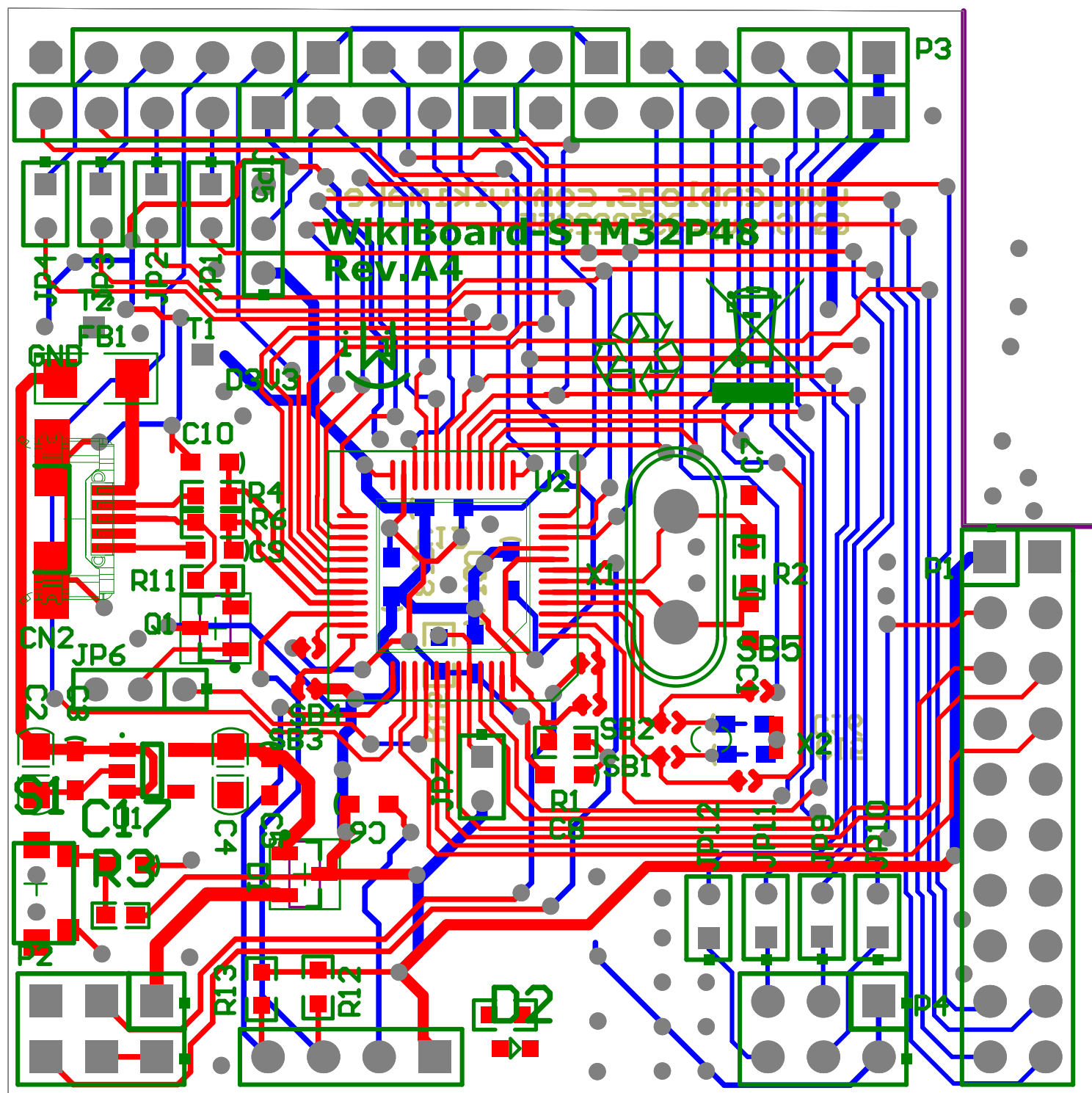


History  
Rev.A4  
\*P1 WIKIGPIO sch lib updated;  
\*add reset  
\*add gpio of 32k;  
\*cap sch lib replaced;  
Rev.A3  
\*32.768KHz add load capacitor description;

