

CNC脱机控制器 硬件原理图 V1.0

湖北省教改基金项目
基于OurDev.cn开源雕刻机项目

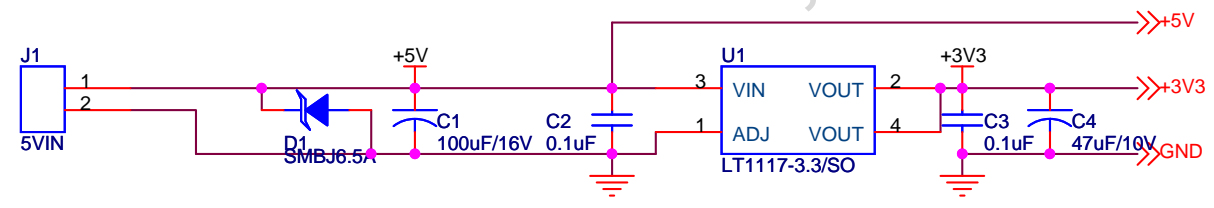
Design: jldc
武汉大学 自动化系 硕士研究生刘大川

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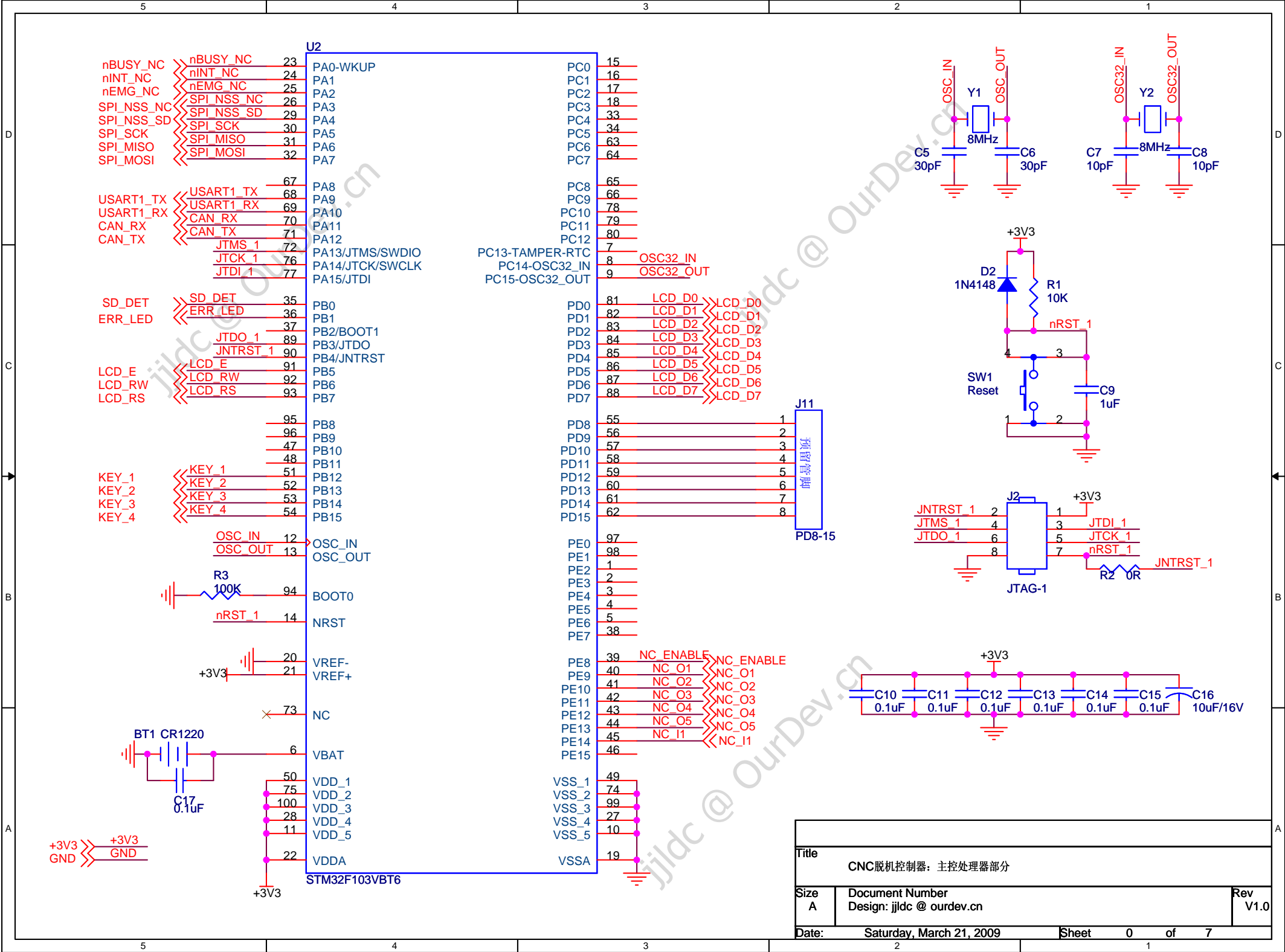
