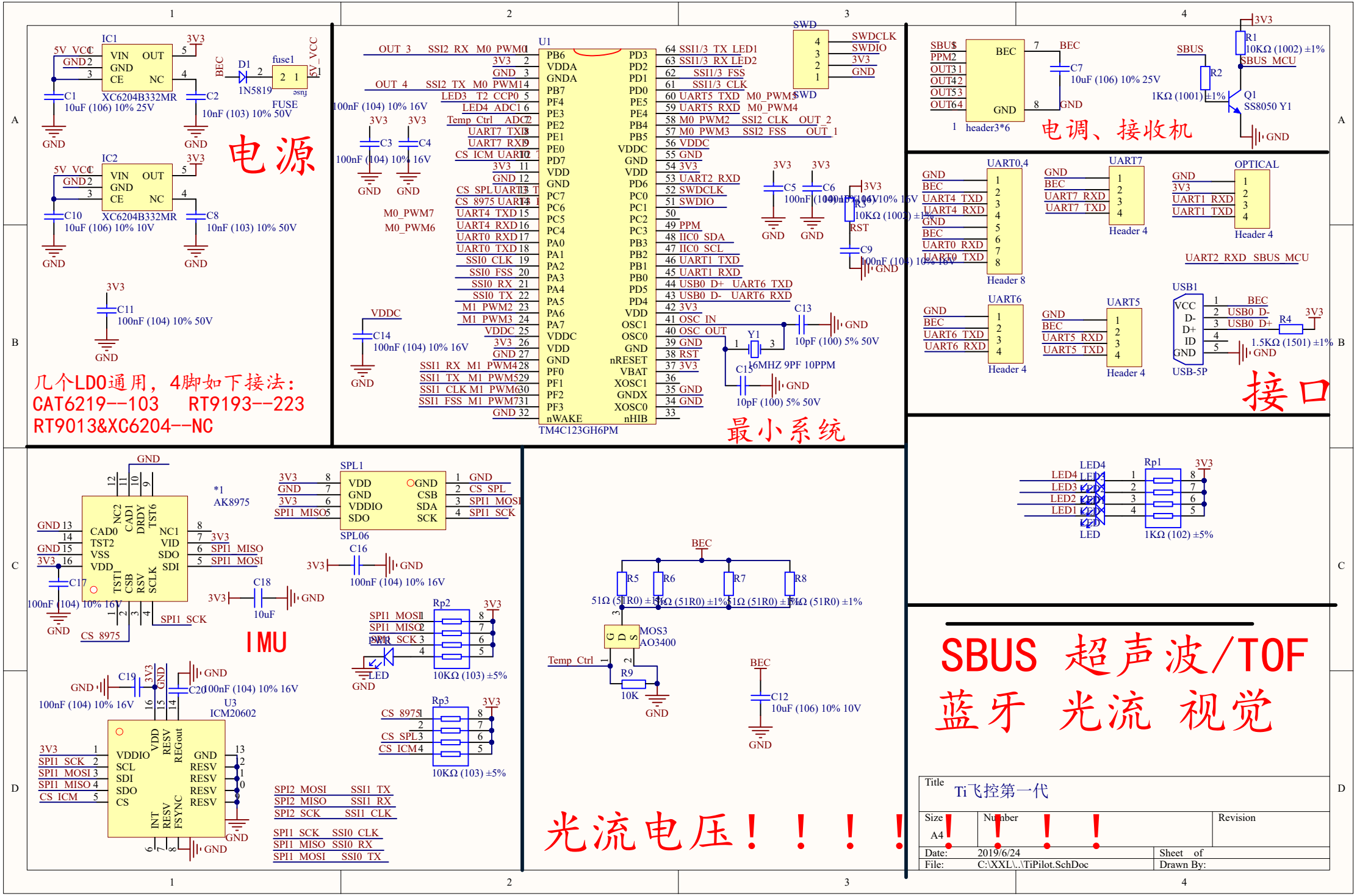
电源
IC1
XC6204B332MR
IC2
XC6204B332MR
D1
1N5819
fuse1
FUSE
5V_VCC
BEC
3V3
GND
C1 10uF (106) 10% 25V
C2 10nF (103) 10% 50V
C10 10uF (106) 10% 10V
C8 10nF (103) 10% 50V
C11 100nF (104) 10% 50V
几个LDO通用，4脚如下接法：
CAT6219--103 RT9193--223
RT9013&XC6204--NC
U1
TM4C123GH6PM
最小系统
SWD
SWDCLK
SWDIO
C3 C4 100nF (104) 10% 16V
C5 C6 100nF (104) 10% 16V
R3 10KΩ (1002) ±1%
RST
C9 100nF (104) 10% 16V
C13 10pF (100) 5% 50V
Y1 16MHZ 9PF 10PPM
C15 10pF (100) 5% 50V
C14 100nF (104) 10% 16V
VDDC
M0_PWM7
M0_PWM6
电调、接收机
SBUS
PPM
OUT3
OUT4
OUT5
OUT6
BEC
GND
header3*6
C7 10uF (106) 10% 25V
R1 10KΩ (1002) ±1%
R2 1KΩ (1001) ±1%
SBUS_MCU
Q1 SS8050 Y1
接口
UART0,4
UART7
OPTICAL
UART6
UART5
USB1
USB-5P
Header 8
Header 4
UART2_RXD_SBUS_MCU
R4 1.5KΩ (1501) ±1%
IMU
*1
AK8975
SPL1
SPL06
C16 100nF (104) 10% 16V
C17 100nF (104) 10% 16V
C18 10uF
CS_8975
C19 100nF (104) 10% 16V
C20 100nF (104) 10% 16V
U3
ICM20602
Rp2
Rp3
10KΩ (103) ±5%
LED
PWR
SPI2_MOSI SSI1_TX
SPI2_MISO SSI1_RX
SPI2_SCK SSI1_CLK
SPI1_SCK SSI0_CLK
SPI1_MISO SSI0_RX
SPI1_MOSI SSI0_TX
光流电压！！！！
MOS3
AO3400
R5 R6 R7 R8
51Ω (51R0) ±1%
Temp_Ctrl
R9 10K
C12 10uF (106) 10% 10V
Rp1
1KΩ (102) ±5%
SBUS 超声波/TOF
蓝牙 光流 视觉
Title
Ti飞控第一代
Size
A4
Number
Revision
Date: 2019/6/24
File: C:\XXL\..\TiPilot.SchDoc
Sheet of
Drawn By: