

[illegible]

Battery reference voltage

12Vcc

R14 3k9

R4 470R

MM3Z5V1STIG

BRV MCU A4

R15 1k

C4 100n

D14

C14 220n

GND

[illegible]

Manifold Air Pressure Sensor  
(internal can be used as baro)

The diagram shows the internal circuit of the Manifold Air Pressure Sensor (MPXH6400A) connected to a microcontroller (MCU). The sensor's output (Vout) is connected to the MCU's A5 pin. The sensor's internal barometer (D6) is connected to the MCU's A3 pin. The circuit includes resistors R6 (750R), R17 (750R), and R107 (1M), and capacitors C16 (220n) and C18 (220n).

Spare analog input

5V

D7  
RB521S30T1G

A15

R7  
470R

MCU A15

R59  
1M

C6  
100n

D17  
RB521S30T1G

C17  
220n

GND

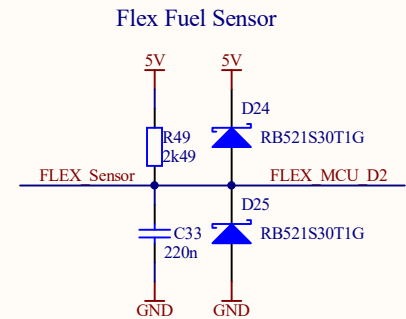
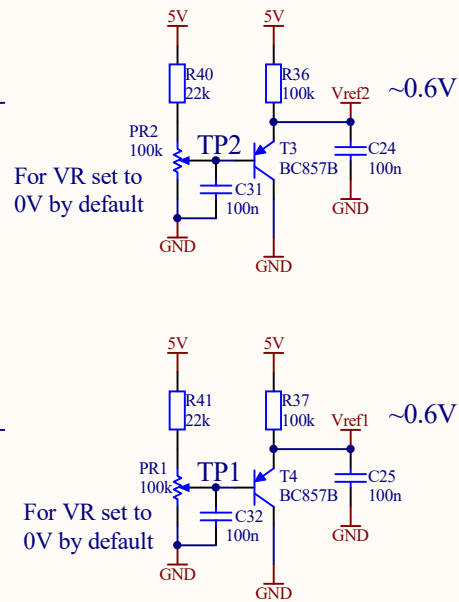
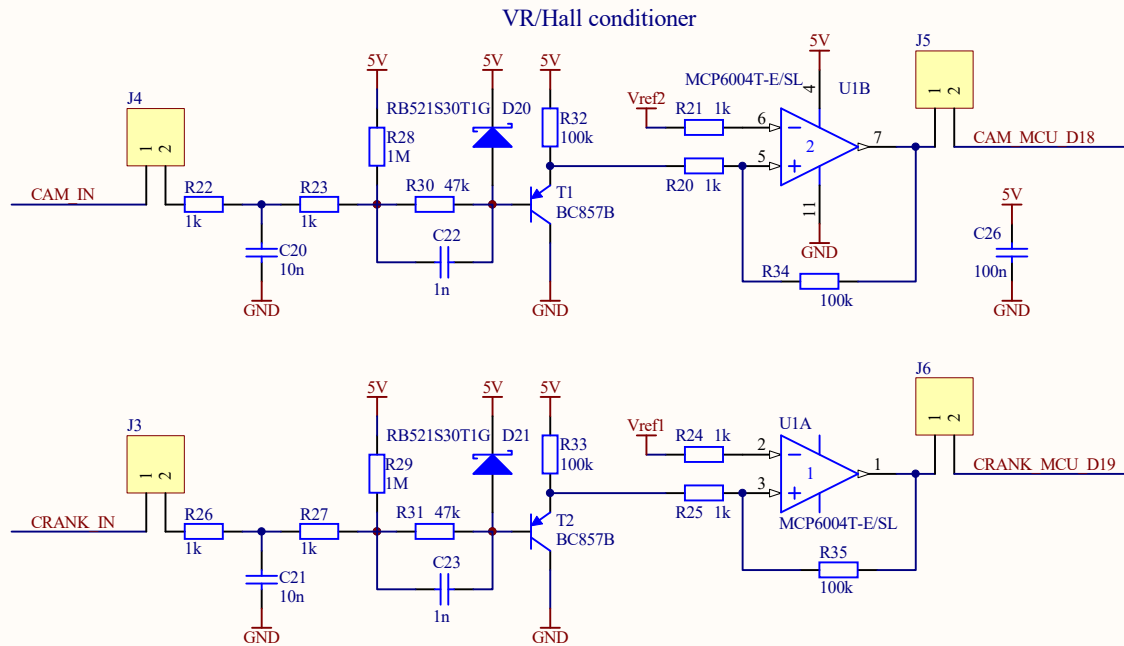
GND

