Sheet: ESP32

File: ESP32.sch

Sheet: POWER

File: POWER.sch

Sheet: USB

File: USB.sch

Sheet: SD

File: SD.sch

Sheet: ENDSTOP

File: ENDSTOP.sch

Sheet: Laser&Spindle

File: Laser&Spindle.sch

Sheet: P-AUX

File: P-AUX.sch

Sheet: DRIVE

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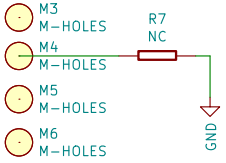


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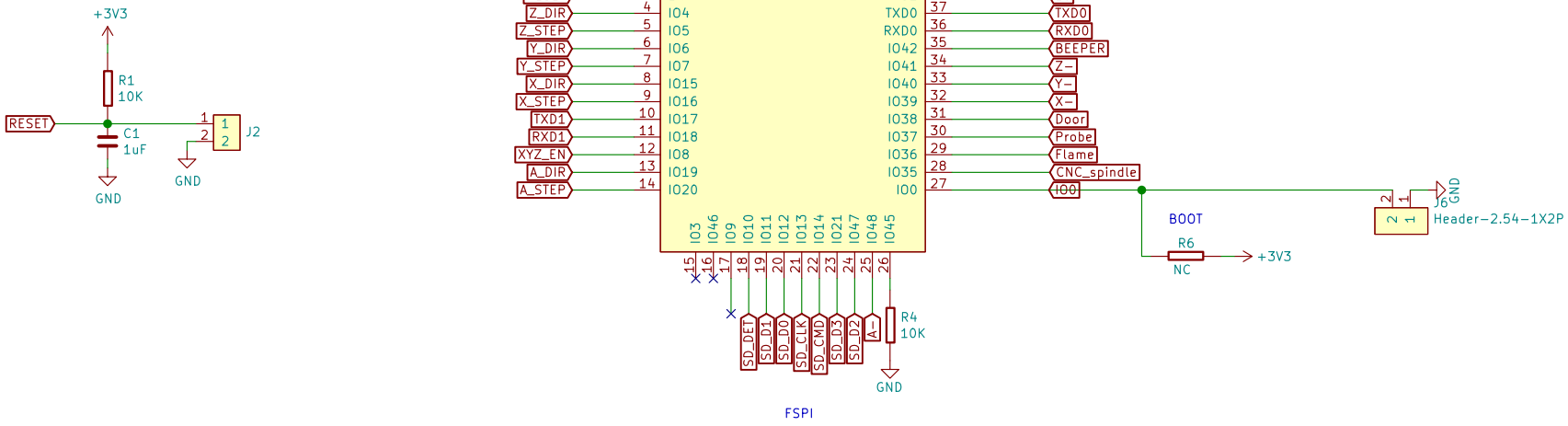


**表 5: Strapping 管脚**

| VDD_SPI 电压 | | | |
|---|---|---|---|
| 管脚 | 默认 | 3.3 V | 1.8 V |
| GPIO45 | 下拉 | 0 | 1 |
| **系统启动模式 [1]** | | | |
| 管脚 | 默认 | SPI 启动模式 | 下载启动模式 |
| GPIO0 | 上拉 | 1 | 0 |
| GPIO46 | 下拉 | 无关项 | 0 |
| **系统启动过程中，控制 ROM Code 打印 [2]** | | | |
| 管脚 | 默认 | 正常打印 | 上电不打印 |
| GPIO46 | 下拉 | 详见第 2 条说明 | 详见第 2 条说明 |
| **JTAG 信号源选择** | | | |
| 管脚 | 默认 | EFUSE_DIS_USB_JTAG = 0, EFUSE_DIS_PAD_JTAG = 0, EFUSE_STRAP_JTAG_SEL=1 | |
| GPIO3 | N/A | 0：JTAG 信号来源于芯片上的 JTAG 管脚<br>1：JTAG 信号来源于 USB Serial/JTAG 控制器 | |

