

C9S13-BOM

序号	物料名称	规格描述	位号	数量
1	贴片电容	0603, 10uF $\pm$ 20%, 6.3V, X5R	C1, C7, C14, C17, C23, C24, C34, C37, C40, C43, C114, C137, C139, C142, C143, C177, C207	17
2	贴片电容	0201, 100nF $\pm$ 10%, 16V, X7R	C2, C5, C8, C13, C15, C18, C21, C25, C26, C28, C33, C35, C38, C39, C41, C44, C48, C49, C50, C53, C58, C60, C61, C62, C63, C71, C72, C73, C75, C78, C79, C80, C83, C85, C86, C87, C88, C108, C116, C123, C124, C126, C128, C130, C132, C134, C138, C166, C167, C169, C179, C217, C219, C220, C225	55
3	贴片电容	0201, 18pF $\pm$ 5%, 50V, COG/NP0	C3, C16, C22, C36, C42, C226	6
4	贴片电容	0805, 22uF $\pm$ 20%, 6.3V, X5R	C4, C32, C84	3
5	贴片电容	0201, 68nF $\pm$ 10%, 16V, X5R	C6	1
6	贴片电容	0805, 22uF $\pm$ 20%, 10V, X5R	C9, C10, C204, C205, C206	5
7	贴片电容	0201, 68nF $\pm$ 10%, 16V, X5R	C19	1
8	贴片电容	0201, 10nF $\pm$ 10%, 25V, X7R	C20	1
9	贴片电容	0603, 10uF $\pm$ 20%, 10V, X5R	C27, C64, C68, C69, C76, C117, C174, C181, C191, C192	10
10	贴片电容	0201, 4.7pF $\pm$ 5%, 50V, COG/NP0	C29	1
11	贴片电容	0805, 47uF $\pm$ 20%, 6.3V, X5R	C30, C31	2
12	贴片电容	0201, 15pF $\pm$ 5%, 50V, COG	C46, C47	2
13	贴片电容	0402, 4.7uF $\pm$ 20%, 6.3V, X5R	C52, C57, C66, C74, C125, C127, C129, C131, C133, C180	10
14	贴片电容	0201, 100nF $\pm$ 10%, 25V, X7R	C55	1
15	贴片电容	0402, 1uF $\pm$ 10%, 10V, X5R	C65, C67, C70, C77, C215, C216	6
16	贴片电容	0402, 2.2uF $\pm$ 20%, 10V, X5R	C105, C106, C168, C223	4
17	贴片电容	0402, 10uF $\pm$ 20%, 6.3V, X5R	C121, C122, C224	3
18	贴片电容	0402, 1nF $\pm$ 10%, 50V, X7R	C144	1
19	贴片电容	0201, 33nF $\pm$ 10%, 25V, X5R	C171, C172	2
20	贴片电容	0201, 8.2pF $\pm$ 0.25, 50V, COG	C173, C175, C178	3
21	贴片电容	0402, 4.7uF $\pm$ 20%, 10V, X5R	C182, C193	2
22	贴片电容	0201, 1nF $\pm$ 10%, 50V, X7R	C183, C184, C185, C186, C187, C188, C189, C190	8
23	贴片电容	贴片铝电解电容 470uF/ $\pm$ 20%/10V 6.3*8mm	C218	1
24	二极管	肖特基二极管RB521S-30, SOD-523, J _{DW}	D1, D15, D16	3
25	ESD	双向ESD BTRD04A035 B-TRON ESD0402	ESD2, D2, ESD3, D3, ESD4, ESD5, ESD6, ESD7, D7, ESD8, ESD9, D11, D12	13
26	ESD	双向ESD ESDSLC5V0D3BA SOD323	D6	1
28	ESD	双向ESD BTR8S82D6 B-TRON ESD0402	D9, D10	2
29	磁珠	0402, 120R, DCR:70m Ω , 交流阻抗: 100MHz $\pm$ 25%, 定电流: 1.5A	FB1	1
30	磁珠	Murata BLM15PX221SN1D Z=220ohm@100MHz 1.4A 0.1ohm 25% 0402	FB3, FB4, FB12	3
31	天线座	一代IPEX WIFI ANT	J1	1
32	接插件	SMT-2Pin-1.25mm-立式	J2, J4, J8	3
33	TF卡槽	TF CARD SOCKET	J6	1
34	接插件	SMT-12Pin-1.25mm-立式	J7	1
35	接插件	立式贴片5PIN公头座-1.25间距, 带盖	J9, J11	2
36	接插件	SMT-10Pin-1.0mm-立式	J10	1
37	功率电感	2.2uH $\pm$ 20%, DCR:120m Ω , 3A, 2.5*2.0*1.2mm	L1, L3, L5, L6, L7, L9	6

