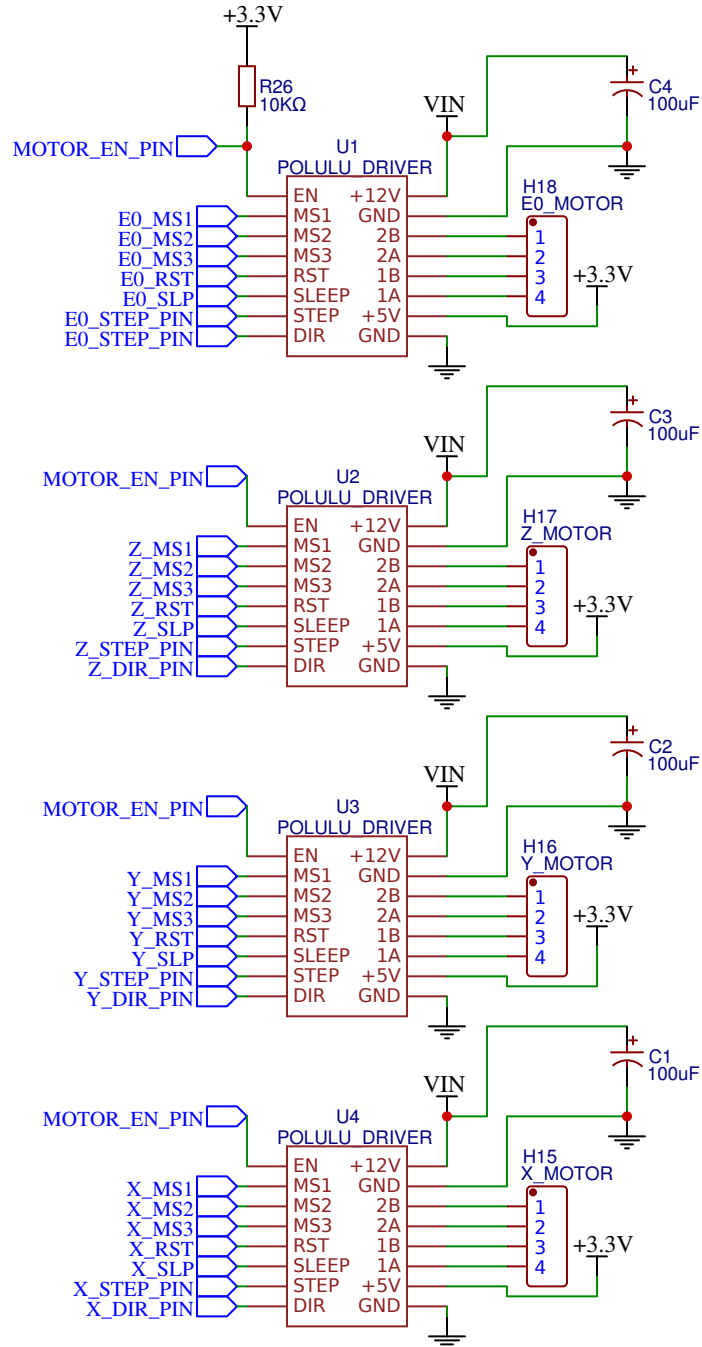
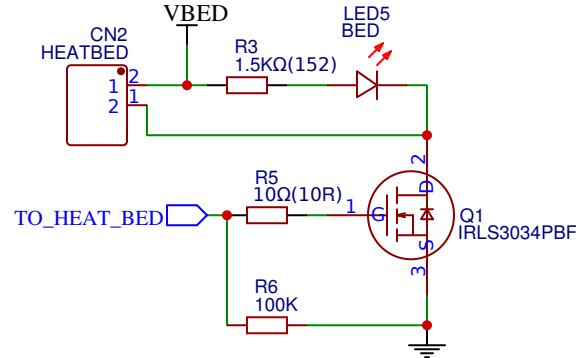


