EP4CE6E22C8N最小系统板 **FPGA** Cap 100nF Cap 10uF Cap 10uF IO DIFFIO LIN (DATALASDO IO,VREFB1N0 IO,DIFFIO R3p,(CLKUSR) IO,DIFFIO_L2P,(FLASH_NCE,NCEO IO,(DQS0R/CQ1R,DPCLK5 IO DIFFIO 14P (DOS0L/CO11, DPCLKO 92 DCLK CONF_DONE nCONFIG | DODIFFIO BIN | 1 | 2 | 3 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1 USB转串口通信 **FLASH** | IO,DIFFIO_T11n | C| 28 | IO128 | IO128 | IO128 | IO128 | IO138 | IO1 UD- RXD GND TXD WRITE IO,DIFFIO_T2p,(DQS1T/CQ1T#,DPCLK7) IO,DIFFIO_T1n,(DQ1T) VCCIO1 **XTAL** VCCINT VCCINT EP4CE6E22C8 **OLED** IO VCCIO VCCD PLL1 IO.DIFFIO R8p.(DOS1R/CO1R#.DPCLK4) IO,DIFFIO_R7n(DEV_OE) IO,DIFFIO_R7p,(DEV_CLRn) 电源指示 **JTAG KEY** LED

Comment	Description	Designator	Footprint	LibRef	Quantity
Сар	Capacitor,	C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28	C 0603	Cap, Cap, Cap, Cap, Cap, Cap, Cap Semi, Cap Semi	28
LED	Typical INFRARED GaAs LED	D1, D2, D3, D4, D5	LED 0805R	LED0	5
Header 20X2	Header, 20-Pin, Dual row	P3, P4	HDR-20X2	Header 20X2	2
Header 5X2	Header, 5-Pin, Dual row	P5	牛角座10p	Header 5X2	1
Res2	Resistor	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19	R 0805-HP	Res2	19
3x6x5	3x6轻触开关	S0, S1, S2	TSW SMD-3*6*2.5	TSW 3x6	3
EP4CE6E22C8	CYCLONE IV E FPGA EP4CE6E22C8 144Pins speed 8	U1	EQFP144_M	EP4CE6E22C8	1
AMS1117-3.3	3.3Voutput,4.3- 12Vinput LDO	U2	SOT223_M	AMS1117	1
AMS1117-2.5	3.3Voutput,4.3- 12Vinput LDO	U3	SOT223_M	AMS1117	1
AMS1117-1.2	3.3Voutput,4.3- 12Vinput LDO	U4	SOT223_M	AMS1117	1
W26Q64	FLASH	U5	SOP8_M	W25Q64	1
CH340N		U6	SOP8_M	CH340G	1
OLED	1.3寸或0.96寸SPI接 口的OLED	U7	HDR-1X7_M	OLED_SPI	1
USB-5P	微型USB母座	USB	USB-MICRO_B	USB-5P	1
XTAL		Y2	XTAL-3225	有源晶振	1