38	功率电感	CMLW4020P2R2MST-2R2	L2	1
39		CMLW4020P6R8MST 6.8uH/3.5A-4040 POWER INDUCTOR	L4	1
40	贴片电阻	0402, 0R $\pm$ 5%, 1/16W	L8, R49, R117	3
41	MOS	NMOS-2N7002-SOT23 13306-S540001H-00	Q1, Q2, Q3, Q7	4
42	MOS	PMOS, WPM3401-3/TR, SOT_23, Id=4.6A, Vds=30V	Q6	1
43	贴片电阻	0805, 0R $\pm$ 5%, 1/8W	R2	1
44	贴片电阻	0201, 51K $\pm$ 1%, 1/20W	R3, R4, R10	3
45	贴片电阻	0201, 100K $\pm$ 1%, 1/20W	R5, R9, R13, R20, R26, R170	6
46	贴片电阻	0201, 680K $\pm$ 1%, 1/20W	R6, R28	2
47	贴片电阻	0201, 240K $\pm$ 5%, 1/20W	R7	1
48	贴片电阻	0201, 62K $\pm$ 1%, 1/20W	R8	1
49	贴片电阻	0201, 59K $\pm$ 1%, 1/20W	R11	1
50	贴片电阻	0201, 18K $\pm$ 1%, 1/20W	R12	1
51	贴片电阻	0201, 11K $\pm$ 1%, 1/20W	R14	1
52	贴片电阻	0201, 226K $\pm$ 1%, 1/20W	R15	1
53	贴片电阻	0201, 10K $\pm$ 1%, 1/20W	R16	1
54	贴片电阻	0201, 127K $\pm$ 1%, 1/20W	R17	1
55	贴片电阻	0201, 68K $\pm$ 5%, 1/20W	R18	1
56	贴片电阻	0201, 910K $\pm$ 1%, 1/20W	R19	1
57	贴片电阻	0201, 10K $\pm$ 5%, 1/20W	R21, R32, R36, R38, R40, R42, R43, R61, R68, R75, R98, R99, R100, R101, R102, R103, R105, R106, R165, R166, R167	21
58	贴片电阻	0201, 100K $\pm$ 5%, 1/20W	R22, R52, R55, R60, R63, R72, R104, R109, R169	9
59	贴片电阻	0201, 200K $\pm$ 1%, 1/20W	R23, R24	2
60	贴片电阻	0201, 110K $\pm$ 5%, 1/20W	R25, R27	2
61	贴片电阻	0201, 150K $\pm$ 1%, 1/20W	R29, R171	2
62	贴片电阻	0201, 1M $\pm$ 5%, 1/20W	R30, R58, R64, R168	4
63	贴片电阻	0402, 22R $\pm$ 5%, 1/16W	R31, R37, R39, R41, R46, R69	6
64	贴片电阻	0402, 100R $\pm$ 5%, 1/16W	R33, R34, R107, R164	4
65	贴片电阻	0201, 4.7K $\pm$ 5%, 1/20W	R47, R48, R71, R120, R121, R125, R128, R129	8
66	贴片电阻	0201, 47K $\pm$ 5%, 1/20W	R53, R54, R56, R57, R59	5
67	贴片电阻	0201, 1K $\pm$ 5%, 1/20W	R62, R124, R159	3
68	贴片电阻	0805, 1R $\pm$ 5%, 1/8W	R67	1
69	贴片电阻	0402, 470R $\pm$ 5%, 1/16W	R91	1
70	贴片电阻	0603, 0R $\pm$ 5%, 1/10W	R108, R118, R119	3
71	贴片电阻	0201, 53.6K $\pm$ 1%, 1/20W	R110, R112	2
72	贴片电阻	0201, 1.1K $\pm$ 1%, 1/20W	R113, R114, R115, R116	4
73	侧按键	轻触开关_4P_贴片_侧按式带定位柱 260gf 3*6*3.5mm JYTS35J60B25D	SW1, SW2	2
74	贴片铜柱	六角铜柱, 尾端内螺纹 M2*5 柱高11.8mm, 头端2*1.5mm	TZ1, TZ2, TZ3	3
75	DC-DC	ETA3417S2F Input 2.6V-7V/3A DC-DC Regulator SOT23-5	U1, U3	2
76	DC-DC	升压-ETA1090D3M DFN3X3 12 3A	U2	1
77	DC-DC	ETA3485S2F Input 2.6V-7V/1.5A DC-DC Regulator SOT23-5	U4, U6, U7, U27	4
78	DC-DC	DCDC, IU5528D, Input1.8V~5V, 2.6A @4.2V, DFN10L, IXU(埃诚攸)	U5	1
79	主控	SOC RV1103BG2 QFN88	U8	1
80	flash	SPI, XM25QH128D, 3V, 128Mbit, SOP8-207mil	U9, U10	2
81	LDO	TMI6030-28 300mA SOT23-5	U12	1

82	WIFI模组	AiW6262LV10_DMOC_VA smd44p-62621	U13	1
83	电量计	CW2017BAAD Battery Lithium-ion Fuel Gauge IC	U21	1
84	音频功放	NS4152M-MSOP8 3W 单声道 D类音频功放	U24	1
85	电机驱动	瑞盟 MS32007-QFN24 低压5V 双通道步进电机和单通道直流电机驱动芯片 H=0.9mm 芯晶图	U25	1
86	SENSOR	SC835HAI-CSMNN00, 8.0 Megapixel, RAW/RGB, MIPI output, 41-pin CSP	U26	1
87	晶振	HJB32E240000A10FABF SMD 3225 24M±10ppm initial CL=10pF Crystal	Y1	1
88	PCB	C9S13-MAIN-V1 0 四层板 黑哑		1