

No	component name	model	quantity	remark
1	PCB	1.6×75.5×40.5mm	1	2128-B TX Rev02
2	IC	A2051 DIP16pin	1	U1
3	IC	MA6221-S7K FWEE*** SSOP28pin	1	U2
4	IC	3V SOT89	1	U3
5	IC	4V SOT89	1	U4
6	DIODE	MA729 0805	2	D1, D4
7	DIODE	1N4148 Atype (1206)	1	D2
8	DIODE	HLMP-ED80-KP000	1	D5
9	DIODE	φ 3mmRed	1	D3
10	LENSE		1	
11	Switch	70gf 6×6×6	3	SW-R, SW-L, SW-M
12	Switch	100gf 6×6×4.3mm	1	SW-ID
13	Encoder	H=9.75mm	1	SW-EN
14	crystal	76.8KHz	1	X1
15	crystal	27.042MHz 16pF 20PPM	1	X2
16	crystal	18MHz	1	X3
17	inductance	0.82uH 1210 (Btype)	1	L3
18	inductance	220uH RL0406-221K	2	L1, L2
19	Resistance	15K 0603	1	R2
20	Resistance	4.7M 0603	1	R3
21	Resistance	1K 0603	2	R4, R12
22	Resistance	560R 0603	1	R5
23	Resistance	680K 0603	1	R10
24	Resistance	1M6 0603	1	R11
25	capacitance	100uF 1210(B type)	2	C1, C2
26	capacitance	100nF 0603	3	C3, C11, C15
27	capacitance	1 pF 0603	1	C4

28		capacitance	15 pF	0603	1	C5
29		capacitance	22 pF	0603	3	C6, C7, C10
30		capacitance	33pF	0603	1	C9
31		capacitance	75pF	0603	1	C12
32		capacitance	30pF	0603	1	C13
33		capacitance	10nF	0603	1	C14
34		capacitance	10uF	1206 (A type)	2	C16, C17
35		capacitance	220uF	6×8	1	C18
36		Dynatron	2S8050 Ic=1A β =100~200	SOT89	1	Q1
37		Resistance	1K	0603	1	R15
38		Resistance	10K	1% 0603	1	R17
3		Resistance	51K	1% 0603	1	R18
40		IC	TL431	1% SOT23	1	Q2
41		Connector	SMD Mini USB PULL		1	JP1
42		Switch	6×13×6		1	K1