# Bill of Materials

**GotekFlashFloppy**

**Revision** **1.0**

**Created by** **OLM**

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| No. | Quantit | Designator | Comment | Value | Part | Manufacturer | Description |
|---|---|---|---|---|---|---|---|
| 0 | 3 | C1, C4, C7 | Capacitor | 10uF | C1206C106K4RACTU | Kemet | Ceramic capacitor SMD |
| 1 | 11 | C2, C3, C5, C6, C8, C9, C12, C13, C14, C15, C17 | Capacitor | 100nF | CL10B104KB8NNNL | Samsung | Ceramic capacitor SMD |
| 2 | 2 | C10, C11 | Capacitor | 22pF | C0805C220J5GAC7800 | Kemet | Ceramic capacitor SMD |
| 3 | 1 | D1 | LED | d=3mm, Orange | LED 3mm Orange | | LED d3mm |
| 4 | 1 | L1 | Ferrite bead | 600R @100MHz | BLM31PG601SN1L | Bourns | Ferrite bead |
| 5 | 1 | LS1 | Buzzer passive | GT-0905A | GT-0905A | Soberton | 4-6V small buzzer (9mm) |
| 6 | 1 | Q1 | Transistor | PDTC114ET | Alternative IRLML2803 | | NPN Resistor-equipped Transistor |
| 7 | 3 | R1, R2, R3 | Resistor | 10K | 10k 5% 0603 | | Resistor SMD |
| 8 | 2 | R4, R5 | Resistor network | 1K x 8 | 4609X-101-102LF | Bourns | SIP bussed resistor network. 8 resistors |
| 9 | 5 | R8, R9, R16, R20, R21 | Resistor | 0R | 0R 5% 0603 | | Resistor SMD |
| 10 | 1 | R13 | Resistor | 4.7K | 4.7k 5% 0603 | | Resistor SMD |
| 11 | 2 | R14, R15 | Resistor | 22 | 22R 5% 0603 | | Resistor SMD |
| 12 | 1 | R18 | Resistor | 1K | 1k 5% 0603 | | Resistor SMD |
| 13 | 1 | SW1 | Rotary encoder | PEC11R-4020K-S0024 | PEC11R-4020K-S0024 | Bourns | Rotary encoder with a switch |
| 14 | 1 | SW5 | SW DIP-4 | | | | |
| 15 | 1 | U1 | Microcontroller | STM32F105RBT6 | STM32F105RBT6 | ST Micro | ST MCU with CAN and USB |
| 16 | 1 | U2 | LDO | REG1117-3.3 | REG1117-3.3 | Texas Instruments | 800mA LDO Regulator |
| 17 | 1 | U3 | IC | SN74LS07DRE4 | SN74LS07DRE4 | Texas Instruments | Hex Buffer (Open Drain) |
| 18 | 1 | X1 | Connector | PLS-4 | 5-146285-4 | TE Connectivity | SWD connector |
| 19 | 1 | X2 | Connector | DB-23 Male | DB-23 Male | | Amiga external floppy connector. 23 pin Male. |
| 20 | 1 | X3 | Connector | 292303-5 | 292303-5 | TE Connectivity | Conn USB 2.0 Type A |
| 21 | 1 | X4 | Connector | PLS-7 | 3-644456-7 | TE Connectivity | Header, 7-Pin |
| 22 | 1 | X5 | Header 2 | | | | Header, 2-Pin |
| 23 | 1 | X6 | Connector | BLS-4 | 801-87-004-10-001101 | Preci-Dip | Female Header, 4-Pin |
| 24 | 1 | ZQ1 | CRYSTAL | 8MHz | HC-49/U-S8000000ABJB | Citizen Finedevice Co Ltd | Crystal |