GND

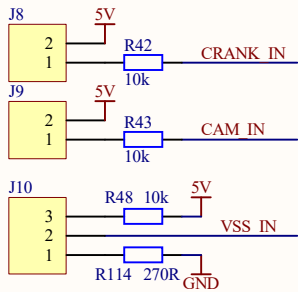
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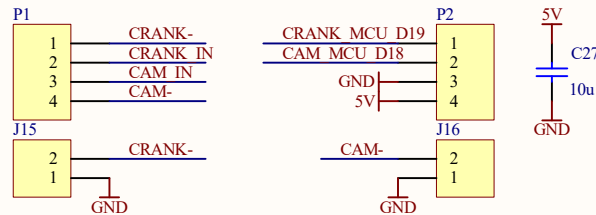
Title			Analog inputs and sensors		
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A4					
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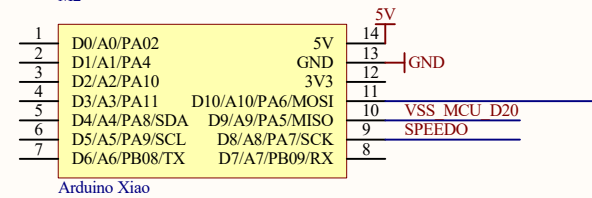
### pull-up



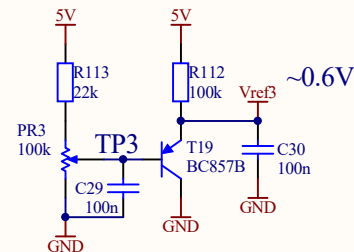
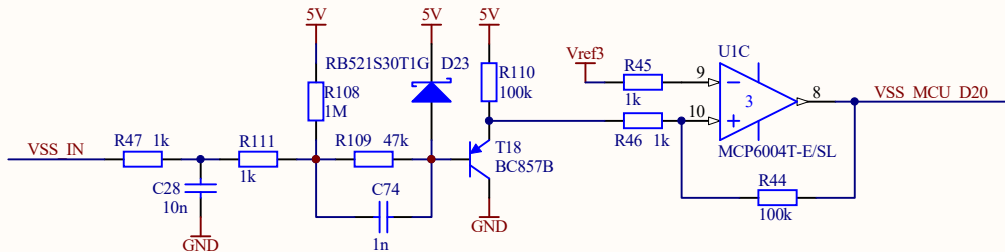
### external conditioner



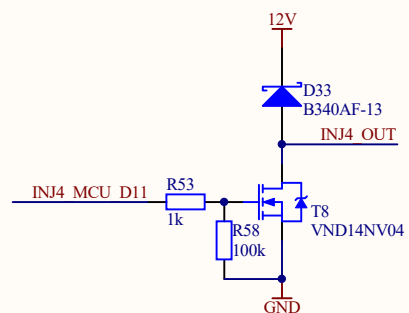
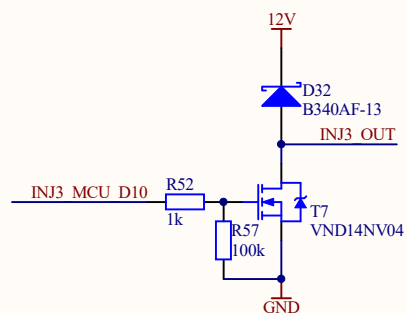
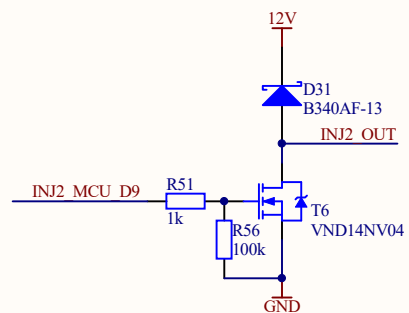
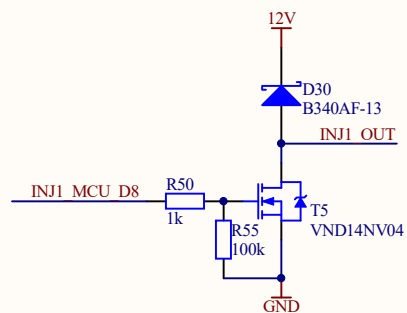
### speedometer output signal synthesys