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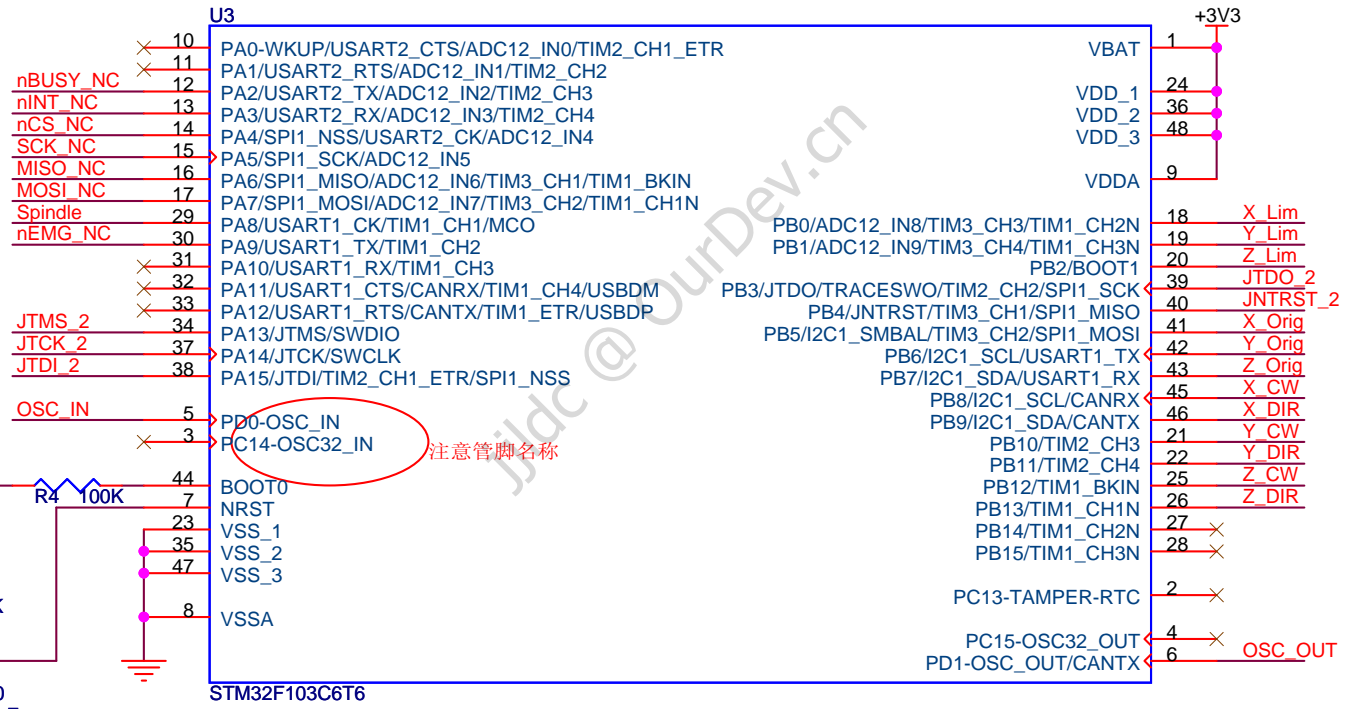
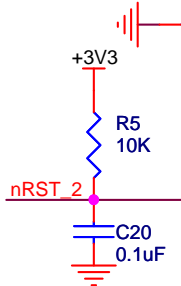
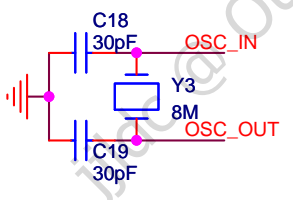
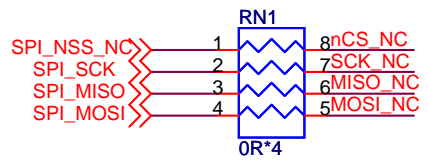