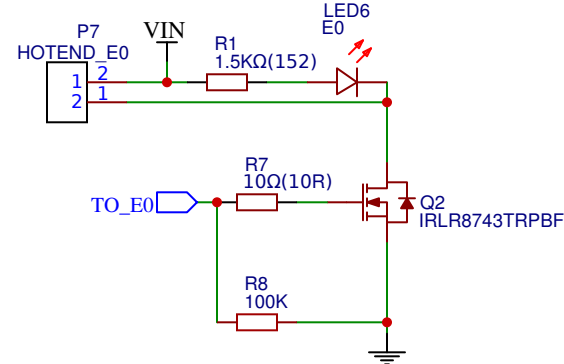
## Stepper drivers



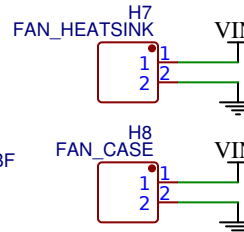
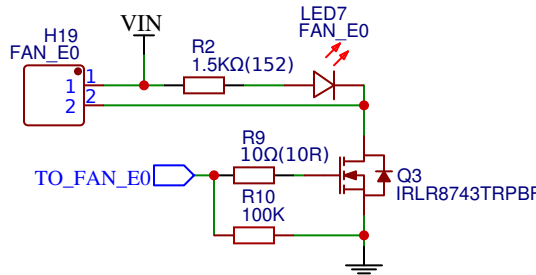
## Heater: Bed



