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|       |                              |           |          |
| Size  | Number                       |           | Revision |
| A2    |                              |           |          |
| Date: | 12/02/2022                   | Sheet of  |          |
| File: | E-\Github\ \ESP32S3 SDSchDer | Denum Ru- |          |

| Comment                    | Description     | Designator      | Footprint              | LibRef              | Quantity |
|----------------------------|-----------------|-----------------|------------------------|---------------------|----------|
| WS2812B                    |                 | 2812            | LED_3528_RGB           | WS2812B             | 1        |
| BOOT                       | Switch          | BOOT            | KEY_1                  | SW-PB               | 1        |
| 105                        | Capacitor       | C1              | LC-0603_C              | С                   | 1        |
| 10UF                       |                 | C2, C4          | LC-0603_C              | cap                 | 2        |
| 104                        |                 | C3, C5, C6      | LC-0603_C              | cap                 | 3        |
| USB type C                 |                 | J1, J2          | USB Type-C-<br>16Pin_A | USB_C               | 2        |
| TF_Card                    | TF卡座            | J3              | TF卡座                   | TF_Card             | 1        |
| MSM261S4030H0              |                 | MIC             | MSM261S4030H0          | MSM261S4030H0       | 1        |
| Header 22                  | Header, 22-Pin  | P1, P2          | HDR1X22                | Header 22           | 2        |
| S9013                      |                 | Q1, Q2          | SOT23-3N               | Q S9013             | 2        |
| SS8050                     | 高频放大-NPN型       | Q3              | SOT23-3N               | 8050-SMD            | 1        |
| 5.1K                       | 普通电阻            | R1, R2, R4, R6  | LC-0603_R              | RES                 | 4        |
| 10K                        | [NoValue], 普通电阻 | R3, R5, R7, R12 | LC-0603_R              | R_0Ω_0603, RES      | 4        |
| 1A                         | 普通电阻            | R8              | 0805_R                 | RES                 | 1        |
| RES4                       |                 | R9              | RCA-8P4R-0603          | RES4                | 1        |
| 10R                        | 普通电阻            | R10             | LC-0603_R              | RES                 | 1        |
| RST                        | Switch          | RST             | KEY_1                  | SW-PB               | 1        |
| ST7789V_1.3                |                 | ST1             | ST7789V_12Pin          | ST7789V_1.3         | 1        |
| CP2104                     |                 | U1              | QFN24 4x4_N            | CP2104              | 1        |
| ESP32S3-WROOM-<br>32E(8MB) |                 | U2              | ESP32S3-WROOM-<br>1    | ESP32S3-WROOM-<br>1 | 1        |
| AMS1117_1                  |                 | U3              | SOT-89(SOT-89-3)       | AMS1117_1           | 1        |