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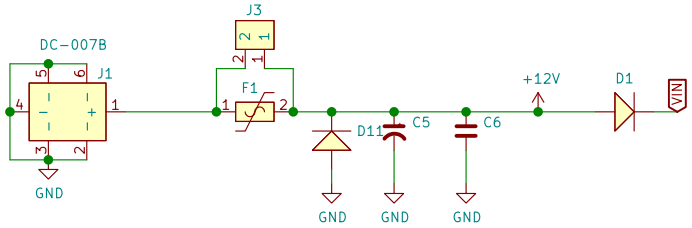


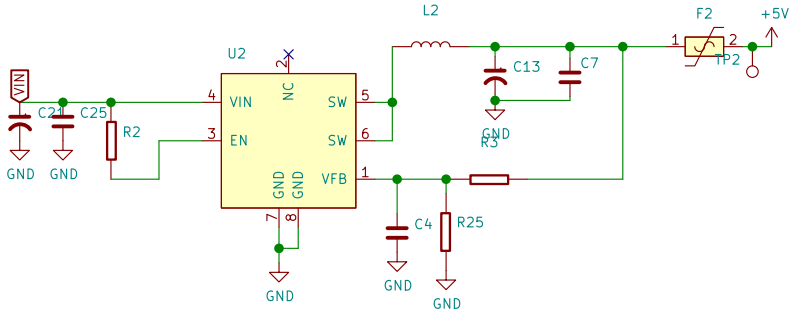


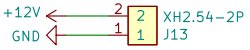


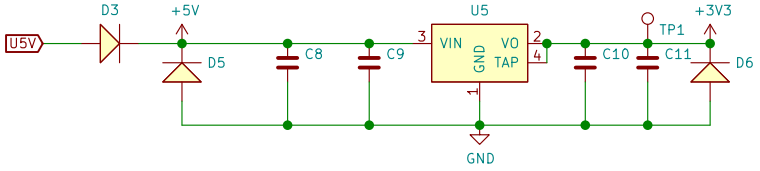


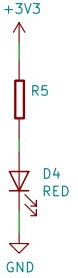


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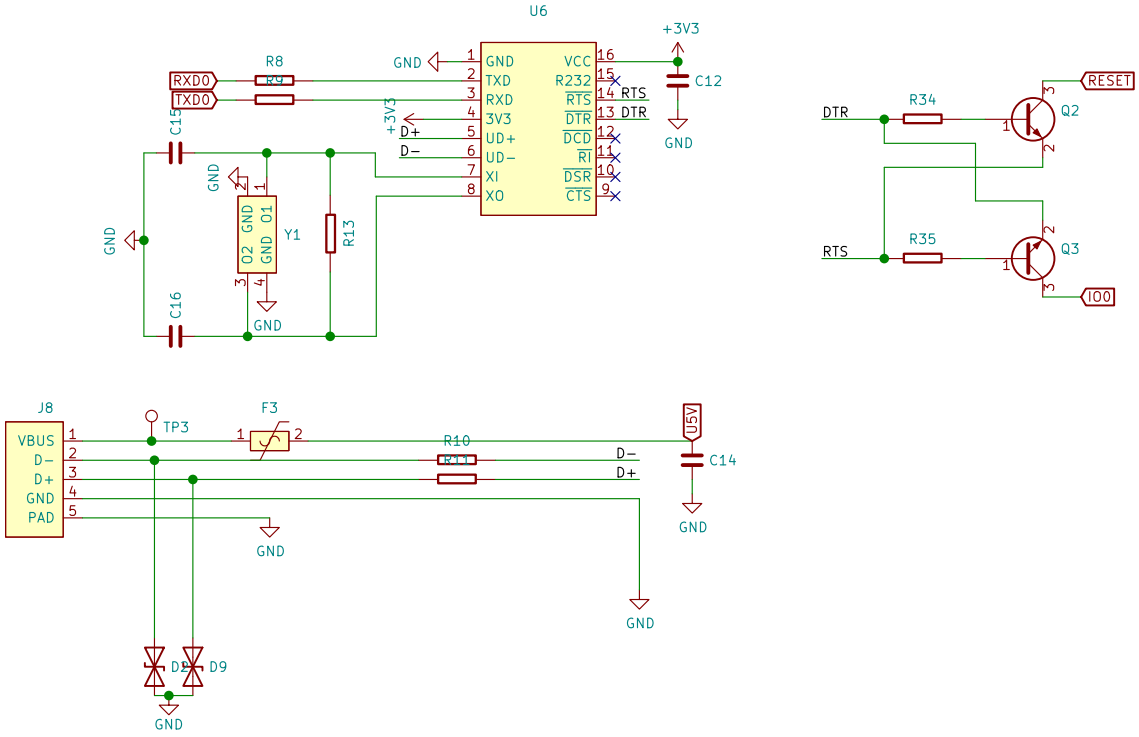