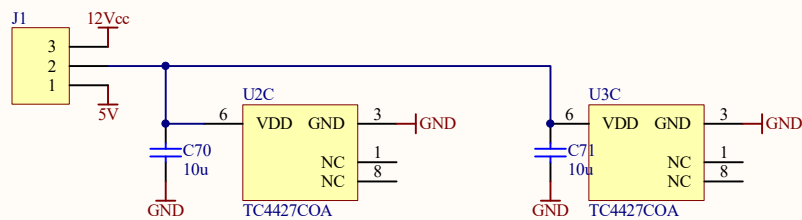
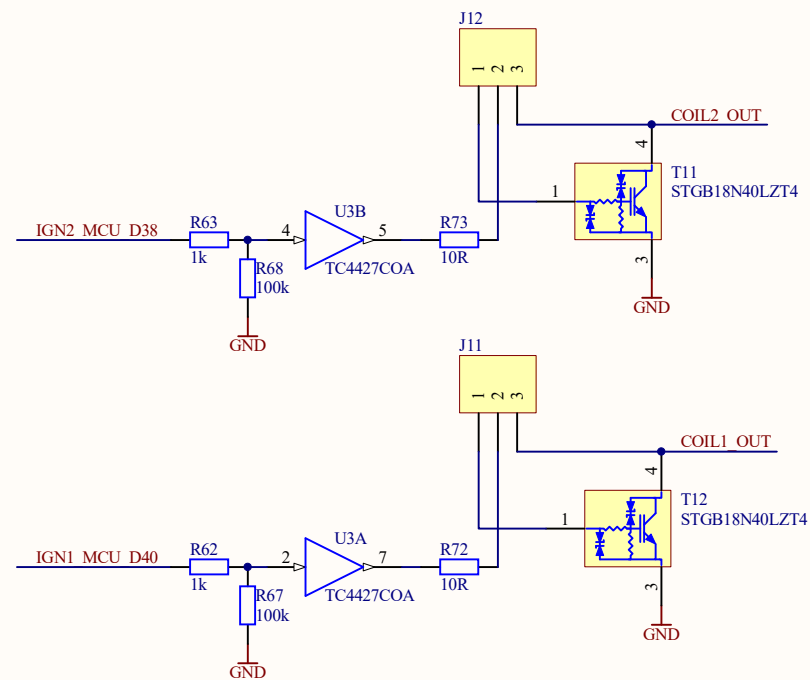
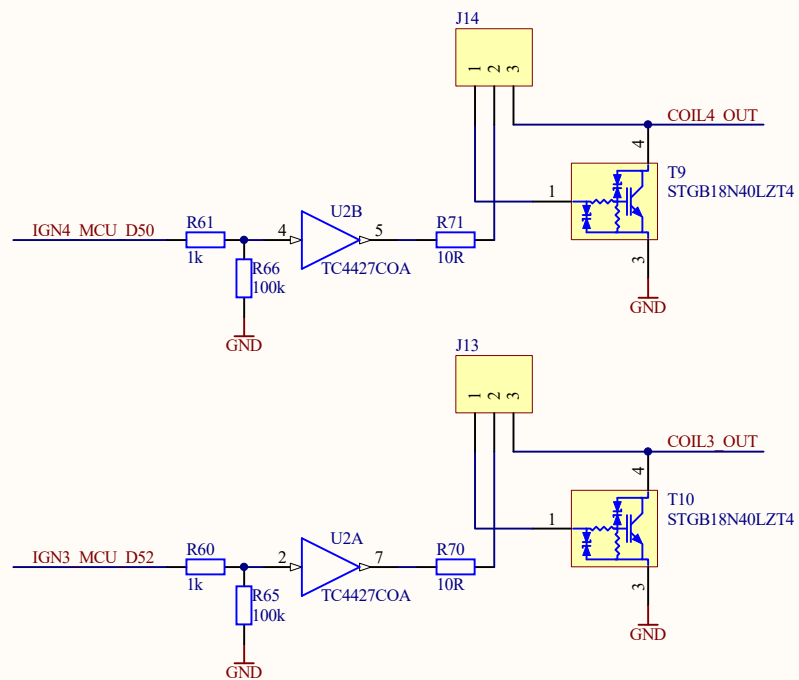
### Vehicle Speed Input



