
VOUT
VOUT
VOUT
FB
LBO
PGND
PGND
PGND
PGND
TPS61090RSA
PGND
GND
PGND
R8
1.8MΩ
R11
200K
GND
C8
2.2uF
PGND
C7
100uF
PGND
VDD_5V
R9
1MΩ
P2
3V3
EN3V3
EN5V
VDD_OUT
GND
GND
Header 6
*ON/OFF input must be actively terminated. Tie to VIN if this function is not to be used.
**Minimum capacitance is shown to ensure stability (may be increased without limit).
Ceramic capacitor required for output (see Application Hints).
***Reduces output noise (may be omitted if application is not noise critical). Use ceramic or film type with very low leakage current (see Application Hints).
VBAT
C9
1uF
GND
EN3V3
U4
VIN
GND
ON/OFF
VOUT
BYPASS
LP2992AIM5X-3.3
3V3
C10
4.7uF
GND
C11
0.01uF
GND
无线充电
VOUT
Q1
SI2301
USB_VDD
USB
充电
VBUS
升压输出
VDD_5V
Q2
SI2301
USB
USB_VDD
VDD_OUT
主板供电
D5
LED
R14
10K
GND
BAT54C通过电流太小
不能满足此系统的使用
因此更换为SI2301
P3
VBAT_IN
VBAT
GND
GND
USB_VDD
USB_VDD
L+
AGND
Header 8
P4
VBAT_IN
GND
线圈
P5
L+
AGND
线圈
Size
A4
Number
Revision
Date: 5/17/2020
File: E:\1_yang\..\POWER.SchDoc
Sheet of
Drawn By: