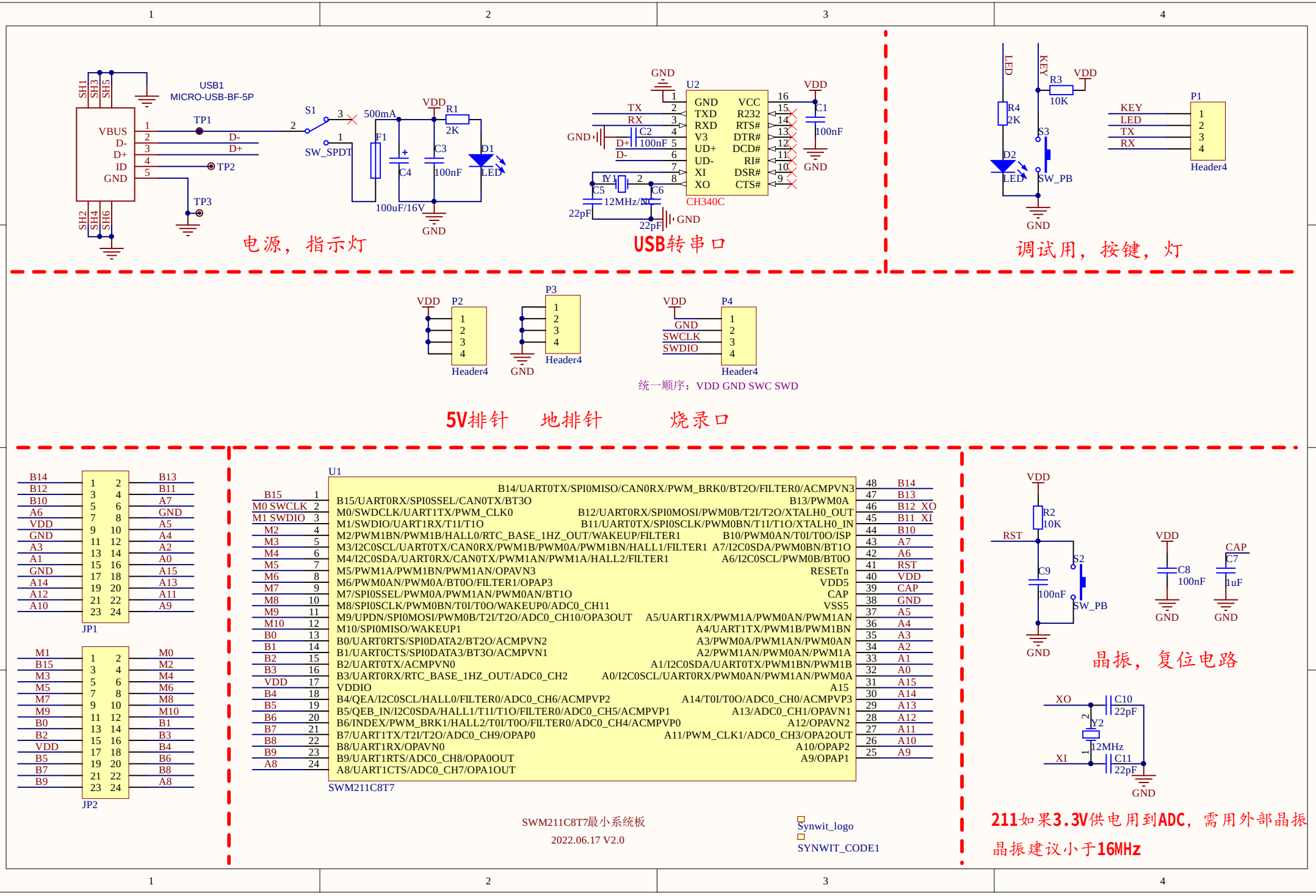
USB1
MICRO-USB-BF-5P
VBUS
D-
D+
ID
GND
TP1
TP2
TP3
S1
SW_SPDT
500mA
F1
VDD
R1
2K
C4
C3
100nF
D1
LED
100uF/16V
GND
电源，指示灯
U2
CH340C
TX
RX
D+
D-
C2
100nF
Y1
12MHz
C5
C6
22pF
C1
100nF
VCC
R232
RTS#
DTR#
DCD#
RI#
DSR#
CTS#
XI
XO
USB转串口
LED
KEY
R3
10K
R4
2K
D2
S3
SW_PB
P1
Header4
调试用，按键，灯
P2
P3
P4
SWCLK
SWDIO
统一顺序：VDD GND SWC SWD
5V排针
地排针
烧录口
JP1
JP2
U1
SWM211C8T7
B14/UART0TX/SPI0MISO/CAN0RX/PWM_BRK0/BT2O/FILTER0/ACMPVN3
B15/UART0RX/SPI0SSEL/CAN0TX/BT3O
M0/SWDCLK/UART1TX/PWM_CLK0
M1/SWDIO/UART1RX/T1I/T1O
M2/PWM1BN/PWM1B/HALL0/RTC_BASE_1HZ_OUT/WAKEUP/FILTER1
M3/I2C0SCL/UART0TX/CAN0RX/PWM1B/PWM0A/PWM1BN/HALL1/FILTER1
M4/I2C0SDA/UART0RX/CAN0TX/PWM1AN/PWM1A/HALL2/FILTER1
M5/PWM1A/PWM1BN/PWM1AN/OPAVN3
M6/PWM0AN/PWM0A/BT0O/FILTER1/OPAP3
M7/SPI0SSEL/PWM0A/PWM1AN/PWM0AN/BT1O
M8/SPI0SCLK/PWM0BN/T0I/T0O/WAKEUP0/ADC0_CH11
M9/UPDN/SPI0MOSI/PWM0B/T2I/T2O/ADC0_CH10/OPA3OUT
M10/SPI0MISO/WAKEUP1
B0/UART0RTS/SPI0DATA2/BT2O/ACMPVN2
B1/UART0CTS/SPI0DATA3/BT3O/ACMPVN1
