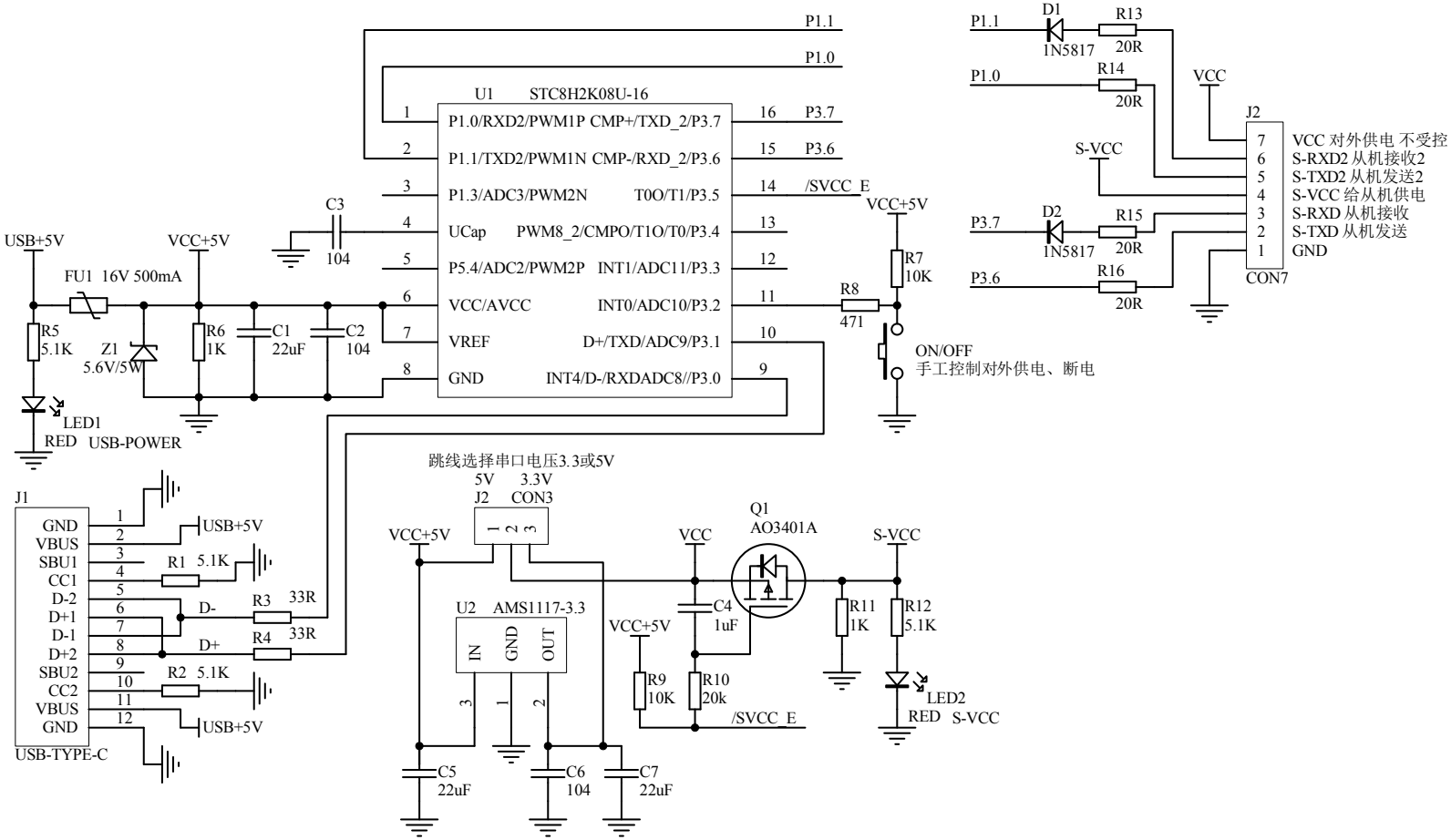
U1 STC8H2K08U-16
P1.0/RXD2/PWM1P CMP+/TXD_2/P3.7
P1.1/TXD2/PWM1N CMP-/RXD_2/P3.6
P1.3/ADC3/PWM2N T0O/T1/P3.5
UCap PWM8_2/CMPO/T1O/T0/P3.4
P5.4/ADC2/PWM2P INT1/ADC11/P3.3
VCC/AVCC INT0/ADC10/P3.2
VREF D+/TXD/ADC9/P3.1
GND INT4/D-/RXDADC8//P3.0
P1.1
P1.0
P3.7
P3.6
/SVCC_E
USB+5V
VCC+5V
FU1 16V 500mA
R5 5.1K
Z1 5.6V/5W
R6 1K
C1 22uF
C2 104
C3 104
LED1 RED USB-POWER
R7 10K
R8 471
ON/OFF
手工控制对外供电、断电
D1 1N5817
D2 1N5817
R13 20R
R14 20R
R15 20R
R16 20R
VCC
S-VCC
J2 CON7
VCC 对外供电 不受控
S-RXD2 从机接收2
S-TXD2 从机发送2
S-VCC 给从机供电
S-RXD 从机接收
S-TXD 从机发送
GND
J1 USB-TYPE-C
GND VBUS SBU1 CC1 D-2 D+1 D-1 D+2 SBU2 CC2 VBUS GND
R1 5.1K
R2 5.1K
R3 33R
R4 33R
D-
D+
跳线选择串口电压3.3或5V
5V 3.3V
J2 CON3
U2 AMS1117-3.3
IN GND OUT
C4 1uF
C5 22uF
C6 104
C7 22uF
Q1 AO3401A
R9 10K
R10 20k
R11 1K
R12 5.1K
LED2 RED S-VCC