

## Alice-Mini BOM

Item #	Description	Qty.	Reference Designator
--------	-------------	------	----------------------

### SMD components:

1	0.1UF, 0402	6	C1,C2,C4,C10,C11,C12,C13
2	10UF, 0603	4	C3,C5,C6,C7
3	22PF, 0402	2	C8,C9
4	Diode, schottky, SOD-123, MBR50520LT1G	1	D1
5	Diode, schottky, SOT-23, BAT54A	3	D2, D3, D4
6	Fuse, 0.5A, 3216	1	FS1
7	1M, 0402	1	R3
8	22 OHM, 0402	2	R1, R2
9	100 OHM, 0402	1	R4
10	1Kx4, 1206	3	RN1, RN2, RN7
11	10Kx4, 1206	4	RN3, RN4, RN5, RN6
12	LED, YEL, MiniTop	5	L, LED0, LED1, ON, TX
13	LED, RED, 0805	1	RX
14	Micro USB Jack	2	USB1, USB2
15	Switch, Pushbutton	3	S3, S4, S5
16	Micro SD	1	SD1
17	TRANSISTOR, SOT-23, 2N2222A	2	Q1, Q2
18	FET, SOT-23, 2N7002	1	Q3
19	3.3V REGULATOR, SOT-223. MCP2114-3.3	1	U3
20	USB-TTL CONVERTER, SSOP20, FT231XS	1	U1
21	SINGLE BUFFER, SOT-353, HC1G50	1	U2
22	QUAD BUFFER, TSSPOP14, LV125	1	U4
23	CRYSTAL, 16MHz, HC49S	1	Y1

### Through Hole components:

1	Female header, 10x1, 2.54mm	1	IOH
2	Female header, 8x1, 2.54mm	2	IOL, POWER
3	Female header, 6x1, 2.54mm	1	ADC
4	Female socket, 4X1	1	H1
5	Female socket, 4X2	2	H2, H3
6	Male header, 2X1, 2.54mm	3	J2, J3, J5
7	Male header, 3x2, 2.54mm	2	J1, J4
8	Male header, 3x1, 2.54mm	1	J7
9	Male header, 6x1, 2.54mm	1	J6
10	28 pin DIP, 300mil	1	U5
11	Breadboard	1	
12	Rubber Feet	8	
13	Mini Jumper, 0.1"	3	