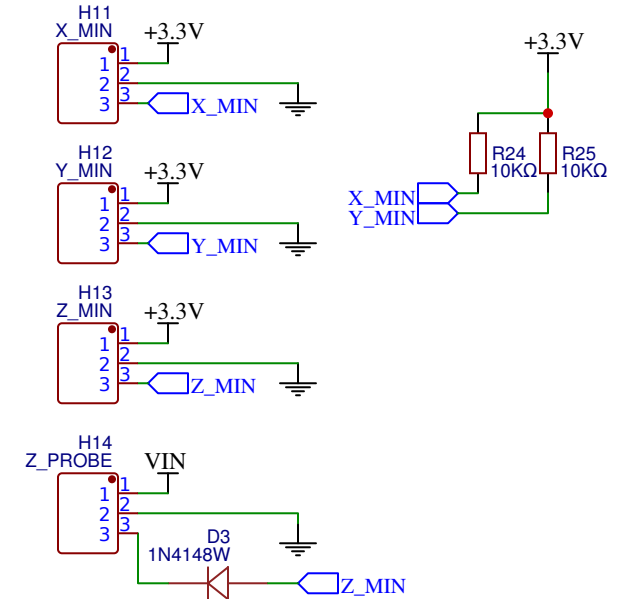
## Heater: Hotend



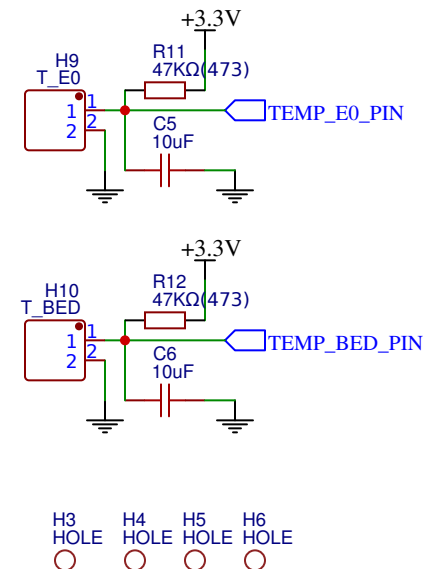
## Fans



## Endstops

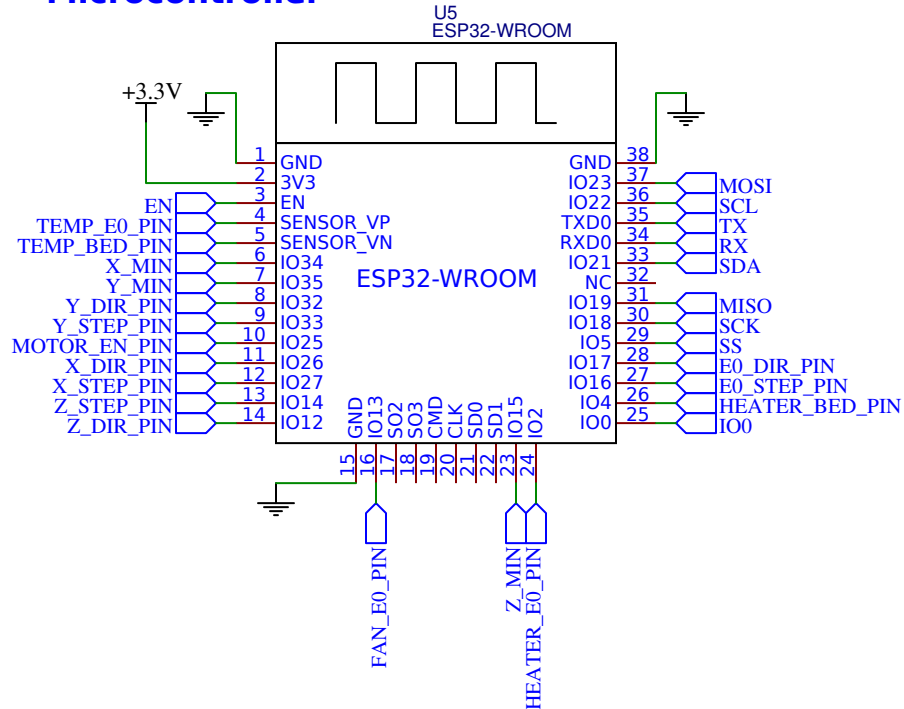


## Thermistors

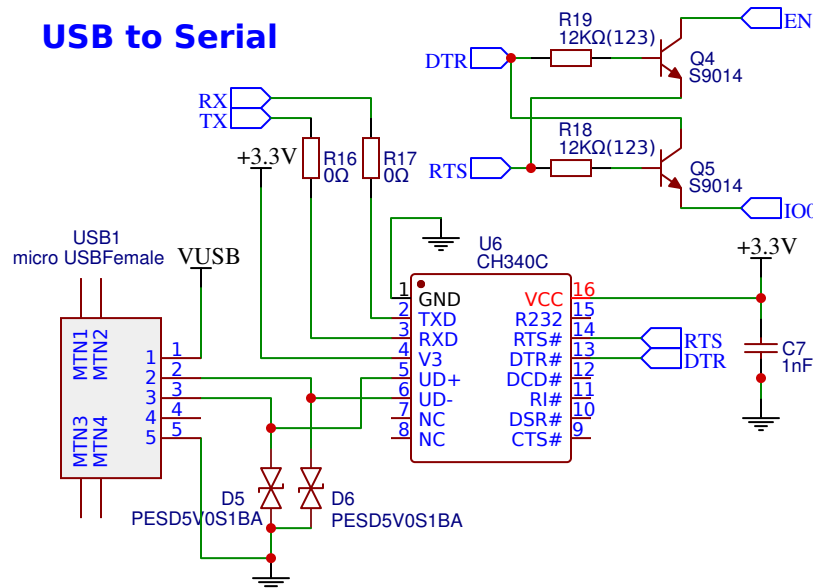


TITLE: MRR_ESP_3DP			REV: 0.6
Date: 2018-12-18			Sheet: 1/3
EasyEDA V5.8.19		Drawn By: vivianng	

