



Component	Description	Designator	Footprint	Value	Quantity
100nf 10V	贴片电容	C1	0402_C	0402 100nf (104) 10% 16V	1
22uf 0603	贴片电容	C2, C3, C5, C6, C7, C12, C13, C14, C16, C17, C27, C28, C35, C31, C32	0603_C	0603 22uf (224) 20% 6.3V	15
1uf 0603	贴片电容	C4, C18, C29	0603_C	0603 1uf (105) 10% 50V	3
220pf 50V	贴片电容	C8	0602_C	0402 220pf (221) 10% 50V	1
1.0uf 25V	贴片电容	C9	0602_C	0402 1.0uf (105) 10% 25V	1
1.0uf (105) 10% 25V	贴片电容	C10	0602_C	0402 1.0uf (105) 10% 25V	1
100nf 0402	贴片电容	C11, C21, C23, C26, C27, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C51, C52, C53, C54, C55, C56, C59, C60, C61, C62, C63, C64, C65, C71, C72, C91, C92, C93, C100, C101, C103, C104, C105, C109	0402_C	0402 100nf (104) 10% 16V	41
220pf 0402	贴片电容	C15, C13	0402_C	0402 220pf (221) 10% 50V	2
1.0uf 0402	贴片电容	C19, C20, C34, C70, C108, C115, C116	0402_C	0402 1.0uf (105) 10% 25V	7
4.7uf 0402	贴片电容	C22	0402_C	0402 4.7uf (475) 20% 10V	1
100uf	钽电容	C24, C26, C50, C106, C110, C124	CASE_R_3528	3528 100uf (107) 10% 6.3V	6
2.2nf 0402	贴片电容	C25	0402_C	0402 2.2nf (222) 10% 50V	1
10nf	贴片电容	C35	0402_C	0402 10nf (103) 10% 50V	1
18pf 0402	贴片电容	C56, C57	0402_C	0402 18pf (180) 5% 50V	2
100nf	贴片电容	C66, C74, C77, C81, C83, C89, C90	0402_C	0402 100nf (104) 10% 16V	7
13pf	贴片电容	C67, C68, C69	0402_C	0402 13pf (130) 5% 50V	3
10uf 0402	贴片电容	C73, C94, C95, C96, C97, C98, C99, C102	0402_C	0402 10uf (104) 20% 6.3V	8
10uf	贴片电容	C75, C76, C79, C80, C82	0402_C	0402 10uf (104) 20% 6.3V	5
1.0uf	贴片电容	C78, C114	0402_C	0402 1.0uf (105) 10% 25V	2
10nf 0402	贴片电容	C84	0402_C	0402 10nf (103) 10% 50V	1
100uf 3528	钽电容	C107	CASE_R_3528	3528 100uf (107) 10% 6.3V	1
100nf 0403	贴片电容	C111	0603_C	0603 100nf (104) 10% 16V	1
100nf 0805	贴片电容	C112, C113, C117, C118, C119, C120, C123, C125, C129	0805_C	0805 100nf (104) 10% 50V	9
05A012A	TVS	D1	05A012A	05A012A	1
05A012A	TVS	D2	05A012A	05A012A	1
LED_GREEN	LED GREEN 0403 SMD	D3, D5, D7, D11	LED_SIDE	LED_GREEN	4
05S40WS-7	LED RED 0403 SMD	D4	05S40WS-7	05S40WS-7	1
LED_RED	LED RED 0403 SMD	D6	LED_SIDE	LED_RED	1
LED_BLUE	LED BLUE 0403 SMD	D8, D10	LED_SIDE	LED_BLUE	2
LED_YELLOW	LED YELLOW 0403 SMD	D9	LED_SIDE	LED_YELLOW	1
3.3uf	3.3uf 0530	E1	0530	3.3uf	1
2.2uf 0530	2.2uf 0530	E2, E3	0530	2.2uf	2
0.1uf	0.1uf 0530	E4	0503_L	0503 0.1uf	1
0.1uf 0530	0.1uf 0530	E5	0503_L	0503 0.1uf 10%	1
NPN3904	NPN 40V 200mA 300MHz 300mW Surface	F1, F2, C2, C3, C4	NPN3904	NPN3904	4
1K0	贴片电阻	R1, R2, R21, R40, R46, R53, R77	0402_R	0402 1K0 (100) 1%	7
10K0	贴片电阻	R3, R20, R23	0402_R	0402 47K0 (4700) 1%	2
100	贴片电阻	R6, R52	0402_R	0402 100 (1000) 1%	2
100K0	贴片电阻	R5, R9, R70	0402_R	0402 100K0 (1000) 1%	3
5.1K0	贴片电阻	R6, R76	0402_R	0402 5.1K0 (510) 1%	2
13.7K0	贴片电阻	R7	0402_R	0402 13K0 (1300) 1%	1
