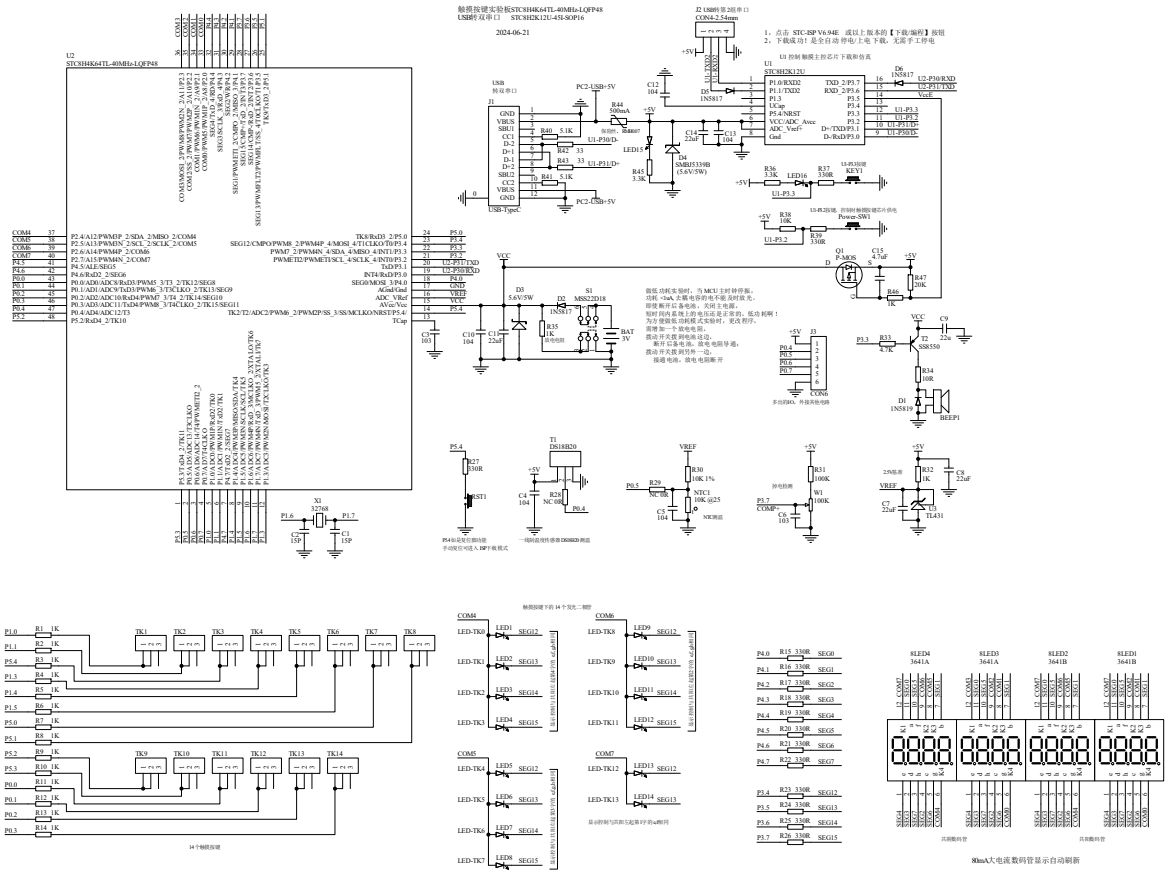
触摸按键实验板STC8H8K64TL-40MHz-LQFP48
USB转双串口 STC8H2K12U-4TS-SOP16
2024-06-21
1，点击 STC-ISP V6.94E 或以上版本的【下载/编程】按钮
2，下载成功！是全自动 停电/上电 下载，无需手工停电
U3 控制 触摸主控芯片 下载和仿真
U2
STC8H8K64TL-40MHz-LQFP48
J2 USB转第2组串口
CON4-2.54mm
U1
STC8H2K12U
USB
转双串口
J1
USB-TypeC
LED15
LED16
Power-SW1
KEY1
BEEP1
T1
DS18B20
T2
8S8550
T3
TL431
Q1
P-MOS
D1
1N5819
D3
5.6V/5W
D4
SMBJ5339B
(5.6V/5W)
D5
1N5817
D6
1N5817
S1
MSS22018
BAT
3V
NTC1
10K @25
NTC测温
VCC
GND
VREF
TXD
RXD
TXD_2/P5.7
RXD_2/P5.6
P3.5
P3.4
P3.3
P3.2
D+/TXD/P3.1
D-/RxD/P3.0
U2-P30/RXD
U2-P31/TXD
U1-P3.3
U1-P3.2
U1-P30/D-
U1-P31/D+
U1-P3.1/D-
U1-P3.0/D+
P2.4/A12/PWM3P_2/SDA_2/MISO_2/COM4
P2.5/A13/PWM3N_2/SCL_2/SCLK_2/COM5
P2.6/A14/PWM4P_2/COM6
P2.7/A15/PWM4N_2/COM7
P4.5/ALE/SEG5
P4.6/RxD2_2/SEG6
P0.0/AD0/ADC8/RxD3/PWM5_3/T3_2/TK12/SEG8
P0.1/AD1/ADC9/TxD3/PWM6_3/T3CLKO_2/TK13/SEG9
P0.2/AD2/ADC10/RxD4/PWM7_3/T4_2/TK14/SEG10
P0.3/AD3/ADC11/TxD4/PWM8_3/T4CLKO_2/TK15/SEG11
P0.4/AD4/ADC12/T3
P5.2/RxD4_2/TK10
TK8/RxD3_2/P5.0
