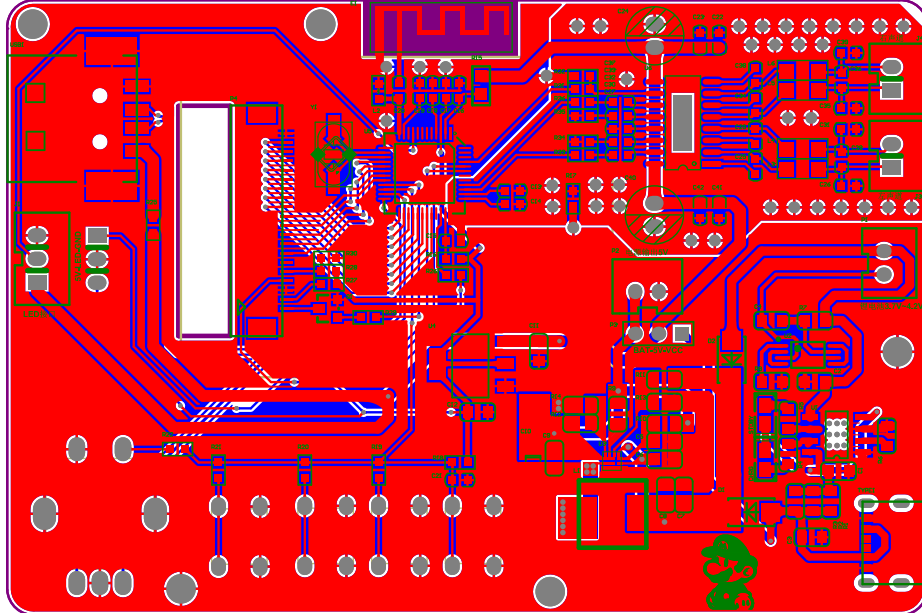


|  |                |             |                   |
|--|----------------|-------------|-------------------|
| Title *  |                |             | <div>Altium</div> |
| Size: A4   | Number:*       | Revision:*  |                   |
| Date: 2022/11/6  | Time: 23:52:06 | Sheet* of * |                   |
| File: E:\my_project\BLE_alarm_clock\1.Hardware\BMAC_Board\功放原理图.SchDoc |                |             |                   |



| Comment              | Description               | Designator   | Footprint             | LibRef               | Quantity |
|----------------------|---------------------------|--|-----------------------|----------------------|----------|
| Cap                  | Capacitor                 | C1, C2, C3, C4, C5, C6, C7, C8, C9, C11, C12   | 0805C                 | Cap                  | 11       |
| Cap2                 | Capacitor                 | C10  | C1206                 | Cap2                 | 1        |
| 105                  |                           | C13, C14, C15, C16, C17, C18, C19, C23, C25, C26, C29, C31, C32, C34, C35, C38, C39, C41 | C0603                 | CAP-0603             | 18       |
| 2.7P                 |                           | C20  | C0603                 | CAP-0603             | 1        |
| NC/100pF             |                           | C21  | C0603                 | CAP-0603             | 1        |
| 104                  |                           | C22, C42   | C0603                 | CAP-0603             | 2        |
| 220uF/25V            |                           | C24, C40   | EC2.5-6.3             | +CAP                 | 2        |
| 225                  |                           | C27, C30, C33, C37   | C0603                 | CAP-0603             | 4        |
| 474                  |                           | C28, C36   | C0603                 | CAP-0603             | 2        |
| RED                  | Typical INFRARED GaAs LED | CHRG   | LED-0805              | LED0                 | 1        |
| SS34                 | Default Diode             | D1, D2   | LC-SMA(DO-214AC)_S2   | Diode                | 2        |
| BT_ANT               |                           | E1   | 新F天线                  | BT_ANT               | 1        |
| LED                  | Connector                 | J1   | CON-3X2.54            | CON3                 | 1        |
| CON3                 | Connector                 | J2   | CON-3X2.54            | CON3                 | 1        |
| 喇叭                   | Connector                 | J3, J4   | CON-2X2.54            | CON2                 | 2        |
|                      |                           | K1, K2, K3, K4   | KEY                   | Key                  | 4        |
| Inductor             | Inductor                  | L1   | 电感SMD                 | Inductor             | 1        |
| NC                   |                           | L2   | L0603                 | L                    | 1        |
| 100R/10uH            |                           | L3, L4, L5, L6   | R1206                 | L                    | 4        |
| Header 2             | Header, 2-Pin             | P1, P2   | XH2.54-2              | Header 2             | 2        |
| Header 3             | Header, 3-Pin             | P3   | HDR1X3                | Header 3             | 1        |
| 串口彩屏                 |                           | P4   | FFC-P20-1MM           | LCD-20P              | 1        |
| S9014                |                           | Q1   | SOT23                 | NPN                  | 1        |
| Res2                 | Resistor                  | R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14                              | 0805R                 | Res2                 | 14       |
| 4R7                  |                           | R15  | R0805                 | RES-0603             | 1        |
| 4R7                  |                           | R16  | R0603                 | RES                  | 1        |
| 0R                   |                           | R17, R27   | R0603                 | RES-0603             | 2        |
| 22K                  |                           | R18  | R0603                 | RES-0603             | 1        |
| 3K                   |                           | R19, R28   | R0603                 | RES-0603             | 2        |
| 6.2K                 |                           | R20  | R0603                 | RES-0603             | 1        |
| 9.1K                 |                           | R21  | R0603                 | RES-0603             | 1        |
| 33K                  |                           | R22  | R0603                 | RES-0603             | 1        |
| 2R7                  |                           | R25  | R0603                 | RES                  | 1        |
| 1K                   |                           | R26, R33, R34, R35, R36  | R0603                 | RES-0603             | 5        |
| 10K                  |                           | R29, R30, R31, R32   | R0603                 | RES-0603             | 4        |
| 编码器                  | Connector                 | S1   | BMQ+PUSH              | CON7                 | 1        |
| GREEN                | Typical INFRARED GaAs LED | STDBY  | LED-0805              | LED0                 | 1        |
| TYPE-CF-6P-RAT-L6.8W |                           | TYPE1  | TYPE-CF-6P-RAT-L6.8W  | TYPE-CF-6P-RAT-L6.8W | 1        |
| TC4056A              |                           | U1   | SOP-8                 | TC4056A              | 1        |
| DW03D                |                           | U2   | LC-TSSOP-8_3x4.4x065P | DW03D                | 1        |
| SY7065               |                           | U3   | QFN2*2-10             | SY7065               | 1        |
| AMS1117-3.3          |                           | U4   | SOT-233               | AMS1117-3.3          | 1        |
| AC6951C              |                           | U5   | LQFP48                | AC6951C              | 1        |
| CS8676               |                           | U6   | SOP16-EP              | CS8676               | 1        |
| USB                  |                           | USB1   | USBSMT                | USB                  | 1        |
| HS-24M               |                           | Y1   | JZ                    | CRYSTAL              | 1        |