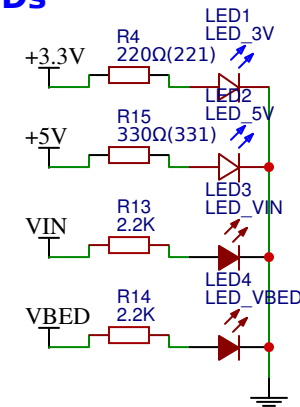
## Microcontroller



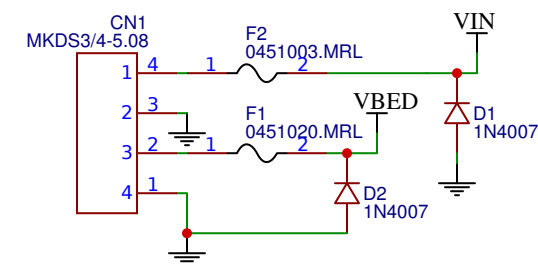
## USB to Serial



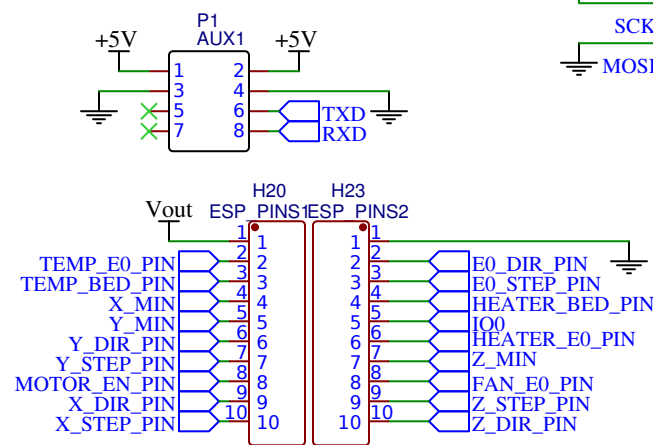
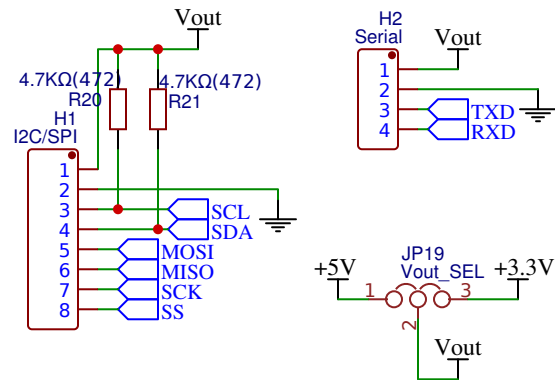
## LEDs



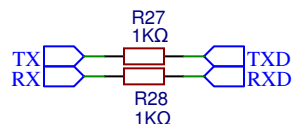
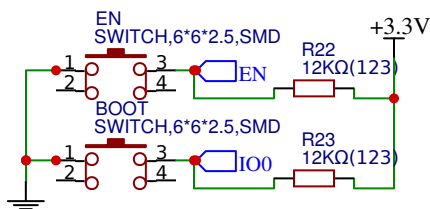
## Power input



