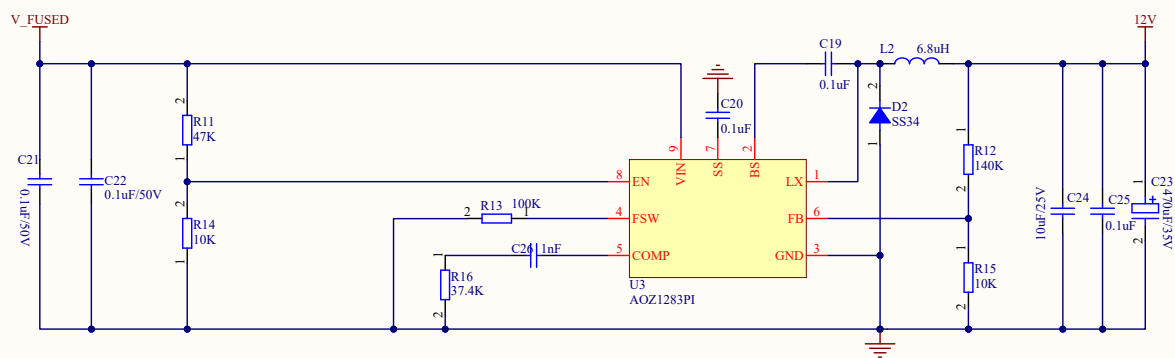
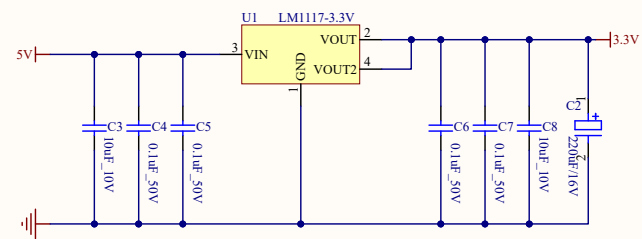
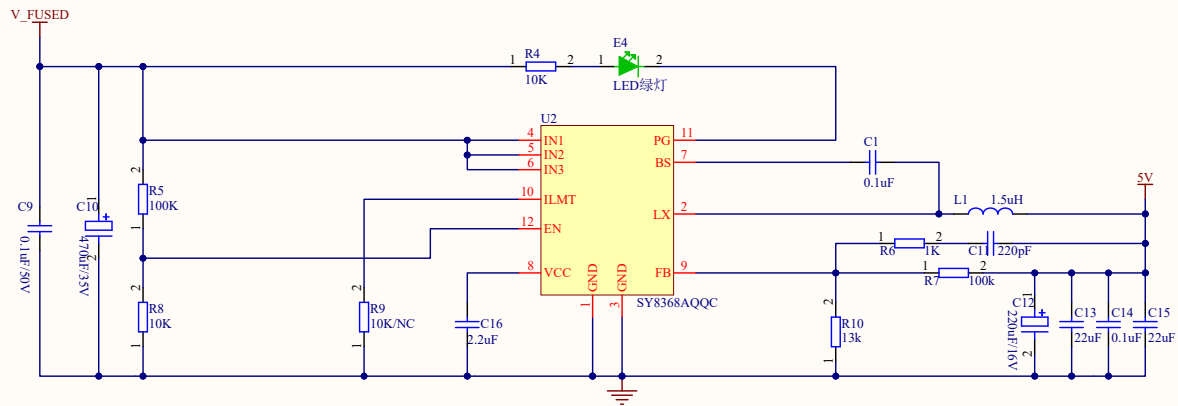
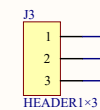
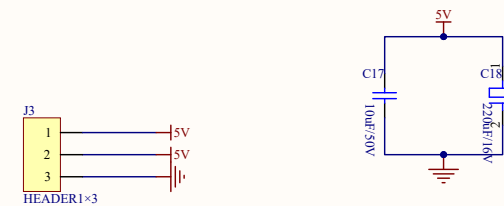


