

**RL78G1D BLE智能锁****BOM list**

| Designator                         | Quantity | Part Name             | Manufacturer              | Description                      |
|------------------------------------|----------|-----------------------|---------------------------|----------------------------------|
| C1, C2                             | 2        | —                     | —                         | Capacitor (1uF, 0603)            |
| C3, C4, C5                         | 3        | —                     | —                         | Capacitor (100nF, 0603)          |
| CN1                                | 1        | 24 5602 024 000 829H+ | KYOCERA Connector Product | RL78/G1D BLE Module Socket       |
| CN2                                | 1        | —                     | —                         | Header 9x2, 2.54mm               |
| E1                                 | 1        | —                     | —                         | CON 7x2, 2.54mm                  |
| LED1                               | 1        | —                     | —                         | Action LED (green, 0603)         |
| M1                                 | 1        | —                     | —                         | DC Motor 3-7V                    |
| P1                                 | 1        | —                     | —                         | LOCK (HDR1x2)                    |
| P2                                 | 1        | —                     | —                         | Battery AAx3                     |
| P3, P4                             | 2        | —                     | —                         | Baffle for DC motor (HDR1x2)     |
| Q1, Q2, Q5, Q6                     | 4        | MMSS8050              | Micro Commercial Co       | TRANS PNP 25V 1.5A SOT-23        |
| Q3, Q4                             | 2        | MMSS8550              | Micro Commercial Co       | TRANS NPN 25V 1.5A SOT-23        |
| R1, R2, R17, R18                   | 4        | —                     | —                         | Resistor (100KΩ, 0603)           |
| R3, R5, R14, R15, R16, R19, R20, R | 8        | —                     | —                         | Resistor (1KΩ, 0603)             |
| R4, R13, R22, R26                  | 4        | —                     | —                         | Resistor (10KΩ, 0603)            |
| R6, R7                             | 2        | —                     | —                         | Resistor (4.7KΩ, 0603)           |
| R8, R9, R10, R11                   | 4        | —                     | —                         | Resistor (470Ω, 0603)            |
| R12                                | 1        | —                     | —                         | Resistor (1.5Ω, 2512)            |
| R21, R27                           | 2        | —                     | —                         | Resistor (100Ω, 0603)            |
| R23                                | 1        | —                     | —                         | Resistor (1MΩ, 0603)             |
| R24                                | 1        | —                     | —                         | Resistor (470KΩ, 0603)           |
| R25                                | 1        | —                     | —                         | Resistor (2.2MΩ, 0603)           |
| R29                                | 1        | —                     | —                         | Resistor (10KΩ, 0805)            |
| Speaker                            | 1        | AT-1224-TWT-5V-2-R    | PUI Audio, Inc.           | AUDIO MAGNETIC XDCR 3-7V TH      |
| SW1                                | 1        | —                     | —                         | Push Switch (6x6mm DIP)          |
| U1                                 | 1        | XC6206P252MR          | Torex Semiconductor Ltd   | REG LDO 3.3V 0.15A (SOT23-3)     |
| U2                                 | 1        | LM321MFX              | Texas Instruments         | OPAMP GP 1MHZ (SOT23-5)          |
| U3                                 | 1        | NCX2202GW             | NXP                       | Comparator low voltage (5-TSSOP) |