Bill of Materials

GotekFlashFloppy

Revision **1.0**

Created by **OLM**

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No.	Quantity	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-5	A6E5104	A6E5104	Omron	5 way DIP switch
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