$$V_{OUT} = 0.6V \times (1 + R_7/R_{10})$$

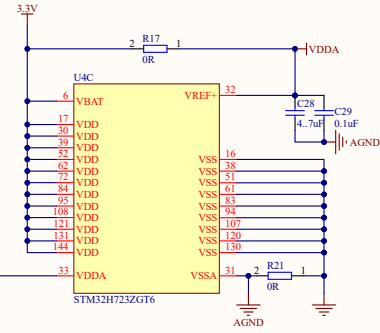
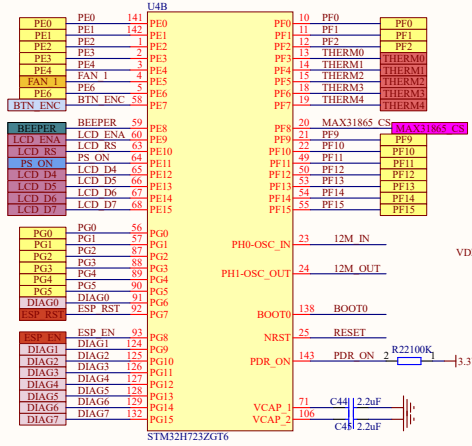
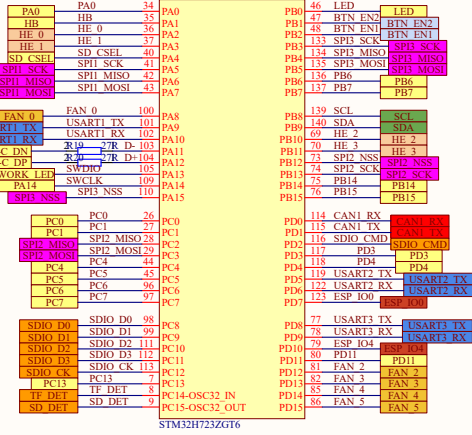


Raspberry PI Power Supply

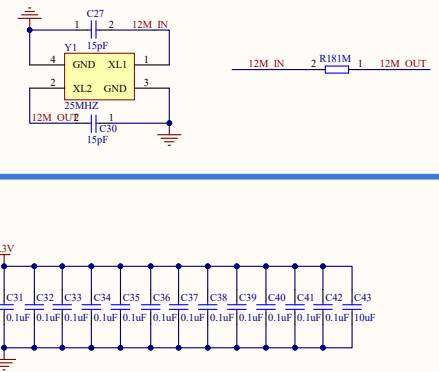


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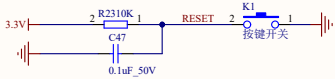
STM32H723ZGT6



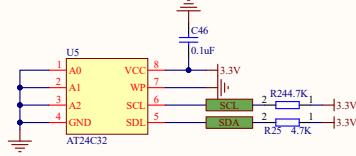
Crystal



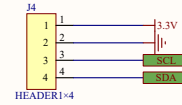
Reset



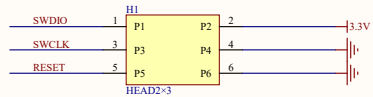
EEPROM



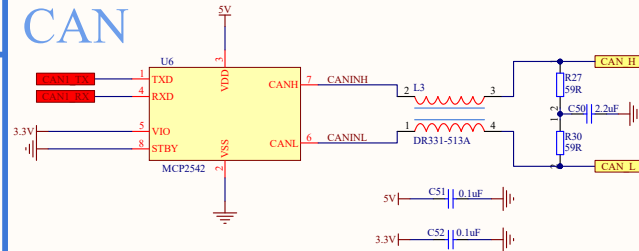
IIC



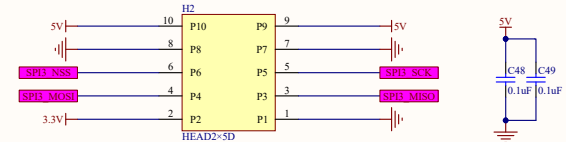
SWD



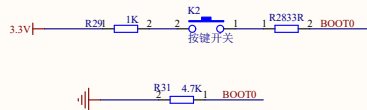
CAN



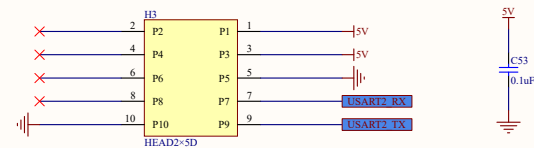
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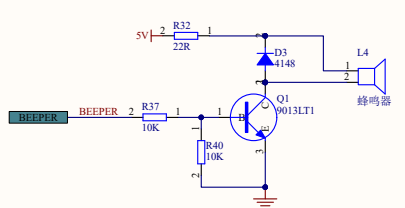
BOOT