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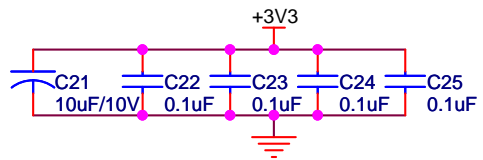
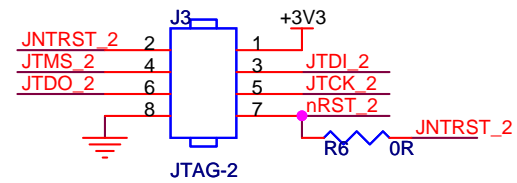
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CNC脱机控制器: 电源部分		
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Title		
CNC脱机控制器: 主控处理器部分		
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注意管脚名称



X_Lim << X_Lim
Y_Lim << Y_Lim
Z_Lim << Z_Lim

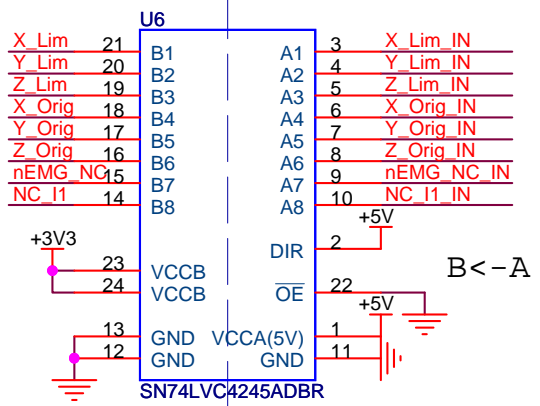
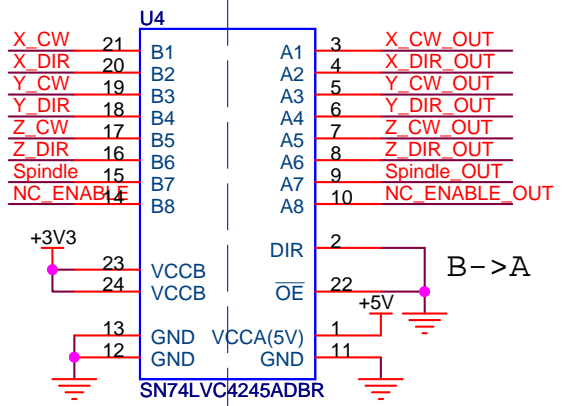
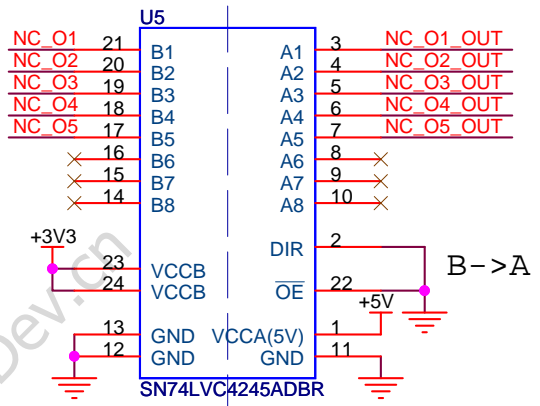
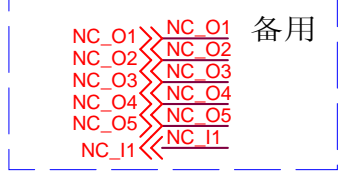
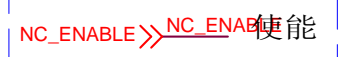
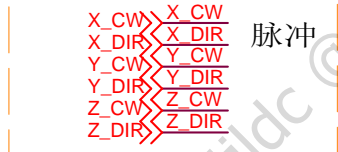
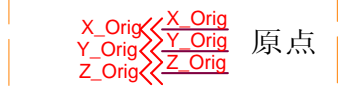
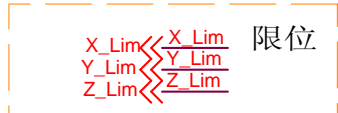
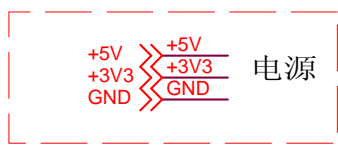
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Y_Orig << Y_Orig
Z_Orig << Z_Orig

