



Comment	Description	Designator	Footprint	LibRef	Quantity
10uF(10%, 0603)	Capacitor	C1, C6, C9, C20, C22, C25	0603C	Cap	6
22uF(10%, 0603)	Capacitor	C2, C10, C12	0603C	Cap	3
2.2uF(10%, 0603)	Capacitor	C7, C8, C24, C29	0603C	Cap	4
100nF(10%, 0603)	Capacitor	C17, C18, C19, C21, C23, C26, C27, C28	0603C	Cap	8
18pF(10%, 0603)	Capacitor	C30, C31	0603C	Cap	2
LED0	Typical INFRARED GaAs LED	D2, D3	LED-0805	LED0	2
U5		F1	QFN127P600-8N	F1Cx00s	1
M2-Hole		H1, H2, H3, H4	M2-Hole	M2-Hole	4
USB-TYPEC-16P		J1, J2	USB-TYPEC-16P	USB-TYPEC-16P	2
MicroTF-13P	XunPu Micro-SD card slot, lable: TF-115	J3	MicroTF-13P-XunPu108	MicroTF-13P	1
2.2uH(10%, 1206)	Inductor	L1, L3, L4	INDC-2520	Inductor	3
Header 16	Header, 16-Pin	P1, P2	HDR1X16	Header 16	2
453K(1%, 0603)	Resistor	R1	0603R	Res1	1
100K(1%, 0603)	Resistor	R2, R5, R6, R8	0603R	Res1	4
10K(1%, 0603)	Resistor	R3, R4, R9, R13, R14, R15, R16, R17	0603R	Res1	8
324K(1%, 0603)	Resistor	R7	0603R	Res1	1
1K(1%, 0603)	Resistor	R11, R12	0603R	Res1	2
SW-PB	Switch	S1, S2	SW2-4R2X3R4	SW-PB	2
TLV62569P	The TLV62569 is a high-efficiency synchronous step-down converter. The device operates with an adaptive off time with peak current control scheme	U1, U4, U5	SOT23-5	TLV62569P	3
CH340N	UART To USB	U2	SOP8	CH340N	1
SPI NANDFLASH		U3	SWON127P8	XT26G10C	1
24MHz(10ppm, 3225)	Crystal Oscillator	Y1	SMD5032-2P	XTAL	1