

| ID | Name                                 | Designator             | Footprint                                 | Quantity | Manufacturer Part                    | Manufacturer          | Supplier | Supplier Part | Price  |
|----|--------------------------------------|------------------------|---|----------|--------------------------------------|-----------------------|----------|---------------|--------|
| 1  | 100nF                                | C1,C3,C4,C7,C8,C10,C11 | 0603_1608METRIC_PAD1.05X0.95MM_HANDSOLDER | 7        | CL10B104KA8NNNC                      | SAMSUNG               | LCSC     | C1590         | 0.003  |
| 2  | 1uF                                  | C2                     | 0603_1608METRIC_PAD1.05X0.95MM_HANDSOLDER | 1        | CL10A105KO8NNNC                      | SAMSUNG               | LCSC     | C1592         | 0.004  |
| 3  | 100uF                                | C5                     | CASE-C_6032                               | 1        | CA45-C016K107T                       | Xiangyee              | LCSC     | C122646       | 0.443  |
| 4  | 330uF                                | C6                     | CASE-C_6032                               | 1        | CA45-C6R3K337T                       | Hunan Xiangyee in S&T | LCSC     | C201144       | 0.418  |
| 5  | 20pF                                 | C9,C12,C13,C14         | 0603_1608METRIC_PAD1.05X0.95MM_HANDSOLDER | 4        | 0603CG200J500NT                      | FH                    | LCSC     | C91702        | 0.004  |
| 6  | SS110-A                              | D1                     | SMA(DO-214AC)                             | 1        | SS110-A                              | FMS                   | LCSC     | C143192       | 0.03   |
| 7  | XL-0603QYGC                          | LED1,LED2              | LED-0603                                  | 2        | XL-0603QYGC                          | KENTO                 | LCSC     | C2289         |        |
| 8  | HDR-IDC-2.54-2X3P                    | P1                     | HEADER-2.54-P2x3                          | 1        | 2X3 2.54mm IDC Box                   | BOOMELE               | LCSC     | C11214        | 0.084  |
| 9  | SWD                                  | P2                     | HEADER-2.54-P4-ANG                        | 1        | Z-211-0411-0021-001                  | ZHENGLING             | LCSC     | C152150       | 0.024  |
| 10 | 210S-1*20P L=11.6MMGold-plated black | P3,P4                  | HEADER-2.54-P20                           | 2        | 210S-1*20P L=11.6MMGold-plated black | Ckmtw                 | LCSC     | C124374       | 0.157  |
| 11 |                                      | 510 R1,R5              | 0603_1608METRIC_PAD1.05X0.95MM_HANDSOLDER | 2        | RC0603FR-07510RL                     | YAGEO                 | LCSC     | C114670       | 0.001  |
| 12 | 10K                                  | R2,R7,R8               | 0603_1608METRIC_PAD1.05X0.95MM_HANDSOLDER | 3        | RC0603JR-0710KL                      | YAGEO                 | LCSC     | C99198        | 0.001  |
| 13 | 100K                                 | R3,R4                  | 0603_1608METRIC_PAD1.05X0.95MM_HANDSOLDER | 2        | RC0603FR-07100KL                     | YAGEO                 | LCSC     | C14675        | 0.001  |
| 14 | 1M                                   | R6                     | 0603_1608METRIC_PAD1.05X0.95MM_HANDSOLDER | 1        | 0603WAJ0105T5E                       | UniOhm                | LCSC     | C26098        | 0.001  |
| 15 |                                      | 20 R9,R11              | 0603_1608METRIC_PAD1.05X0.95MM_HANDSOLDER | 2        | RS-03K20R0FT                         | FH                    | LCSC     | C136605       | 0.001  |
| 16 | 1.5K                                 | R10                    | 0603_1608METRIC_PAD1.05X0.95MM_HANDSOLDER | 1        | 0603WAJ0152T5E                       | UniOhm                | LCSC     | C25989        | 0.001  |
| 17 | K2-6639SP-C4SC-04                    | RST                    | KEY-6.0*6.0                               | 1        | K2-6639SP-C4SC-04                    | HRO                   | LCSC     | C83206        | 0.046  |
| 18 | Micro USB-B 5P_C40942                | U3                     | USB-MICROB                                | 1        | Micro USB-B 5P_C40942                | ValuePro              | LCSC     | C40942        | 0.076  |
| 19 | AMS1117-3.3                          | U8                     | SOT-223                                   | 1        | AMS1117-3.3                          | AMS                   | LCSC     | C6186         | 0.156  |
| 20 | 8MHz                                 | X1                     | OSC-49S-1                                 | 1        | X49SD8MSD2SC                         | YXC                   | LCSC     | C21263        | 0.07   |
| 21 | 32.768KHz                            | X2                     | MC-306                                    | 1        | X803832768KGD4GI                     | YXC                   | LCSC     | C12675        | 0.282  |
| 22 | STM32F103C8T6                        | U1                     | ST-LQFP48                                 | 1        | STM32F103C8T6                        | ST                    | LCSC     | C8734         | 10.023 |