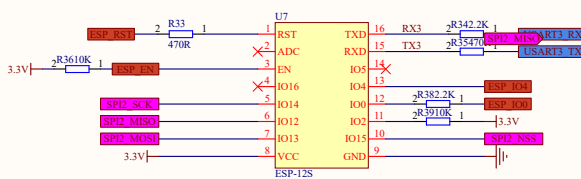
UART2



Buzzer



WIFI



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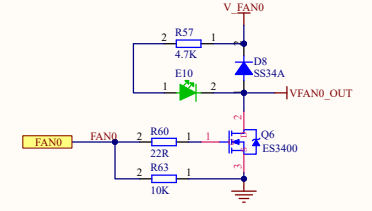
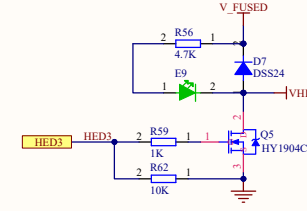
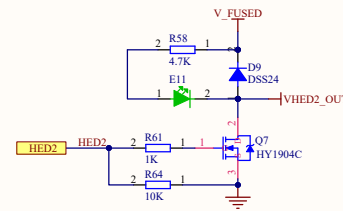
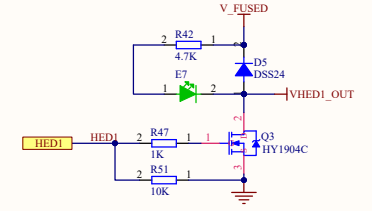
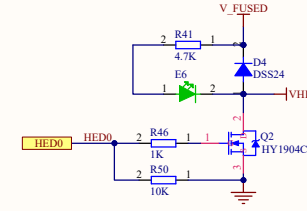
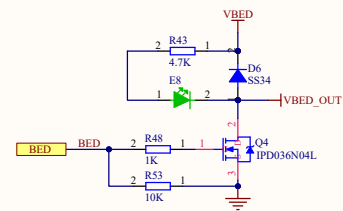
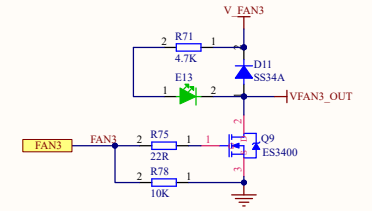
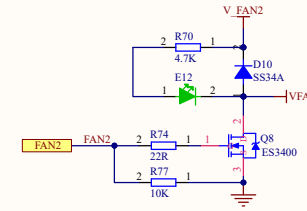
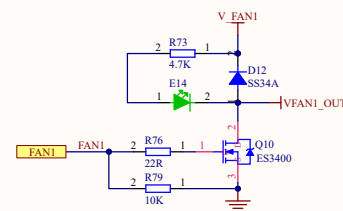


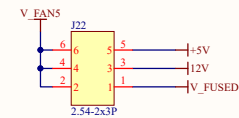
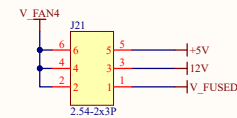
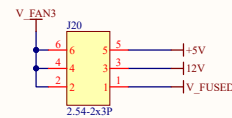
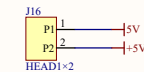
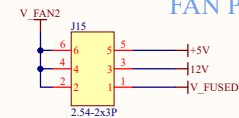
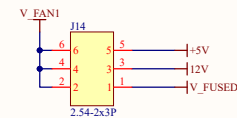
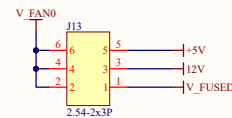
Figure 1 shows the schematic diagrams for the 12 channels of the 12-channel fan speed sensor. Each channel (J5, J6, J7, J8, J9, J10, J11, J12) consists of a yellow box representing the sensor module. The module has two pins, P1 and P2. Pin 1 is connected to a fan (V_FANx) and Pin 2 is connected to a fan speed output (VFANx_OUT). The connections are color-coded: blue for P1 and red for P2. The output is labeled HEAD1 x 2.



