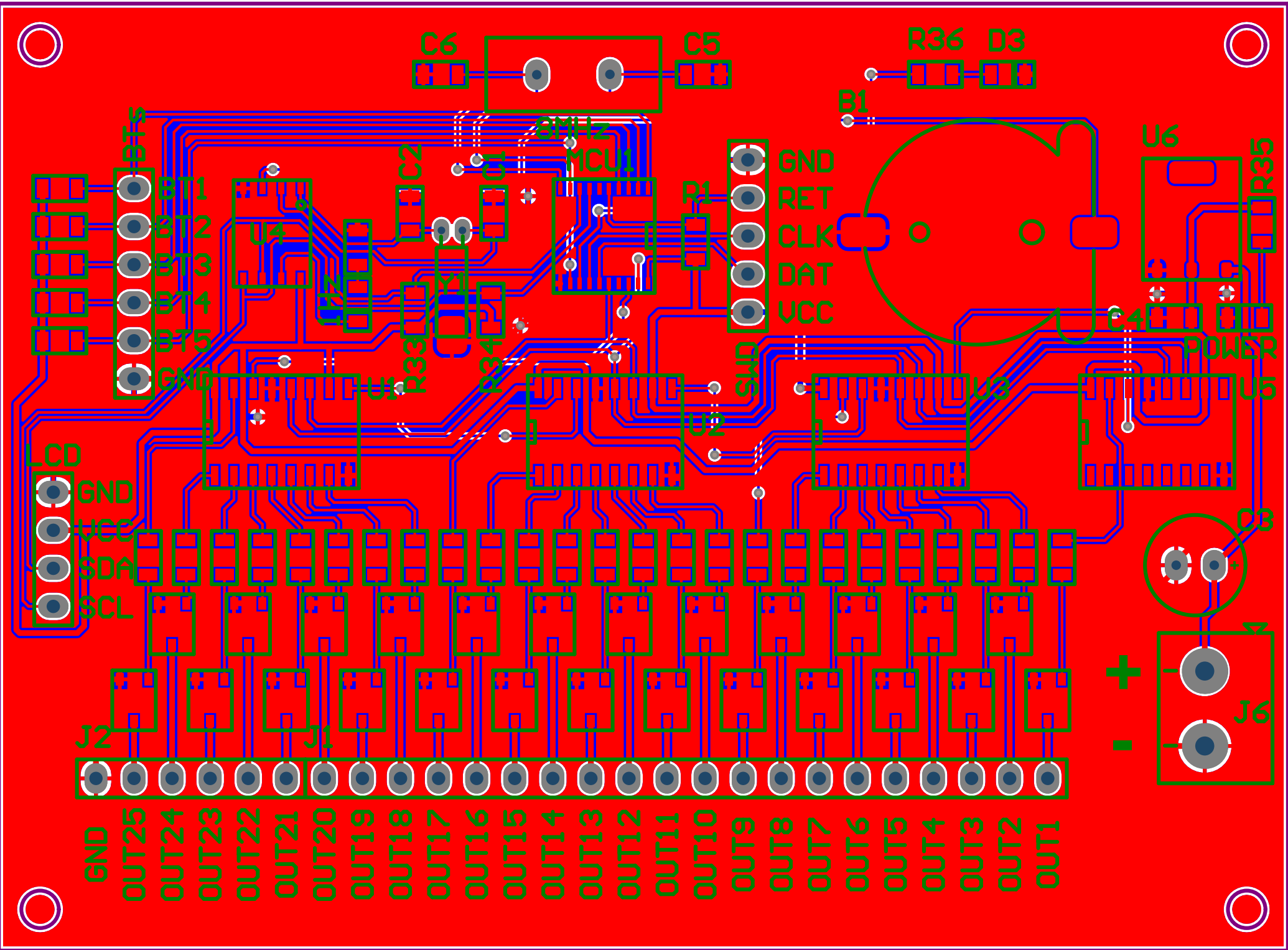


| Title |                                   |           |
|-------|-----------------------------------|-----------|
| Size  | Number                            | Revision  |
| A4    |                                   |           |
| Date: | 5/22/2022                         | Sheet of  |
| File: | D:\PROJECTS_2022\ControlBoard.Sch | Drawn By: |



| Comment              | Description                   | Designator  | Footprint                   | LibRef                        | Quantity |
|----------------------|-------------------------------|---|-----------------------------|-------------------------------|----------|
| Batery               |                               | B1  | CR1220                      | Batery                        | 1        |
| 104                  |                               | C1, C2, C4, C5, C6  | C0805                       | Capacitors(SMD)               | 5        |
| 10uF                 |                               | C3  | CAP_RAD_D06.3x11            | Capacitor(Radian)             | 1        |
| 1Hz                  |                               | D1  | L0805RED                    | LED0805                       | 1        |
| POWER                |                               | D2  | L0805RED                    | LED0805                       | 1        |
| TEST                 |                               | D3  | L0805RED                    | LED0805                       | 1        |
| HEADER-FEMALE-2.54MM |                               | J1  | HEADER-FEMALE-20PINS-2.54MM | HEADER-FEMALE-20PINS-2.54MM   | 1        |
| HEADER-FEMALE-2.54MM |                               | J2  | HEADER-FEMALE-06PINS-2.54MM | HEADER-FEMALE-06PINS-2.54MM   | 1        |
| LCD                  |                               | J3  | HEADER-FEMALE-04PINS-2.54MM | HEADER-FEMALE-04PINS-2.54MM   | 1        |
| BUTTON               |                               | J4  | HEADER-FEMALE-06PINS-2.54MM | HEADER-FEMALE-06PINS-2.54MM   | 1        |
| SWD                  |                               | J5  | HEADER-FEMALE-05PINS-2.54MM | HEADER-FEMALE-05PINS-2.54MM   | 1        |
| KF306                |                               | J6  | DG306-5.0-02P-12-00AH       | DG306-5.0-02P-12-00AH         | 1        |
| Mini58FDE            | Novoton 4Kb-RAM<br>32Kb-Flash | MCU1  | TSSOP20_0.65_4.4            | Mcu-Mini58FDE                 | 1        |
| 2N3904               |                               | Q1, Q2, Q3, Q4, Q5,<br>Q6, Q7, Q8, Q9, Q10,<br>Q11, Q12, Q13, Q14,<br>Q15, Q16, Q17, Q18,<br>Q19, Q20, Q21, Q22,<br>Q23, Q24, Q25   | SOT23-3                     | Transistor-2N3904<br>(SOT-23) | 25       |
| 10k                  |                               | R1, R2, R3, R4, R5, R6,<br>R7, R8, R9, R10, R11,<br>R12, R13, R14, R15,<br>R16, R17, R18, R19,<br>R20, R21, R22, R23,<br>R24, R25, R26, R27,<br>R28, R29, R30, R31,<br>R32, R33, R34, R35,<br>R36 | R0805                       | Resistors-SMD                 | 36       |
| 74HC595D             |                               | U1, U2, U3, U5  | SO16                        | Ic-74HC595D                   | 4        |
| RealTime             |                               | U4  | SOIC08_1.27_6.0             | RealTime-DS1307               | 1        |
| AMS1117              |                               | U6  | SOT223-3                    | Ic-AMS1117(SOT-223)           | 1        |
| 32.768KHz            |                               | Y1  | DT-26                       | Crystal 32.768KHz             | 1        |
| 8MHz                 |                               | Y2  | HC-49S                      | Crystal                       | 1        |