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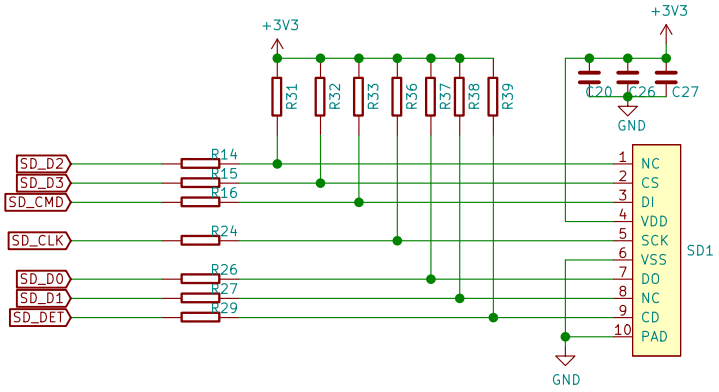


***SD 3.0***

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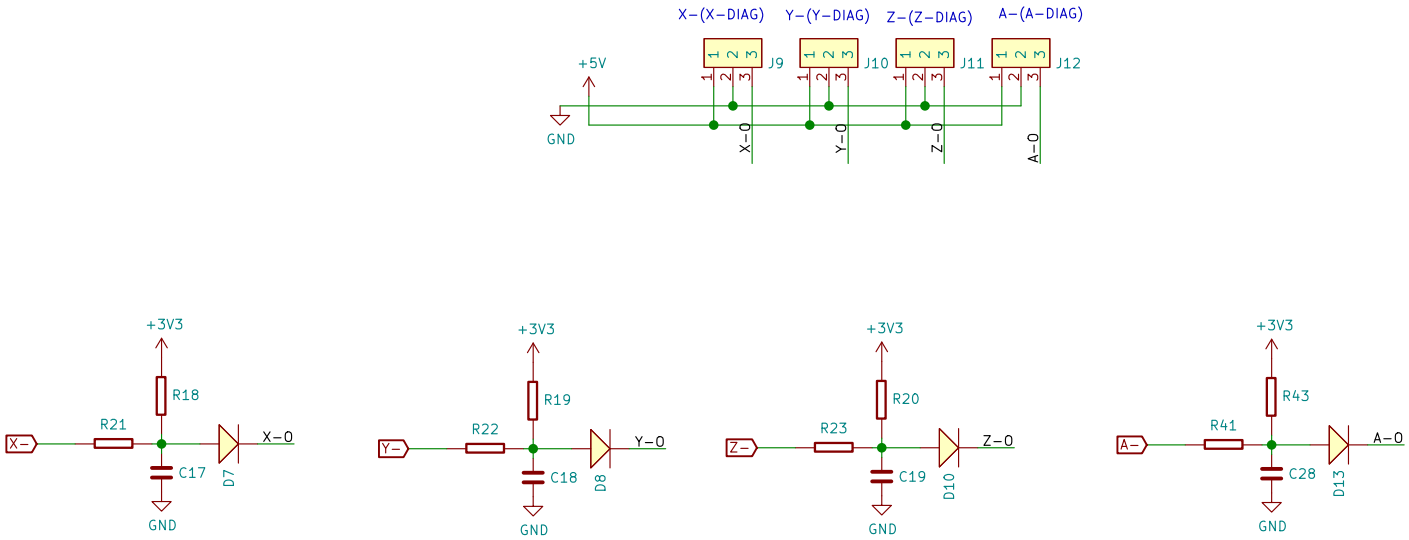