Pin connections for the KF128-8P module:

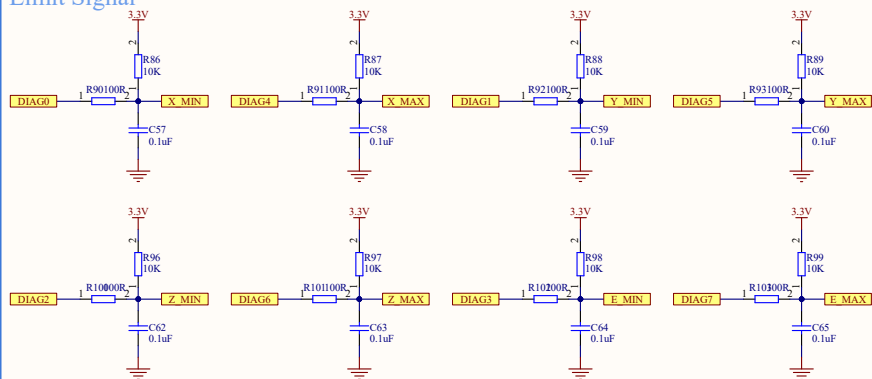
- Pin 1: V_FUSED
- Pin 2: VHED0_OUT
- Pin 3: V_FUSED
- Pin 4: VHED1_OUT
- Pin 5: V_FUSED
- Pin 6: VHED2_OUT
- Pin 7: V_FUSED
- Pin 8: VHED3_OUT

Module label: J17, KF128-8P

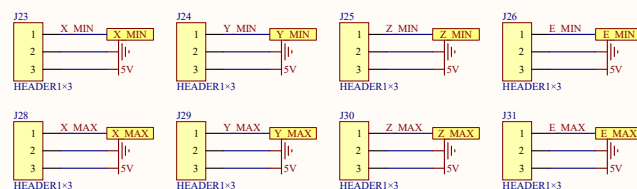


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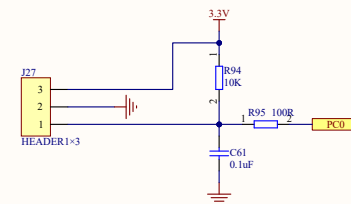
Limit Signal