X_CW << X_CW
X_DIR << X_DIR
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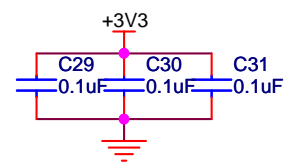
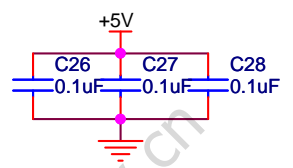
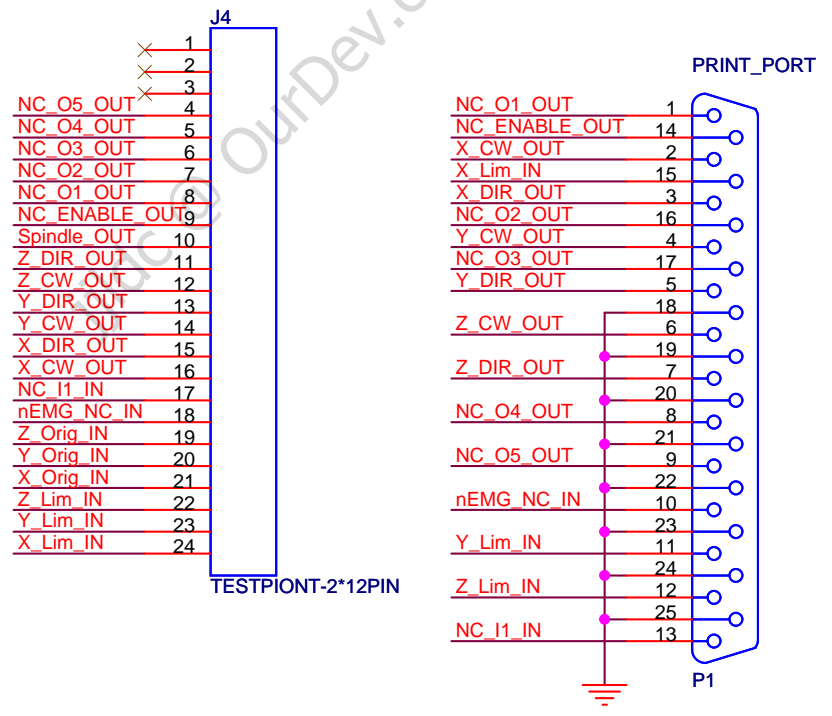
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nEMG_NC << nEMG_NC