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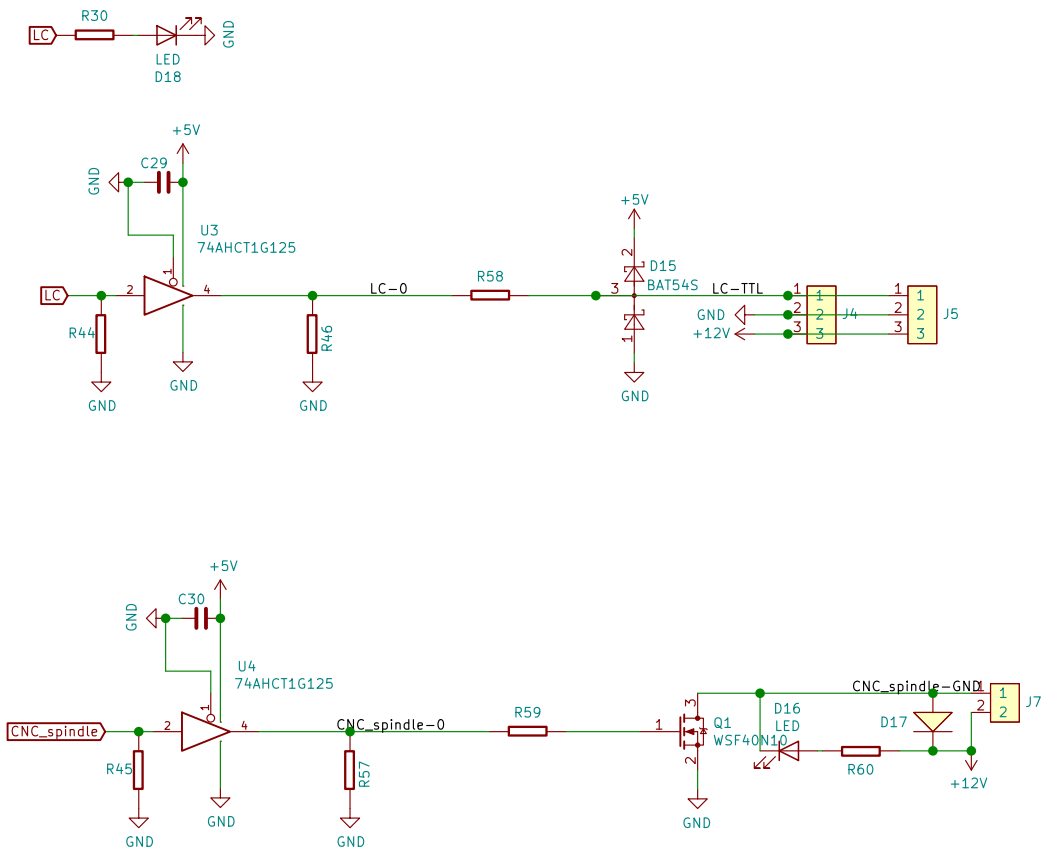


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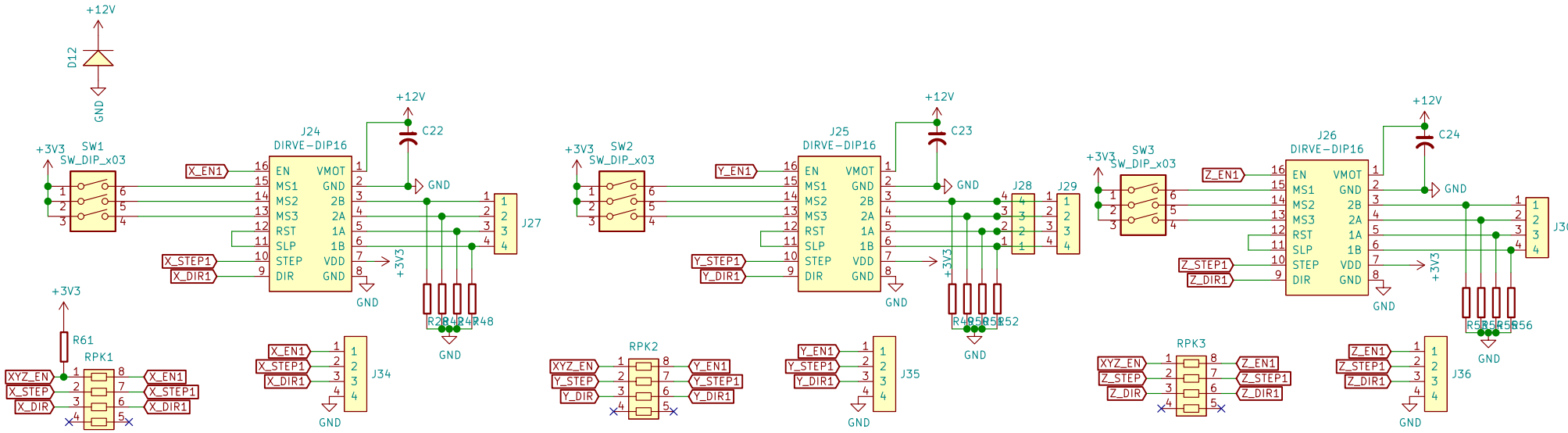