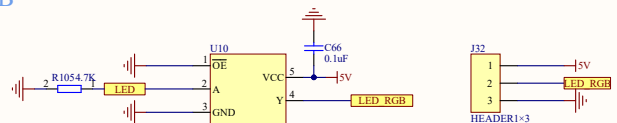
Limit Sensor Interface



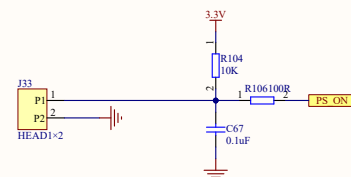
PWR-DET



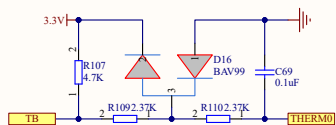
RGB



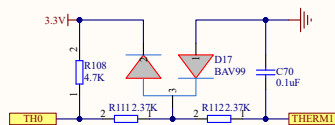
PS-ON



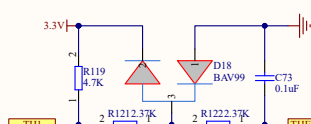
Hot Bed Temperature Sensor



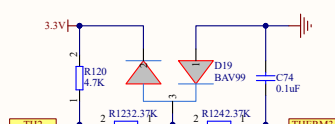
Heating Rod Temperature Sensor①



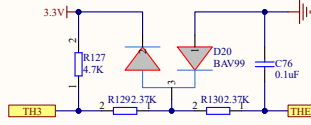
Heating Rod Temperature Sensor②



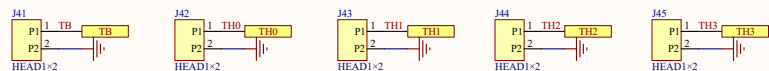
Heating Rod Temperature Sensor③



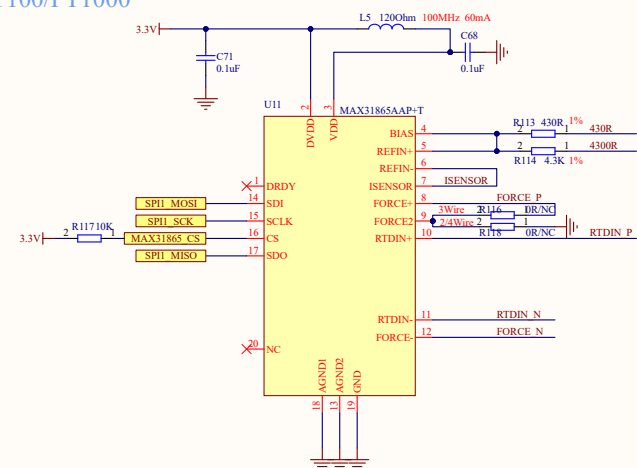
Heating Rod Temperature Sensor④



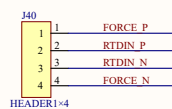
Temperature Sensor Interface



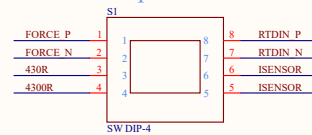
PT100/PT1000



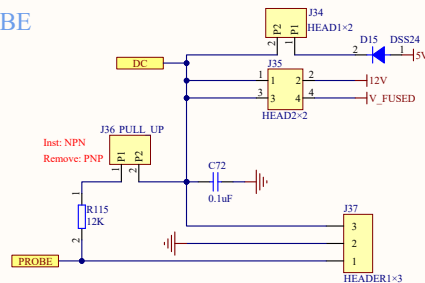
PT100/PT1000



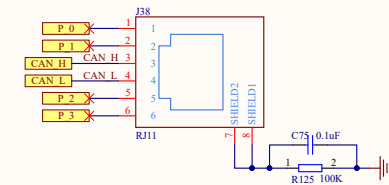
Dip Switch



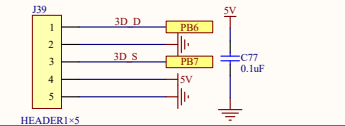
PROBE



CAN

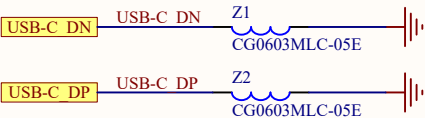
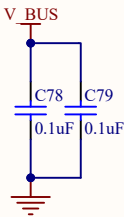
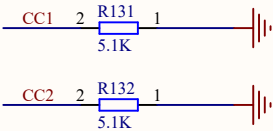
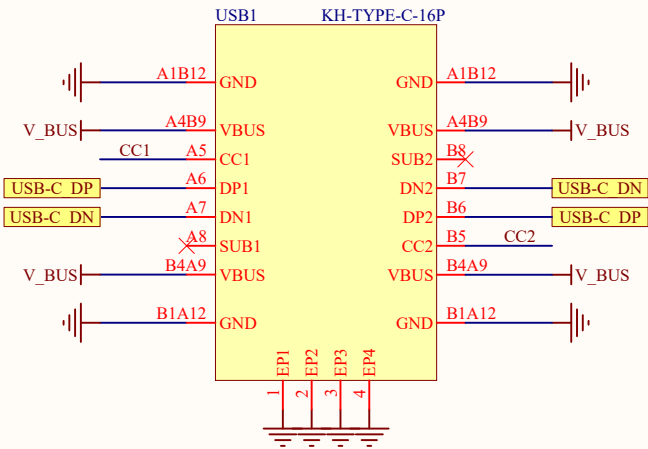


BL-Touch

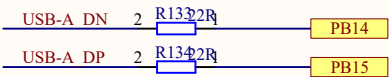
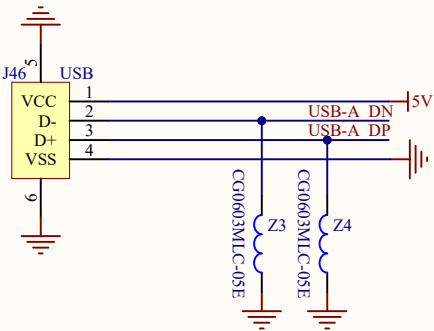


