|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| N |  |  |  |  | SMD | TH |
|  |  |  |  |  |  |  |
| 1 | C1,C6 | 47.0uFx16V | Capacitor, SMD, 1210, 3225Metric | 2 | 2 |  |
| 2 | C2,C5,C7,C12 | 0.1uFx16V | Capacitor, SMD, 0603, 1608Metric | 4 | 6 |  |
| 3 | C3,C4 | 22pFx16V | Capacitor, SMD, 0603, 1608Metric | 2 | 8 |  |
| 4 | C8,C9,C10 | 1uFx16V | Capacitor, SMD, 0603, 1608Metric | 3 | 11 |  |
| 5 | C13 | 0.47uFx16V | Capacitor, SMD, 0603, 1608Metric | 1 | 12 |  |
| 6 | C14 | 2.2uFx16V | Capacitor, SMD, 0603, 1608Metric | 1 | 13 |  |
| 7 | C11 | 470nFx16V | Capacitor, SMD, 0603, 1608Metric | 1 | 14 |  |
|  |  |  |  |  |  |  |
| 8 | J2 | Linear | Connector, Audio Jack, 3.5mm, PJ320D, Horizontal | 1 | 15 |  |
| 10 | J4 | POWER | Phoenix Contact, MC 1,5 3-G-3.81, P3.81mm Horizontal | 1 |  | 3 |
| 11 | J7 | USB B Micro | Connector, USB Micro B, Molex 47346-0001 | 1 | 16 |  |
|  |  |  |  |  |  |  |
| 12 | R1,R9 | 47K | Resistor, SMD, 0603, 1608Metric | 2 | 18 |  |
| 13 | R2 | 100K | Resistor, SMD, 0603, 1608Metric | 1 | 19 |  |
| 14 | R3,R4,R16 | 1K | Resistor, SMD, 0603, 1608Metric | 3 | 22 |  |
| 15 | R5,R6,R7 | 4K7 | Resistor, SMD, 0603, 1608Metric | 3 | 25 |  |
| 16 | R8 | 100 | Resistor, SMD, 0603, 1608Metric | 1 | 26 |  |
| 17 | R10 | 1K5 | Resistor, SMD, 0603, 1608Metric | 1 | 27 |  |
| 18 | R11,R12 | 22 | Resistor, SMD, 0603, 1608Metric | 2 | 29 |  |
| 19 | R13 | 100K | Resistor, SMD, 0603, 1608Metric | 1 | 30 |  |
| 20 | R14 | 150K | Resistor, SMD, 0603, 1608Metric | 1 | 31 |  |
| 21 | R15 | 2K2 | Resistor, SMD, 0603, 1608Metric | 1 | 32 |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 22 | U1 | AP1117-33 | SMD, SOT-223-3 | 1 | 33 |  |
| 23 | U2 | STM32F103C8T6 | LQFP-48, 7x7mm, P0.5mm | 1 | 34 |  |
| 24 | U3 | AD8603 | SMD, TSOT-23-5 | 1 | 35 |  |
| 25 | U4 | 74LVC1G125 | SMD, SOT-23-5 | 1 | 36 |  |
|  |  |  |  |  |  |  |
| 27 | D1 | HC-05 | HC-05 bluetooth controller | 1 | 38 |  |
| 28 | VD1 | LED GREEN | LED GREEN, SMD, 0603, 1608Metric | 1 | 39 |  |
|  |  |  |  |  |  |  |
| 29 | Y1 | Crystal | Crystal 8MHz, SMD, 5032, 2Pin, 5.0x3.2mm | 1 | 40 |  |
|  |  |  |  | ALL | 40 | 3 |