B2/UART0TX/ACMPVN0
B3/UART0RX/RTC_BASE_1HZ_OUT/ADC0_CH2
VDDIO
B4/QEA/I2C0SCL/HALL0/FILTER0/ADC0_CH6/ACMPVP2
B5/QEB_IN/I2C0SDA/HALL1/T1I/T1O/FILTER0/ADC0_CH5/ACMPVP1
B6/INDEX/PWM_BRK1/HALL2/T0I/T0O/FILTER0/ADC0_CH4/ACMPVP0
B7/UART1TX/T2I/T2O/ADC0_CH9/OPAP0
B8/UART1RX/OPAVN0
B9/UART1RTS/ADC0_CH8/OPA0OUT
A8/UART1CTS/ADC0_CH7/OPA1OUT
B13/PWM0A
B12/UART0RX/SPI0MOSI/PWM0B/T2I/T2O/XTALH0_OUT
B11/UART0TX/SPI0SCLK/PWM0BN/T1I/T1O/XTALH0_IN
B10/PWM0AN/T0I/T0O/ISP
A7/I2C0SDA/PWM0BN/BT1O
A6/I2C0SCL/PWM0B/BT0O
RESETn
VDD5
CAP
VSS5
A5/UART1RX/PWM1A/PWM0AN/PWM1AN
A4/UART1TX/PWM1B/PWM1BN
A3/PWM0A/PWM1AN/PWM0AN
A2/PWM1AN/PWM0AN/PWM1A
A1/I2C0SDA/UART0TX/PWM1BN/PWM1B
A0/I2C0SCL/UART0RX/PWM0AN/PWM1AN/PWM0A
A15
A14/T0I/T0O/ADC0_CH0/ACMPVP3
A13/ADC0_CH1/OPAVN1
A12/OPAVN2
A11/PWM_CLK1/ADC0_CH3/OPA2OUT
A10/OPAP2
A9/OPAP1
SWM211C8T7最小系统板
2022.06.17 V2.0
Synwit_logo
SYNWIT_CODE1
R2
10K
C9
100nF
S2
SW_PB
C8
100nF
C7
1uF
CAP
晶振，复位电路
C10
22pF
Y2
12MHz
C11
22pF
211如果3.3V供电用到ADC，需用外部晶振
晶振建议小于16MHz