

# USB Flash / EPROM Programmer

## BOM (Bill of Materials)

<b>Source:</b>	E:\Users\Robson\Documentos\Pagina Robson\github\usbflashprog\hardware\usbflashprog.kicad_sch
<b>Date:</b>	27/04/22 23:04
<b>Tool:</b>	Eeschema (6.0.4)
<b>Generator:</b>	D:\Program Files\KiCad\bin\scripting\plugins\bom_csv_grouped_by_value.py
<b>Component Count:</b>	123

Item	Qty	Reference(s)	Value
1	1	C1	10uF x 25V
2	1	C2	10uF x 16V
3	13	C3, C5, C7, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18	100nF
4	1	C4	470uF x 16V
5	1	C6	22uF x 16V
6	1	C8	100uF x 50V
7	3	D1, D2, D4	1N4001
8	1	D3	LED GREEN 3mm
9	3	D5, D7, D11	BAT46
10	1	D6	LED RED 3mm
11	2	D8, D19	1N4733A (5V1)
12	8	D9, D12, D13, D14, D15, D16, D17, D18	1N4148
13	1	D10	LED YELLOW 3mm
14	1	D20	1N4743A (13V)
15	1	J1	Power Jack
16	1	J2	48 pin socket
17	1	J3	20 pin socket
18	1	L1	100uH
19	1	L2	300uH
20	6	Q1, Q12, Q13, Q14, Q15, Q16	BC547
21	4	Q2, Q3, Q4, Q6	BC327
22	1	Q5	TIP120
23	5	Q7, Q8, Q9, Q10, Q11	BC557
24	19	R1, R5, R6, R7, R12, R13, R18, R25, R26, R27, R28, R33, R35, R37, R38, R39, R42, R49, R50	2K2 x 1/8W
25	3	R2, R15, R40	100R x 1/8W
26	2	R11, R51	100R x 1/2W
27	7	R3, R8, R22, R43, R45, R47, R48	1K x 1/8W
28	10	R4, R17, R19, R23, R24, R29, R30, R31, R44, R46	4K7 x 1/8W
29	5	R9, R21, R34, R36, R41	470R x 1/8W
30	1	R10	330R x 1/8W
31	2	R14, R32	10K x 1/8W
32	1	R16	220R x 1/8W
33	1	R20	3K9 x 1/8W
34	1	R52	560R x 1W
35	1	U1	LM7809
36	2	U2, U8	74LS06N
37	1	U3	Raspberry Pi Pico
38	6	U4, U5, U6, U7, U9, U10	74HC595
39	2	U11, U12	74HC165