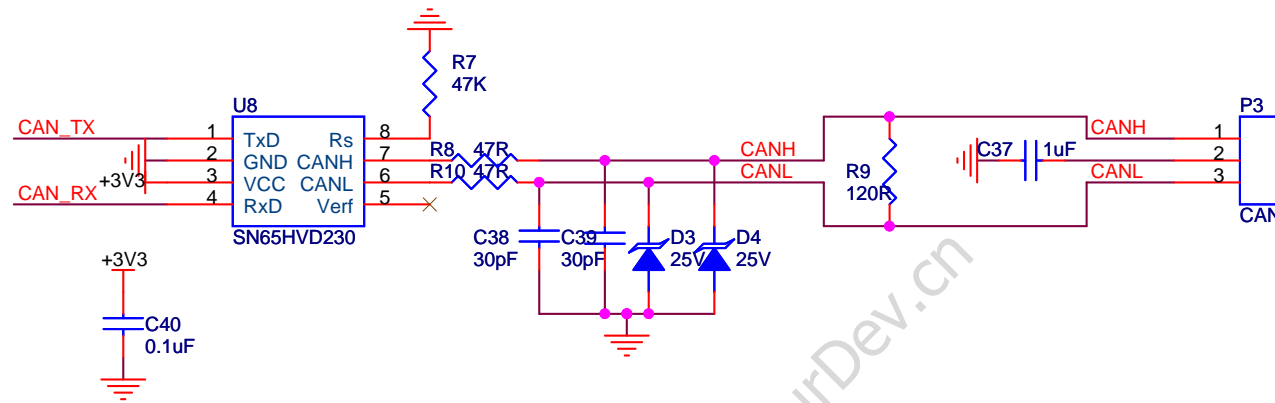
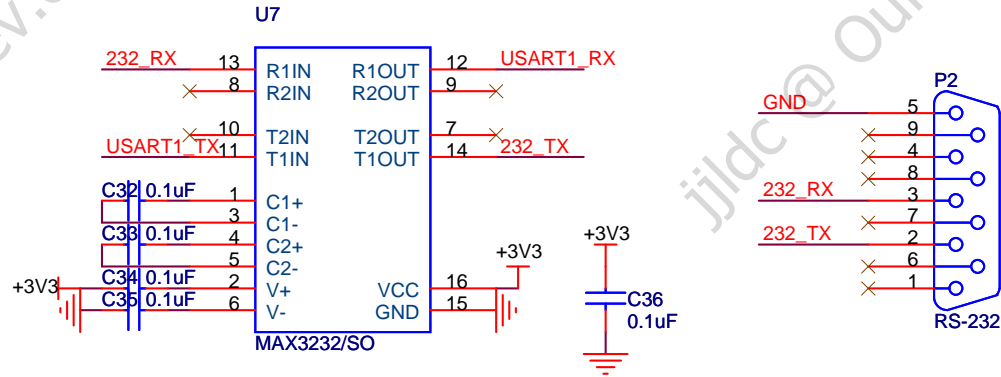
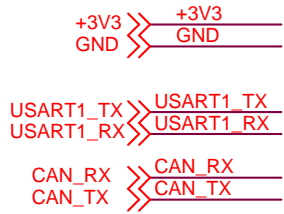
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CNC脱机控制器: 运动控制芯片部分		
Size A	Document Number Design: jiljc @ ourdev.cn	Rev V1.1
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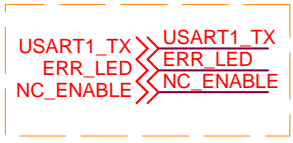
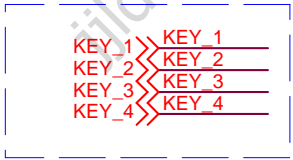
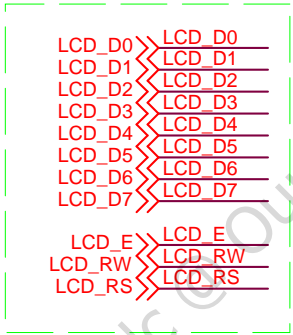
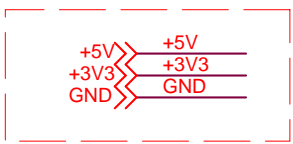
3.3V | 5V



