







Comment	Description	Designator	Footprint	LibRef	Quantity
100nF (104) 10% 50V	贴片电容	C1, C2	0603_C	0603 100nF (104) 10% 50V	2
1.0uF (105) 10% 25V	贴片电容	C3, C6, C16, C21, C22, C23, C25	0402_C	0402 1.0uF (105) 10% 25V	7
22uF (226) 20% 25V	贴片电容	C4, C5, C7, C12	0805_C	0805 22uF (226) 20% 25V	4
TCN4107M035	Capacitor	C8	TCN4	CAP2	1
4.7uF (475) 20% 10V	贴片电容	C9, C10, C19, C29	0402_C	0402 4.7uF (475) 20% 10V	4
100nF (104) 10% 16V	贴片电容	C11, C14, C15, C18, C20, C24, C26, C27, C28	0402_C	0402 100nF (104) 10% 16V	9
TCN4157M035	Capacitor	C13	TCN4	CAP2	1
10uF (106) 10% 10V	贴片电容	C17	0603_C	0603 10uF (106) 10% 10V	1
SMF30A CK	TVS 二极管	D1, D2	SOD-123	SOD-123 B5819W SL	2
0606 双色LED	0606 双色LED 红色/翠绿	D3	LED-SMD_4P-L1.6-W1.5-TL-1	0606DualColor LED	1
1N5819WS S4	二极管	D4, D5, D6, D7	SOD-323	SOD-323 1N4148WS T4	4
BAV70 A4	开关二极管	D8	SC70-3	SOT-23 BAV70 A4	1
TYPEC 16P	16Pin TypeC立贴座子	J1	USB-C-SMD_KH-TYPE-C-16P	KH-TYPEC-16P	1
IHLP5050FDER100M01	Vishay Inductor 10uH 16.4mR 15.5A	L1	IHLP5050FDER***M01	Inductor Iron	1
0.49Inch 64x32	0.49英寸OLED 64*32像素	OLED1	OLED-0.49Inch	0.49Inch OLED	1
RUH30J51M	Dual N MOSFET 30V/51A	Q1, Q2	PDFN-8_L5.8-W4.9_RU30J30M	RU30J30M	2
CSD18540	Gerenal DFN/SON Package MOSFET	Q3	SON/DFN5x6(MOS)	SON/DFN5x6 MOS	1
NCE30P50G	Gerenal DFN/SON Package MOSFET	Q4	SON/DFN5x6(MOS)	SON/DFN5x6 MOS	1
2N7002KW	MOS(场效应管)	Q5, Q6	SC70-3	2N7002 7002	2
SS8550W	三极管	Q7	SC70-3	SOT-23 SS8550 Y2	1
0Ω (0R0) ±1%	贴片电阻	R1, R3	1206_R	1206 0Ω (0R0) 1%	2
10Ω (10R0) ±1%	贴片电阻	R2, R4	0402_R	0402 10Ω (10R0) 1%	2
9.1KΩ (9101) ±1%	贴片电阻	R5	0402_R	0402 0Ω (0R0) 1%	1
6.2KΩ (6201) ±1%	贴片电阻	R6	0402_R	0402 0Ω (0R0) 1%	1
15KΩ (1502) ±1%	贴片电阻	R7, R28	0402_R	0402 15KΩ (1502) 1%	2
10KΩ (1002) ±1%	贴片电阻	R8, R11, R16, R17, R23, R24	0402_R	0402 10KΩ (1002) 1%	6
220KΩ (2203) ±1%	贴片电阻	R9	0402_R	0402 220KΩ (2203) 1%	1
10KΩ (1002) ±1% NTC B3380	贴片NTC热敏电阻	R10	0402_R	0402 10KΩ (1002) 1%	1
470KΩ (4703) ±1%	贴片电阻	R12, R20	0402_R	0402 470KΩ (4703) 1%	2
3.3KΩ (3301) ±1%	贴片电阻	R13, R15, R18, R19	0402_R	0402 3.3KΩ (3301) 1%	4
1Ω (1R00) ±1%	贴片电阻	R14	0402_R	0402 1Ω (1R00) 1%	1
1KΩ (1001) ±1%	贴片电阻	R21, R25, R27	0402_R	0402 1KΩ (1001) 1%	3
2.43KΩ (2431) ±1%	贴片电阻	R22	0402_R	0402 2KΩ (2001) 1%	1
22KΩ (2202) ±1%	贴片电阻	R26	0402_R	0402 22KΩ (2202) 1%	1
4x4轻触	Switch	S1	SW-SMD_4P-L5.2-W5.2-P3.70-LS6.4	SW-PB	1
IP2368	IP2368 2-5S 双向电池充放电管理, 100W PD	U1	QFN50P700X700X100_HS-49M	IP2368	1
MPQ2013AGQ-33-AEC1	MPS 40V LDO with Enable pin QFN3x3 package	U2	MPQ2013A-QFN8	MPQ2013AGQ-xx-AEC1	1
HT32F52342-QFN33	Holtek MCU Cortex M0+ 48MHz 64K ROM 16K RAM	U3	QFN32-HT32	HT32F52352-QFN	1
SN74LVC1T45DCKR	Single-Bit Dual-Supply Bus Transceiver with Configurable Voltage Translation and 3-State Outputs, DCK0006A, LARGE T&R	U4	DCK0006A_N	SN74LVC1T45DCKR	1
NC7SB3157P6X	Low-Voltage Analog	U5	SC70-6	NC7SB3157P6X	1