|                    |                                 |                |       |
|--------------------|---------------------------------|----------------|-------|
| Title              |                                 | Checked By     |       |
| WikiBoard-STM32P48 |                                 | Jacob          |       |
| Size<br>A3         | Number<br>SP-WikiBoard-STM32P48 | Revision<br>A4 |       |
| Date:              | 2015/9/12                       | Sheet of       | 1/1   |
| File:              | D:\wiki_1\STM32P48 SchDoc       | Drawn By       | Jacob |



| Comment         | Description   | Designator                                     | Footprint          | LibRef          | Quantity |
|-----------------|---|--|--------------------|-----------------|----------|
| 20pF            | Capacitor   | C1, C7   | C0603L             | Cap             | 2        |
| 10uF            | Capacitor   | C2, C4   | C0805              | Cap             | 2        |
| 100nF           | Capacitor   | C3, C5, C6, C11, C12, C13, C14                 | C0603L             | Cap             | 7        |
| 1uF             | Capacitor   | C8   | C0603L             | Cap             | 1        |
| 22pF            | Capacitor   | C9, C10  | C0603L             | Cap             | 2        |
| 6~10pF          | Capacitor   | C15, C16                                       | C0603L             | Cap             | 2        |
| 10uF            | Capacitor   | C17  | C0603L             | Cap             | 1        |
| HDR1x4          |   | CN1  | HDR1x4             | CON4            | 1        |
| USB-Micro       | USB-Micro   | CN2  | USB-MICRO-Lite     | USB-Micro       | 1        |
| BAT54C          | DOUBLE SHOTKEY DIODES   | D1   | BAT54C             | BAT54C          | 1        |
| LED1            | Typical RED GaAs LED  | D2   | 0603PN             | LED1            | 1        |
| NSMD050         | Ferrite Beads Inductors<br>Impedance:120Ω 25%<br>Rated Current:1500mA<br>DC Resistance:0.095Ω | FB1  | R1206              | FB              | 1        |
| Jumper2-2       | Jumper2   | JP1, JP2, JP3, JP4, JP7, JP9, JP10, JP11, JP12 | HDR1X2/2.00MM      | Jumper2-2       | 9        |
| Jumper3         | Jumper3   | JP5, JP6                                       | HDR1X3/2.00mm      | Jumper3         | 2        |
| WIKIGPIO-D      | Header, 9-Pin, Dual row   | P1   | WIKIGPIO-U         | WIKIGPIO-D      | 1        |
| WIKIPWR         | PWR HDR   | P2   | WIKIPWR            | WIKIPWR         | 1        |
| WIKIPRHL-R      | Header, 16-Pin, Dual row  | P3   | HDR2X16-WIKIPRHL-R | WIKIPRHL-R      | 1        |
| Header 3X2      | Header, 3-Pin, Dual row   | P4   | HDR2X3/2.54MM      | Header 3X2      | 1        |
| 8050            | NPN General Purpose Amplifier   | Q1   | SOT23-3L(123)      | 8050            | 1        |
| 10K             | Resistor  | R1, R12, R13, R15                              | R0603              |                 | 4        |
| 1M              | Resistor  | R2   | R0603              |                 | 1        |
| 10K             | Resistor  | R3   | 0603L              | Res2            | 1        |
| 22R             | Resistor  | R4, R6   | R0603              |                 | 2        |
| 1K5             | Resistor  | R11, R14                                       | R0603              |                 | 2        |
|                 | Switch  | S1   | KEY-2x4-SMD        | SW-PB           | 1        |
| Circuit Breaker | Circuit Breaker   | SB1, SB2, SB3, SB4, SB5, SB6, SB7, SB8         | JP2_SMD            | Circuit Breaker | 8        |
| TP              | Test Point  | T1, T2   | TP                 | TP              | 2        |
| LDO             | General LDO SOT23-5   | U1   | SOT23-5            | LDO-SOT23-5     | 1        |
| STM32F103CxT    | Cortex M3, 48-pin LQFP  | U2   | LQFP-48            | STM32F103CxT    | 1        |
| 8MHz            | Crystal   | X1   | XTAL_socket        | CRYSTAL         | 1        |
| 32KHz-6pF       | Crystal   | X2   | XTAL0602           | CRYSTAL         | 1        |
|                 |   |  |                    |                 |          |