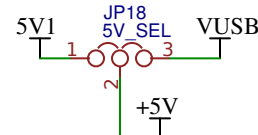
## Headers



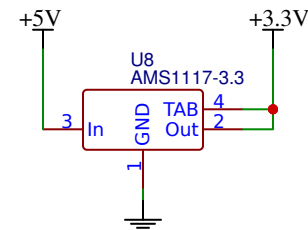
## Switches



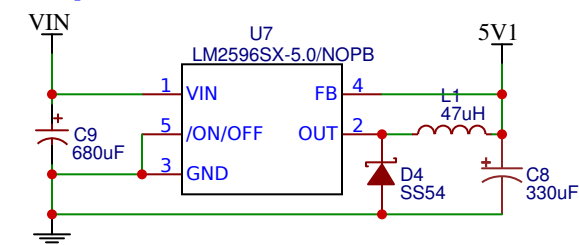
## 5V select



## Step-down: 3.3V

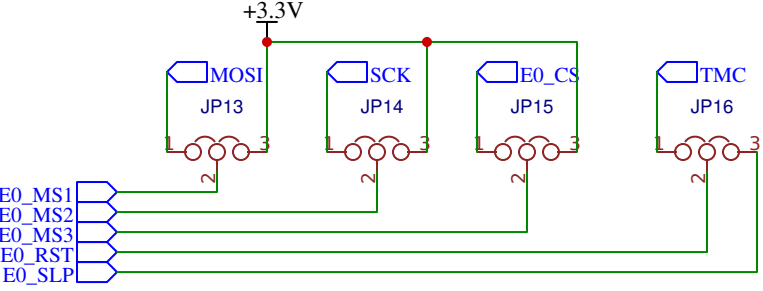
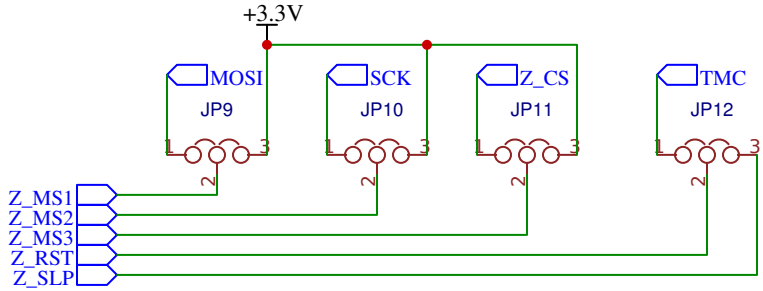
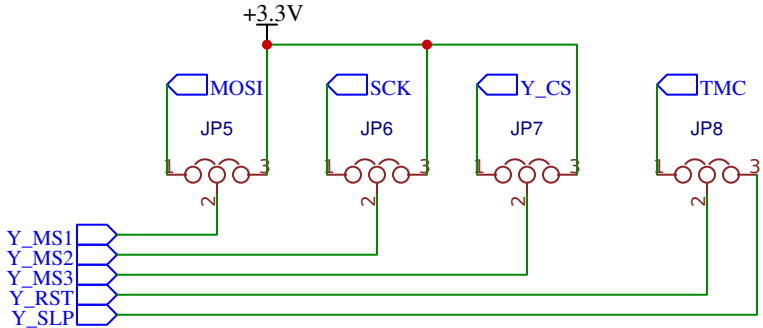
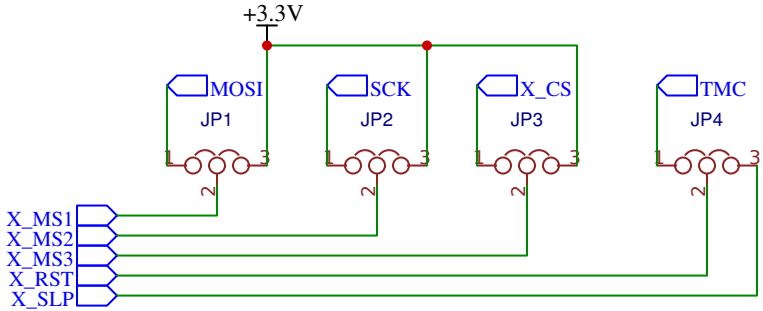


## Step-down: 5V

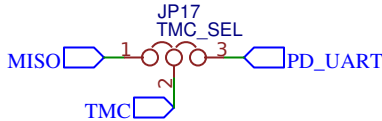


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MRR_ESP_3DP		Sheet: 2/3	
Date: 2018-12-18		EasyEDA V5.8.20	
		Drawn By: vivianng	

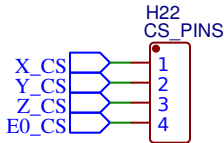
# Stepper driver jumpers



# TMC driver: SPI / UART select



# TMC SPI CS pins



# TMC driver: PD\_UART select

