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| Title NODE | | |
| Size A4 | Number | Revision V2.2 |
| Date: 3.24.2025 | Sheet of | |
| File: C:\Diplomarbeit\...\Sheet1.SchDoc | Drawn By: RK | |

| Name | Description | Designator | LibRef | Footprint | Quantity |
|----------------------|--|---------------------------------|----------------------|-----------------------------|----------|
| Schraube | Schraubenloch für M3 Schrauben | B1, B2 | B_Schraube | B_Schraube-M3 PAD | 2 |
| 10uF | Kondensator SMD Universal, Keramik, Folie, usw. | C1, C3 | C_SMD_KO | C_SMD_0805 | 2 |
| 100nF | Kondensator SMD Universal, Keramik, Folie, usw. | C2, C4, C5, C6, C7, C8, C9, C11 | C_SMD_KO | C_SMD_0603 | 8 |
| 1uF | Tantalkondensator | C10 | C_SMD_Tantal | C_SMD_0805 | 1 |
| STPS340 | Diode SMD Schottky | D2 | D_SMD_Schottky | D_DO-221 | 1 |
| WS2812b | Diode SMD ARGB | D3, D4, D5, D6 | D_SMD_LED-ARGB | D_SMD_LED-ARGB | 4 |
| MODULE_COM | Stecker | J1 | J_THT_CON15 | SP-15 | 1 |
| BUTTON | Stecker | J2 | J_THT_CON2 | SP-2 | 1 |
| SERIAL | Stecker | J3 | J_THT_CON6 | SP-6 | 1 |
| J_USB-C | USB4105-GF- | J4 | J_USB-C | GCT_USB4105-GF-A | 1 |
| ARGB_OUTPUT | Stecker | J6 | J_THT_CON3 | Sp-3 | 1 |
| 2,2uH | Spule SMD | L1 | L_SMD_Spule | L_SMD_ND_NR301 5T2R2M | 1 |
| 900k | Widerstand SMD | R1 | R_SMD_Widerstand | R_SMD_0603 | 1 |
| 200k | Widerstand SMD | R2 | R_SMD_Widerstand | R_SMD_0603 | 1 |
| >10k | Widerstand SMD | R3 | R_SMD_Widerstand | R_SMD_0805 | 1 |
| 100k | Widerstand SMD | R4, R5, R8, R9 | R_SMD_Widerstand | R_SMD_0805 | 4 |
| 5k1 | Widerstand SMD | R6, R7 | R_SMD_Widerstand | R_SMD_0805 | 2 |
| 4k7 | Widerstand SMD | R10 | R_SMD_Widerstand | R_SMD_0603 | 1 |
| U_TLV62569P | | U1 | U_TLV62569P | SOT50P160X60-6N | 1 |
| ESP32-C3-WROOM-02-N4 | WiFi Modules (802.11) (Engineering Samples) SMD module, ESP32-C3, 4MB SPI flash, PCB antenna, -40 C+85 C | U2 | ESP32-C3-WROOM-02-N4 | MODULE_ESP32-C3-WROOM-02-H4 | 1 |
| U_DS18B20 | Temperature Sensor Digital, Local -55Â°C~125Â°C 12 b 8-uMAX-EP 8-uSOP-EP | U3 | U_DS18B20 | TO-92_DS18B20 | 1 |