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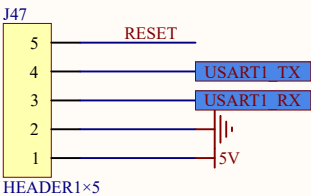


USB-A

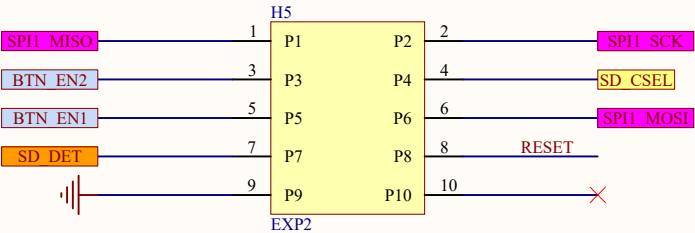
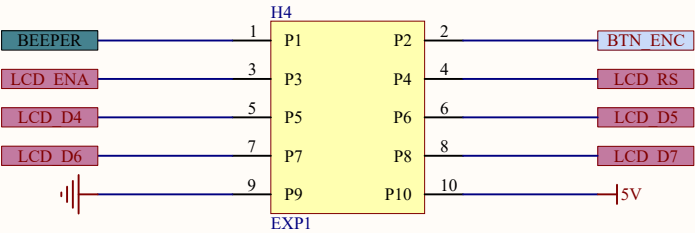


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Serial Screen Interface

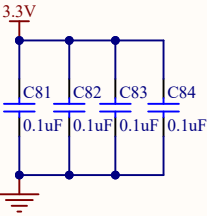
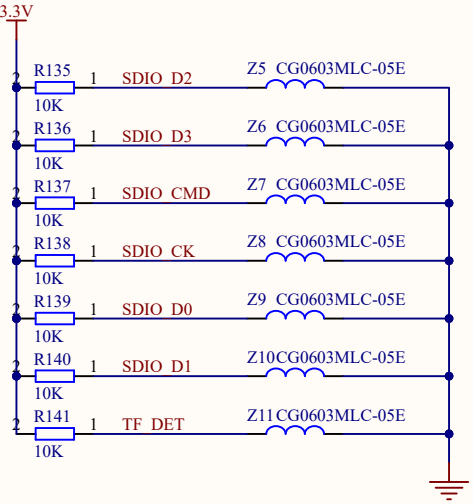
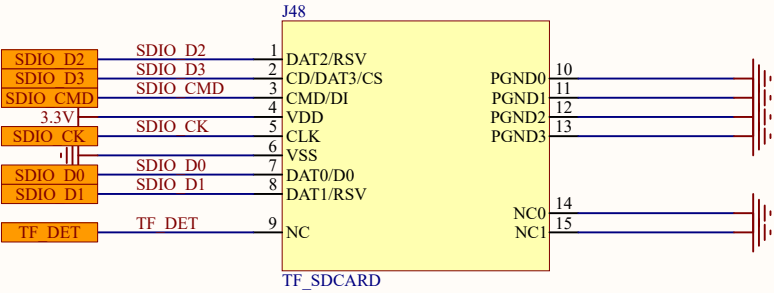


12864 Screen



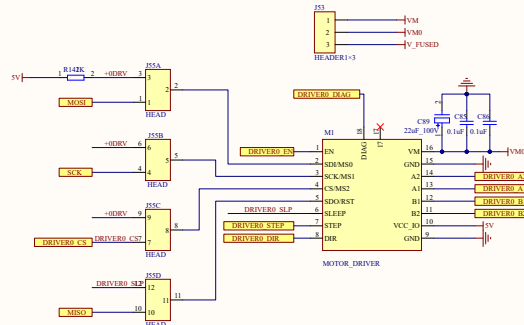
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Micro SD

