



**PICado**

## Bill of materials - PICado Alpha

pos	num	mark	description	value	supplier	part number	price p/pc	total price
1	1	BT1	Bluetooth Modul	HC-05	PICado	101010	5.00	5.00
2	2	C1, C2	tantalum capacitor Chip SMD 3216	10uF, 10V	PICado	102010	0.06	0.12
3	1	C5	ceramic capacitor Chip SMD 0805	100nF	PICado	102011	0.01	0.01
4	3	C6, C7, C8	ceramic capacitor Chip SMD 0603	100nF	PICado	102012	0.01	0.03
5	3	R1, R2, R4	resistor Chip SMD 1% 0.1W	120E	PICado	103010	0.01	0.03
6	1	R3	resistor Chip SMD 1% 0.1W	360E	PICado	103011	0.01	0.01
7	3	R5, R6, R8	resistor Chip SMD 1% 0.1W	470E	PICado	103012	0.01	0.03
8	5	R7, R10, R11, R12, R14	resistor Chip SMD 1% 0.1W	10k	PICado	103013	0.01	0.05
9	2	R9, R13	resistor Chip SMD 1% 0.1W	5k	PICado	103014	0.01	0.02
10	1	S1	Print button	FSM-2J-SMA	PICado	104010	0.05	0.05
11	1	U1	Microcontroller PIC(TQFP-80)	PIC18F8722-I/P	PICado	105010	7.00	7.00
12	1	U2	LDO - voltage regulator	LM1117 / 3.3 V	PICado	106010	0.10	0.10
13	5	V1, V2, V3, V4, V5	MOSFET, N-channel	IRFML8244TRPBF	PICado	106011	0.13	0.65
14	2	V17, V18	Full Colour RGB SMD LED	SSC-SFT825N-S	PICado	107010	3.50	7.00
15	2	X1, X2	Pin Header female	20P	PICado	108010	0.10	0.20
16	1	X3	Micro USB SMD Connector	5P	PICado	108011	0.30	0.30
17	1	X8	Pin Header male	6P, 90°	PICado	108012	0.08	0.08

**total:**

**20.68**