Title		
CNC脱机控制器: IO接口 (并口针对OurDev雕刻机电控箱设计)		
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CNC脱机控制器: 通讯部分		
Size	Document Number	Rev
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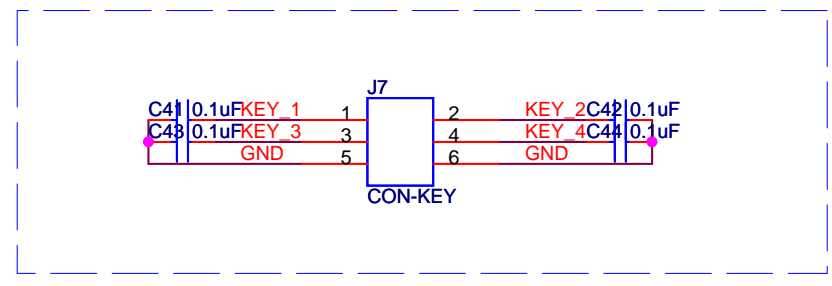
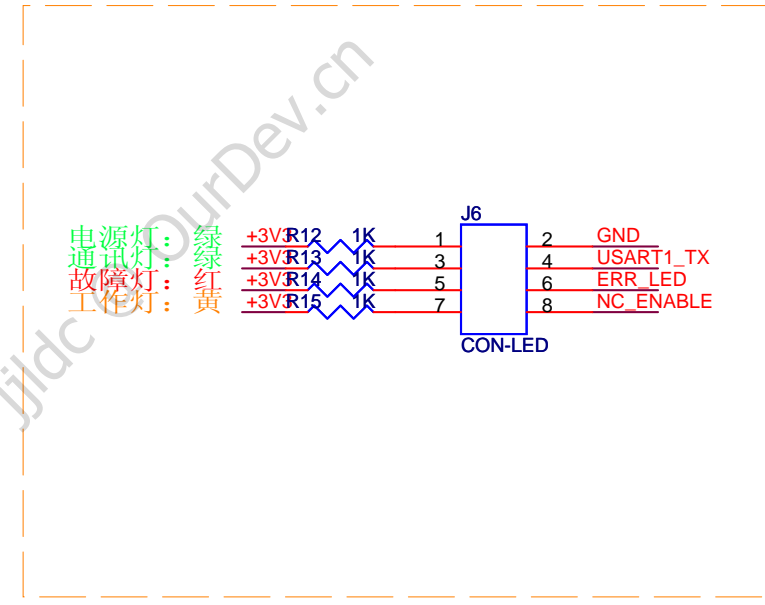
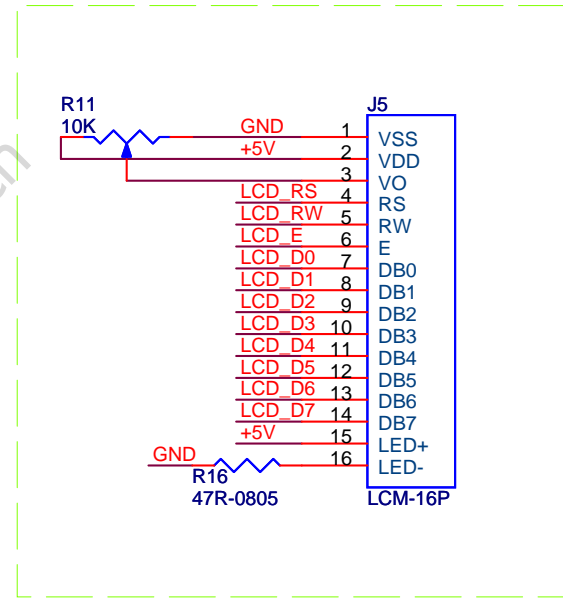


电源

液晶

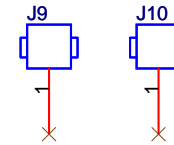
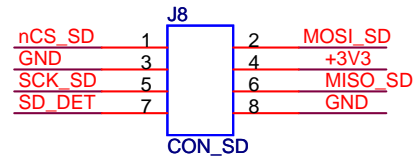
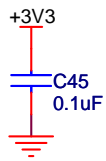
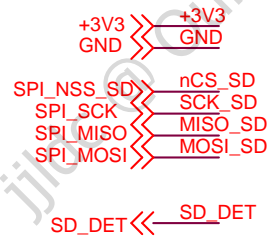
按键

指示灯



注意： LCM_16P CON_LED
 CON_KEY均为2.54mm间距双排针，
 PCB中三者级联成一个2*15的IDC座，
 通过灰排连接至上层HMI板（人机界面）。
 HMI板可以用万用版或覆铜板自行制作

Title		
CNC脱机控制器: HMI人机界面接口部分		
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SD卡接口：
通过8PIN排线引至DB9插座上方的SD卡子板上。
J9 J10为2个固定孔

Title		
CNC脱机控制器: SD卡子板接口部分		
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A	Design: jjlhc @ ourdev.cn	V1.1
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