

| # | Reference | Part Number | Description | Manufacturer | Distributor | Quantity |
|--------------------------|--------------------------|-----------------|--|---------------------|-------------|----------|
| 1 | U1 | ESP32-S2-WROOM | Módulos WiFi (802.11) SMD module, ESP32-S2, 4 MB SPI flash, PCB antenna | Espressif | MOUSER | 1 |
| 2 | U2 | NCP187AMT330TAG | LDO Voltage Regulators 1.2A 3.3V Active discharge | On Semiconductor | MOUSER | 1 |
| 3 | U3 | PAM8301AAF | Audio Amplifiers Audio Amplifiers 1.5W MONO | Diodes Incorporated | MOUSER | 1 |
| 4 | S1,S2 | 434123025826 | Tactile Switches WS-TASV SMD 2.5mm 260g 50mA 16V White | WE | MOUSER | 2 |
| 5 | J1 | SSW-109-01-S-D | Board to Board & Mezzanine Connectors Tiger Buy Socket Strip with PCB Tails | SAMTEC | MOUSER | 1 |
| 6 | C2,C3,C4,C5,C7,C8 | 885012207098 | Multilayer Ceramic Capacitors MLCC - SMD/SMT WCAP-CSGP 0.1uF 0805 10% 50V MLCC | WE | MOUSER | 6 |
| 7 | C1,C6 | 885012207103 | Multilayer Ceramic Capacitors MLCC - SMD/SMT WCAP-CSGP 1uF 0805 10% 50V MLCC | WE | MOUSER | 2 |
| 8 | R1,R2 | ERJ-6GEYJ103V | Thick Film Resistors 0805 10Kohms 5% AEC-Q200 | Panasonic | MOUSER | 2 |
| 9 | D1 | SK6812 | RGB Serial LED | N/A | AliExpress | 1 |
| 10 | PCB | S/N | PCB Display Array Controller | N/A | N/A | 1 |
| USB Data and Power Board | | | | | | |
| 1 | J1 | S/N | 12 Pin Generic USBC Connector | N/A | Aliexpress | 1 |
| 2 | C1 | 885012207098 | Multilayer Ceramic Capacitors MLCC - SMD/SMT WCAP-CSGP 0.1uF 0805 10% 50V MLCC | WE | MOUSER | 1 |
| 3 | C2 | 885012207103 | Multilayer Ceramic Capacitors MLCC - SMD/SMT WCAP-CSGP 1uF 0805 10% 50V MLCC | WE | MOUSER | 1 |
| 4 | R1,R2 | ERJ-6GEYJ512V | Thick Film Resistors 0805 5.1Kohms 5% AEC-Q200 | Panasonic | MOUSER | 2 |
| 5 | L1 | BLM18KG221SN1D | Ferrite Beads 0603 220ohms 2.2A | Murata | MOUSER | 1 |
| 6 | F1 | 0ZCK0075FF2E | Resettable Fuses - PPTC | Bel Fuse | MOUSER | 1 |
| 7 | PCB | S/N | PCB USBC Data and Power | N/A | N/A | 1 |