Designator	Comment	Description	Footprint	LibRef	Quantity
C1	10uF	钽电容	1206	Cap	1
C2	2.2uF	Capacitor	0805	Cap	1
C3, C5	12pF	Capacitor	0805	Cap	2
C4, C7, C11, C12, C13, C14, C16, C17, C18	0.1uF	Capacitor	0805	Cap	9
C6, C8	20pF	Capacitor	0805	Cap	2
C9, C10	Cap	Capacitor	0805	Cap	2
C15	10uF	Capacitor	0805	Cap	1
D1, D2	B0520	Default Diode	SOD-123	Diode	2
L1, L2, L3, L4, L5, L6	LED	LED	0805	LED	6
P1	Header 4X2	Header, 4-Pin, Dual row	HDR2X4	Header 4X2	1
P2, P3	Header 10X2	Header, 10-Pin, Dual row	HDR2X10	Header 10X2	2
P4, P10, P11	Header 2X2	Header, 2-Pin, Dual row	HDR2X2	Header 2X2	3
P5, P8	USBC-REC	USB Type-C USB	TYPE-C-Receptacle-2.0	USBC-REC	2
P6	TF_CARD	TF card interface	TF_CARD	TF_CARD	1
P7	Header 2	Header, 2-Pin	HDR1X2	Header 2	1
P9	Header 7X2	Header, 7-Pin, Dual row	HDR2X7	Header 7X2	1
R1, R11, R12, R14, R16, R24, R25	1K	Resistor	0805	Res2, Res3	7
R2, R3, R7, R8, R9, R13, R15, R17, R21	10K	Resistor	0805	Res2	9
R4, R10, R23	0	Resistor	0805	Res2	3
R5, R6, R18, R20	5.1K	Resistor	0805	Res3	4
R19, R22	270	Resistor	0805	Res3	2
S1, S2, S3	SW-PB	Switch	sw - 3*6*2.5	SW-PB	3
U1	TLV1117	LDO	SOT-223	LDO1117	1
U2	CH32V203CxT	RISC-V MCU,144MHz, 2*USB FS, CAN	LQFP48	CH32V203CxT	1
U3	CH549G	8bit MCS51 MCU with ADC & USB type-C host & device & dual UART & SPI	SOP16	CH549G	1
U4	24c01		SOIC-8_208mil	24c01	1
U5	w25q16		SOIC-8_208mil	w25q16	1
Y1	32.768	Crystal Oscillator	XT3225	XTAL	1
Y2	8M	Crystal Oscillator	XT3225	XTAL	1