Readme！！！
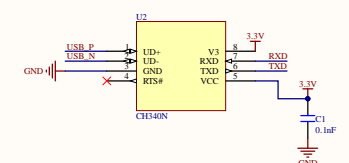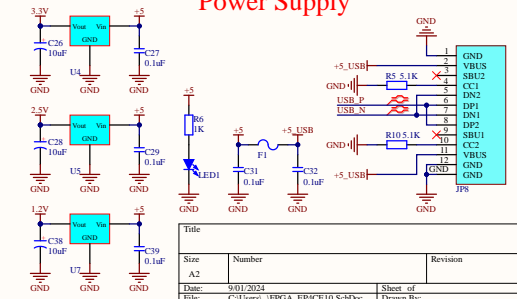
1. IO24 25 88 89 90 91这六个IO只能作为输入使用
2. 50M时钟输入在IO23脚
3. FPGA芯片下的大焊盘一定要焊接，否则无法下载程序
4. 焊接时先焊接电源，测试电源供电正常后最后焊接FPGA芯片
5. 核心板按键已做硬件消抖
6. 引出的IO位号均使用丝印标出

Readme!
USB转TTL

RXD接IO136
TXD接IO138

Power Supply

EPCS16

JTAG

50Mhz

Title
Size A2
Number
Revision
Date: 9/01/2024
File: C:\Users\...\FPGA_EP4CE10.SchDoc
Sheet of
Drawn By:

Comment	Description	Designator	Footprint	LibRef	Quantity
0.1nF		C1	C0603	无极电容	1
0.1uF	[NoValue], 无极电容	C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C27, C29, C31, C32, C34, C35, C36, C37, C39	C0603	无极电容, C	33
10uF		C26, C28, C38	CD A(3216)	极性电容	3
10nF		C30	C0603	无极电容	1
5pF		C33	C0603	无极电容	1
BAT54S		D1, D2, D3, D4	SOT23-3	钳位二极管	4
肖特基		D5	SMA	二极管	1
1000mA		F1	FU 1206	保险丝	1
2X12		JP1, JP2	2X12	2X12	2
2X11Pin		JP3, JP4	2X11PIN	2X11Pin	2
1X10Pin		JP5	FPC1.0-2H-WS-10P	1X10Pin	1
M3定位孔		JP6, JP7, JP9, JP11	M3	M3定位孔	4
USBC-16pin		JP8	USB-C 16Pin	USBC-16pin	1
2X7		JP10	DC-2.54-L-Z-14P	2X7	1
发光二极管		LED1, LED2	LED 0603	发光二极管	2
10K		R1, R2, R3, R4, R7, R8, R11, R12, R13, R16	0603R	电阻	10
5.1K		R5, R10	0603R	电阻	2
1K		R6, R14	0603R	电阻	2
22R		R9, R15	0603R	电阻	2
按键		SW1, SW2, SW3	KEY-SMD	按键	3
EP4EC10		U1	EQFP144	EP4EC10	1
CH340N	USB to TTL Serial / UART	U2	SOP8	CH340N	1
AMS1117		U4, U5, U7	SOT223	AMS1117	3
EPCS16		U6	SOP-8	EPCS16	1
有源晶振4Pin		Y1	OSC 3225-4P	有源晶振4Pin	1