SEG12/CMPO/PWM8_2/PWM4P_4/MOSI_4/T1CLKO/T0/P3.4
PWM7_2/PWM4N_4/SDA_4/MISO_4/INT1/P3.3
PWMETI2/PWMETI/SCL_4/SCLK_4/INT0/P3.2
TxD/P3.1
INT4/RxD/P3.0
SEG0/MOSI_3/P4.0
AGnd/Gnd
ADC_VRef
AVcc/Vcc
TK2/T2/ADC2/PWM6_2/PWM2P/SS_3/SS/MCLKO/NRST/P5.4
TCap
P1.6
P1.7
X3
32768
C2
15P
C1
15P
RST1
P5.4
R27
330R
C4
104
R28
NC 0R
P0.4
R29
NC 0R
P0.5
R30
10K 1%
C5
104
VREF
R31
100K
W1
100K
C6
103
P5.2
COMP+
R32
1K
C7
22uF
2.5V基准
R12
1K
C2
22uF
R33
4.7K
R34
10R
D1
1N5819
C9
22u
R36
3.3K
R37
330R
R38
10K
R39
330R
R45
3.3k
R46
1K
R47
20K
C15
4.7uF
C14
22uF
C13
104
C12
104
R44
500mA
C10
104
C11
22uF
C3
103
R35
1K
CON6
多台时BIG，外接其他电路
P3.3
U1-P3.2
U1-P3.3
U1-P30触摸
U1-P31触摸
U3-P3.2触摸
控制U3触摸键芯片供电
P0.4
P0.5
P0.6
P0.7
J1
R40 5.1K
R41 5.1K
R42 33
R43 33
U1-P30/D-
U1-P31/D+
P5.4
R27 330R
RST1
P5.4如设为复位脚功能
手动按住+5进入 ISP下载模式
T1
DS18B20
R28
NC 0R
C4
104
P0.4
一组封装为传感器 DS18B20 两款
VREF
R29
NC 0R
R30
10K 1%
C5
104
P0.5
NTC1
10K @25
NTC测温
R31
100K
W1
100K
C6
103
P5.2
COMP+
2.5V基准
R12
1K
C2
22uF
C7
22uF
TL431
R33
4.7K
R34
10R
D1
1N5819
BEEP1
C9
22u
T2
8S8550