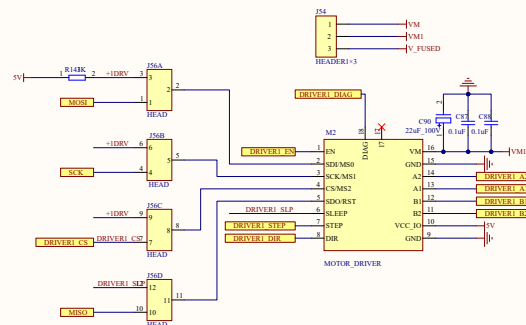


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MOTOR0



MOTOR1



MOTOR0



MOTOR1



MOTOR2

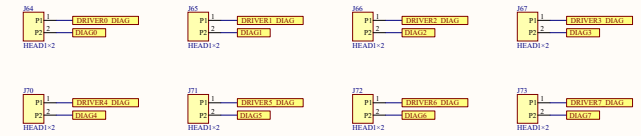


MOTOR3

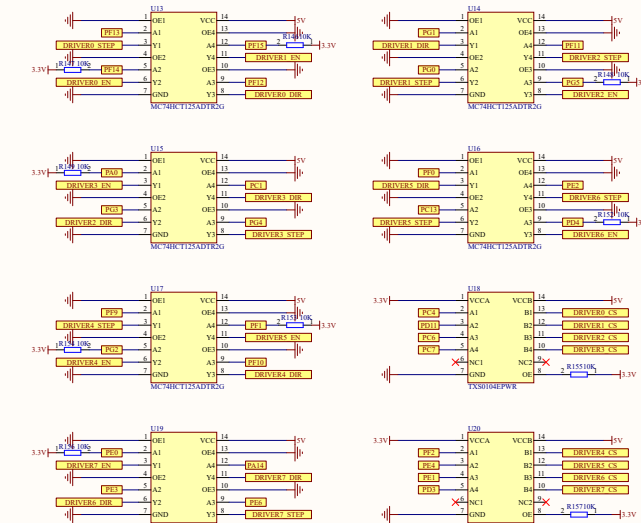


Motor Interface

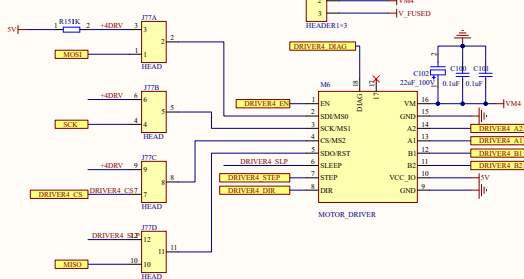
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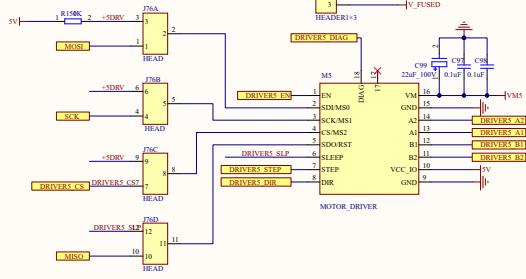
Voltage-Level Shifter



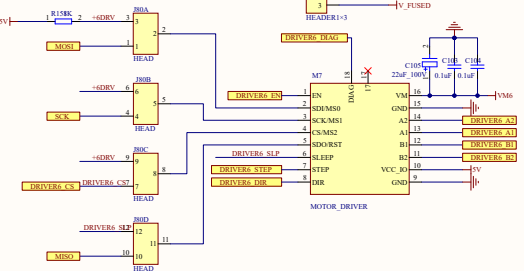
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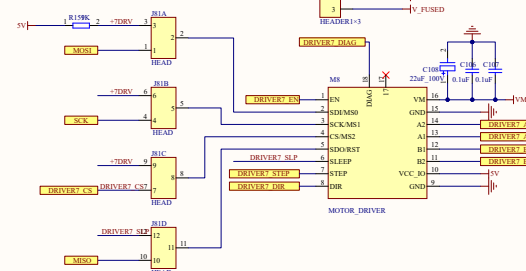
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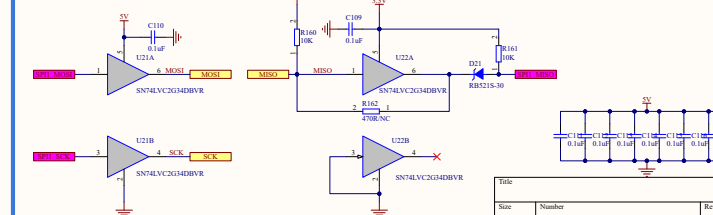
MOTOR6



MOTOR7



SPI Voltage-Level Shifter



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