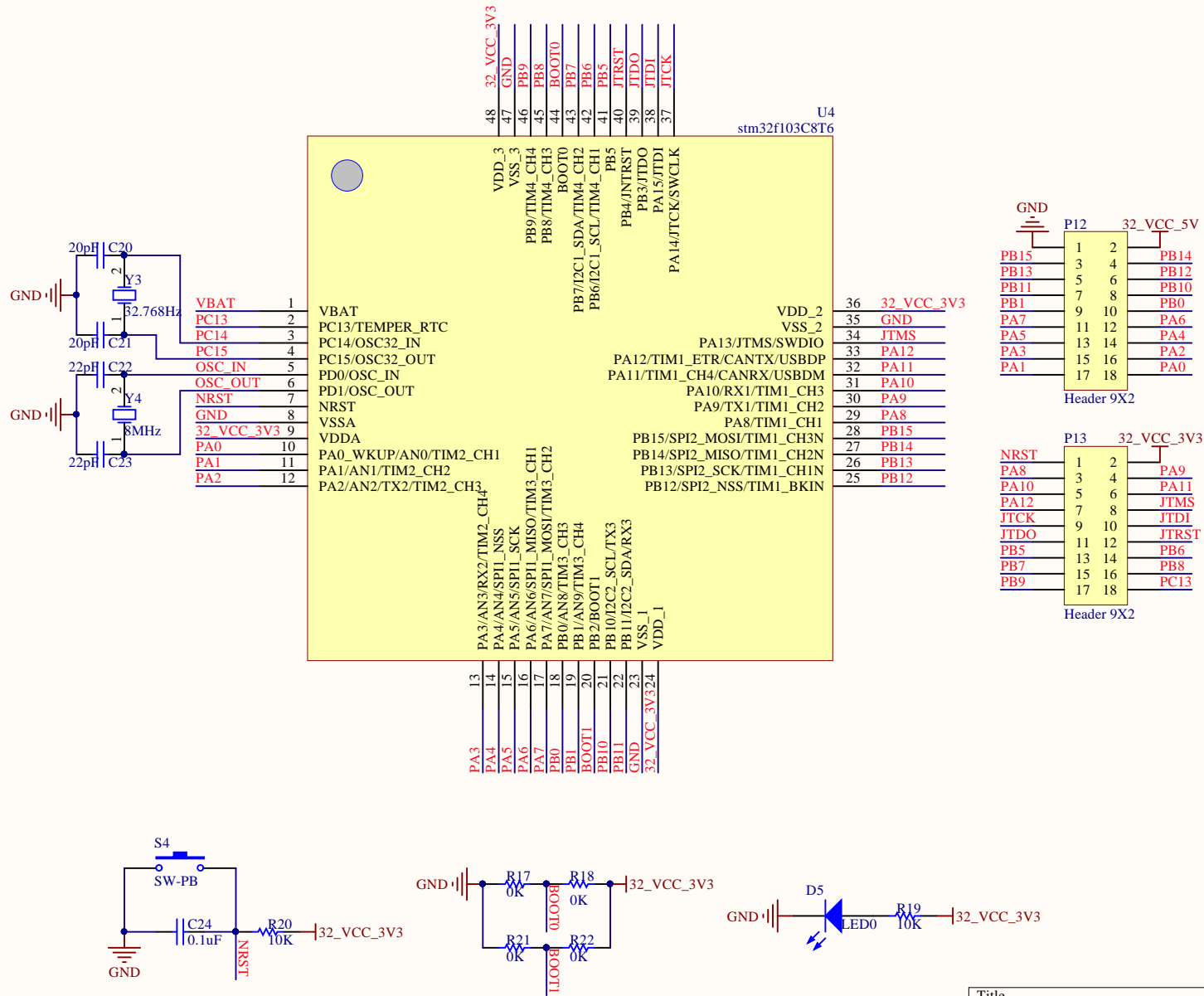


| | | | |
|------------|--------------------------------|-----------|----------|
| Title | | | |
| Size A4 | Number | | Revision |
| Date: | 2019/8/3 | Sheet of | |
| File: | C:\Users\...\main_board.SchDoc | Drawn By: | |



| Title | | |
|-------|---------------------------------|-----------|
| Size | Number | Revision |
| A4 | | |
| Date: | 2019/8/3 | Sheet of |
| File: | C:\Users\...\stm32_board.SchDoc | Drawn By: |

| Comment | Description | Designator | Footprint | LibRef | Quantity |
|---------------|--|--|------------|--|----------|
| | Capacitor, Capacitor, Capacitor, Capacitor, Capacitor, Capacitor, Capacitor, Capacitor, Capacitor, Capacitor, Capacitor, Capacitor, Capacitor, Capacitor, Capacitor, Capacitor, Resistor, Resistor, Resistor, Resistor, Resistor, Resistor, Resistor, Resistor, Resistor, Resistor | C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R19, R20 | 6-0805_N | Cap, Cap, Cap, Cap, Cap, Cap, Cap, Cap, Cap, Cap, Cap, Cap, Cap, Cap, Cap, Cap, Res2, Res2, Res1, Res1, Res1, Res1, Res1, Res2, Res1, Res2, Res2, Res2, Res2, Res2, Res1, Res1, Res1, Res1 | 42 |
| led | Typical INFRARED GaAs LED | D1, D2, D3, D4 | LED | LED0 | 4 |
| LED0 | Typical INFRARED GaAs LED | D5 | LED | LED0 | 1 |
| Header 9X2 | Header, 9-Pin, Dual row | P1, P2, P12, P13 | XDR2x9 | Header 9X2 | 4 |
| Header 2 | Header, 2-Pin | P3 | HDR1X2 | Header 2 | 1 |
| 0.96OLED | 接口 | P4 | OLED | 0.96OLED | 1 |
| Header 10X2 | Header, 10-Pin, Dual row | P5 | JLINK | Header 10X2 | 1 |
| | Header, 4-Pin | P6 | DHT11 | Header 4 | 1 |
| Header 9X2 | Header, 9-Pin, Dual row | P7, P10 | XDR2x9_S | Header 9X2 | 2 |
| Header 9X2 | Header, 9-Pin, Dual row | P8 | XDR2x9_L_1 | Header 9X2 | 1 |
| Header 7X2 | Header, 7-Pin, Dual row | P9 | XDR2X7 | Header 7X2 | 1 |
| Header 9X2 | Header, 9-Pin, Dual row | P11 | XDR2x9_L_2 | Header 9X2 | 1 |
| | Resistor | R17, R18, R21, R22 | 0402 | Res1 | 4 |
| RST | Switch | S1 | SPST-2 | SW-PB | 1 |
| | Switch | S2, S3 | SPST-2 | SW-PB | 2 |
| SW-PB | Switch | S4 | SPST-2 | SW-PB | 1 |
| C52 | | stc1 | LQFP44 | C52 | 1 |
| CH340G | | U1 | SOP-16 | CH340G | 1 |
| SC662K | | U2 | SOP23 | SC662K | 1 |
| ASM1117 | | U3 | SOT-223 | ASM1117 | 1 |
| stm32f103C8T6 | | U4 | LQFP48 | stm32f103C8T6 | 1 |
| USB | | USART1 | USB | USB | 1 |
| U? | | W1 | SO8_N | W25Q16 | 1 |
| 12M | Crystal Oscillator | Y1, Y2 | HC-49S | XTAL | 2 |
| 32.768Hz | Crystal Oscillator | Y3 | HDR1X2 | XTAL | 1 |
| 8MHz | Crystal Oscillator | Y4 | HC-49S | XTAL | 1 |