100.0K0	贴片电阻	R9, R14	0402_R	0402 100 (1000) 1%	1
22.1K0	贴片电阻	R10	0402_R	0402 10K0 (1000) 1%	1
0.0402	贴片电阻	R11, R66, R72, R73	0402_R	0402 0.0402 (40) 1%	4
4.7K0 0402	贴片电阻	R12, R16, R54, R59	0402_R	0402 4.7K0 (4700) 1%	5
0.0502 0402	贴片电阻	R75	0402_R	0402 4.7K0 (4700) 1%	1
0.0502 0402	贴片电阻	R13	0402_R	0402 10K0 (1000) 1%	1
100K0 0402	贴片电阻	R75	0402_R	0402 100K0 (1000) 1%	1
22K0 (2202) ±1%	贴片电阻	R16	0402_R	0402 22K0 (2200) 1%	1
1K0 0402	贴片电阻	R17, R71	0402_R	0402 1K0 (100) 1%	2
00	贴片电阻	R79, R2, R28, R43, R44, R47, R55, R57, R62, R63, R64, R67	0402_R	0402 0.0 (000) 1%	12
10K0 0402	贴片电阻	R74, R24, R26, R27, R29, R37, R38, R39	0402_R	0402 10K0 (1000) 1%	8
220	贴片电阻	R30, R32, R33, R47, R49	0402_R	0402 220 (2200) 1%	5
0.0402 0402	贴片电阻	R31	0402_R	0402 5.0K0 (5000) 1%	1
0.0402 0.0402 ±1%	贴片电阻	R32	0402_R	0402 5.0K0 (5000) 1%	1
0.0502 0402	贴片电阻	R35, R66	0402_R	0402 4.7K0 (4700) 1%	2
10K0 (1001) ±1%	贴片电阻	R40	0402_R	0402 1K0 (1000) 1%	1
10K0	贴片电阻	R41, R49, R51, R54, R56, R61	0402_R	0402 10K0 (1000) 1%	6
10K0	贴片电阻	R60	0402_R	0402 12K0 (1200) 1%	1
1K0	贴片电阻	R58	0402_R	0402 4.7K0 (4700) 1%	1
0.0502 0402	贴片电阻	R59	0402_R	0402 4.7K0 (4700) 1%	1
2.2K0 0402	贴片电阻	R60	0402_R	0402 2.2K0 (2200) 1%	1
100K0 (1003) ±1%	贴片电阻	R65	0402_R	0402 100K0 (1000) 1%	1
Touch_Switch	Touch_Switch 2PIN	SW1, SW3	Touch_Switch	Touch_Switch	2
KEY2PIN	Switch Button	SW2	KEY2PIN	KEY2PIN	1
05A012A	05A012A LAY	U1, U3, U4, U5, U6, U7	05A012A	05A012A	6
ULC0548P10	ESD	U2, U23, U27, U40, U46, U67, U68	ULC0548P10	ULC0548P10	7
05A012A	05A012A LAY	U5, U17, U18, U20	05A012A	05A012A	4
Raspberry Pi Compute Module 4	Raspberry Pi Compute Module 4	U9	CM4	CM4	1
Types-C	Types-C 16P	U10, U11	Types-C 16P	Types-C 16P	2
MP2236	MP2236	U12, U13, U15	MP2236	MP2236	3
MP2236	MP2236	U14	MP2236	MP2236	1
HW11130A	HW11130A	U16	HW11130A	HW11130A	1
HW11130A	HW11130A	U19	HW11130A	HW11130A	1
OSC 25MHz	Passive crystal	U21	OSC 25MHz	OSC 25MHz	1
HEM	HEM	U22	HEM	HEM	1
MINI_PCIE	MINI_PCIE	U24	MINI_PCIE	MINI_PCIE	1
MINI_PCIE	MINI_PCIE	U25	MINI_PCIE	MINI_PCIE	1
C1101	C1101	U26	C1101	C1101	1
17M	17M	U28	17M	17M	1
SP405	SP405	U29	SP405	SP405	1
Connector_2P	Connector for RS485	U30	CONNECTOR_2P	Connector_2P	1
NU2105L1TG	NU2105L1TG	U31	NU2105L1TG	NU2105L1TG	1
CC2530	CC2530	U32	CC2530	CC2530	1
05A012A	05A012A LAY	U33	05A012A	05A012A	1
Connector_3P	Connector for UART	U34	CONNECTOR_3P	Connector_3P	1
FS12H	FS12H	U37	FS12H	FS12H	1
05A012A	05A012A LAY	U38	05A012A	05A012A	1
05A012A	05A012A LAY	U39	05A012A	05A012A	1
AP7311-18W6	AP7311-18W6	U41	AP7311-18W6	AP7311-18W6	1
FS11-11P	FS11-11P	U42	FS11-11P	FS11-11P	1
05A012A	05A012A LAY	U43	05A012A	05A012A	1
FSU842M4UX	FSU842M4UX	U44	FSU842M4UX	FSU842M4UX	1
CH130N	CH130N	U45	CH130N	CH130N	1