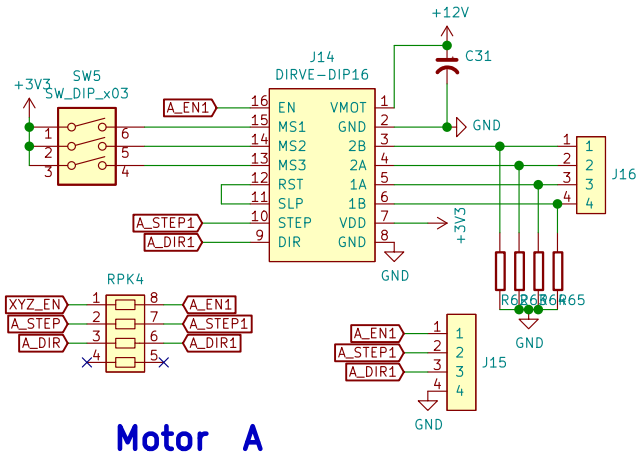


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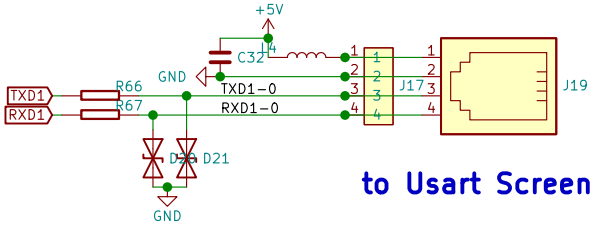


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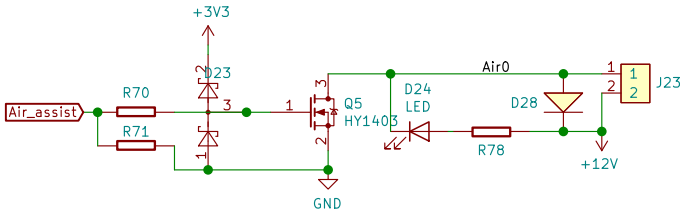
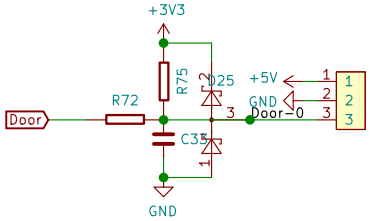
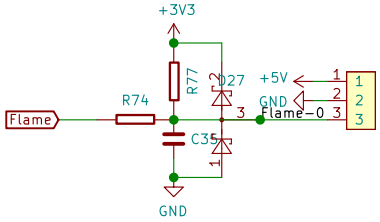


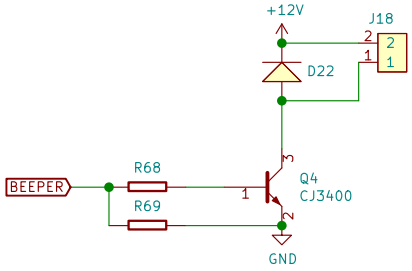

Air assist




Door




Flame

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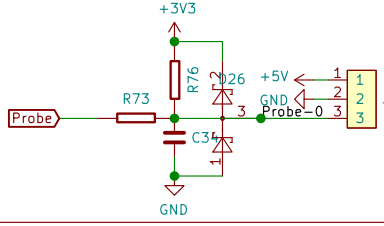


Probe

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