Title		
Frequency inputs (Crank, Cam, VSS etc.)		
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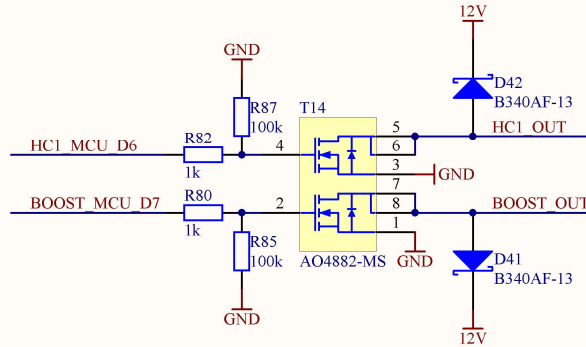
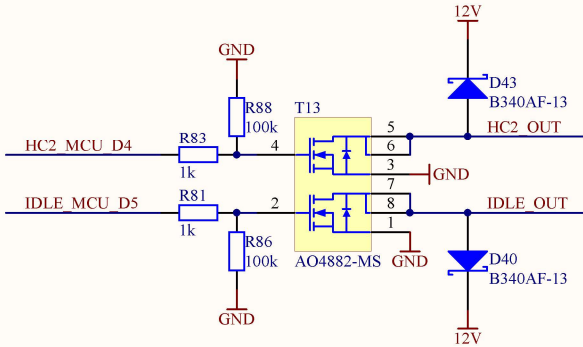


Title Injectors		
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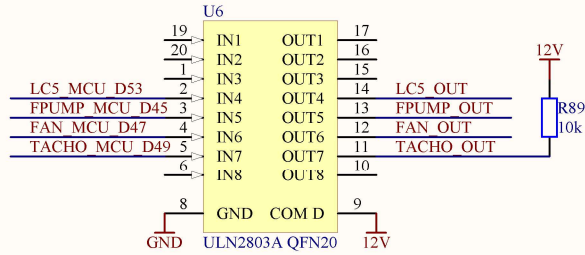


Title Ignition		
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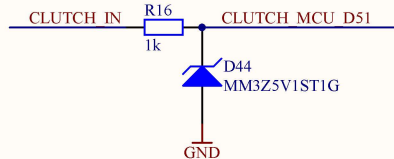
High current outputs



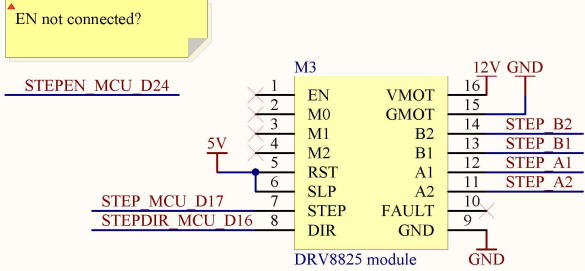
Low current outputs



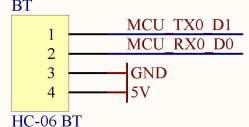
Clutch input



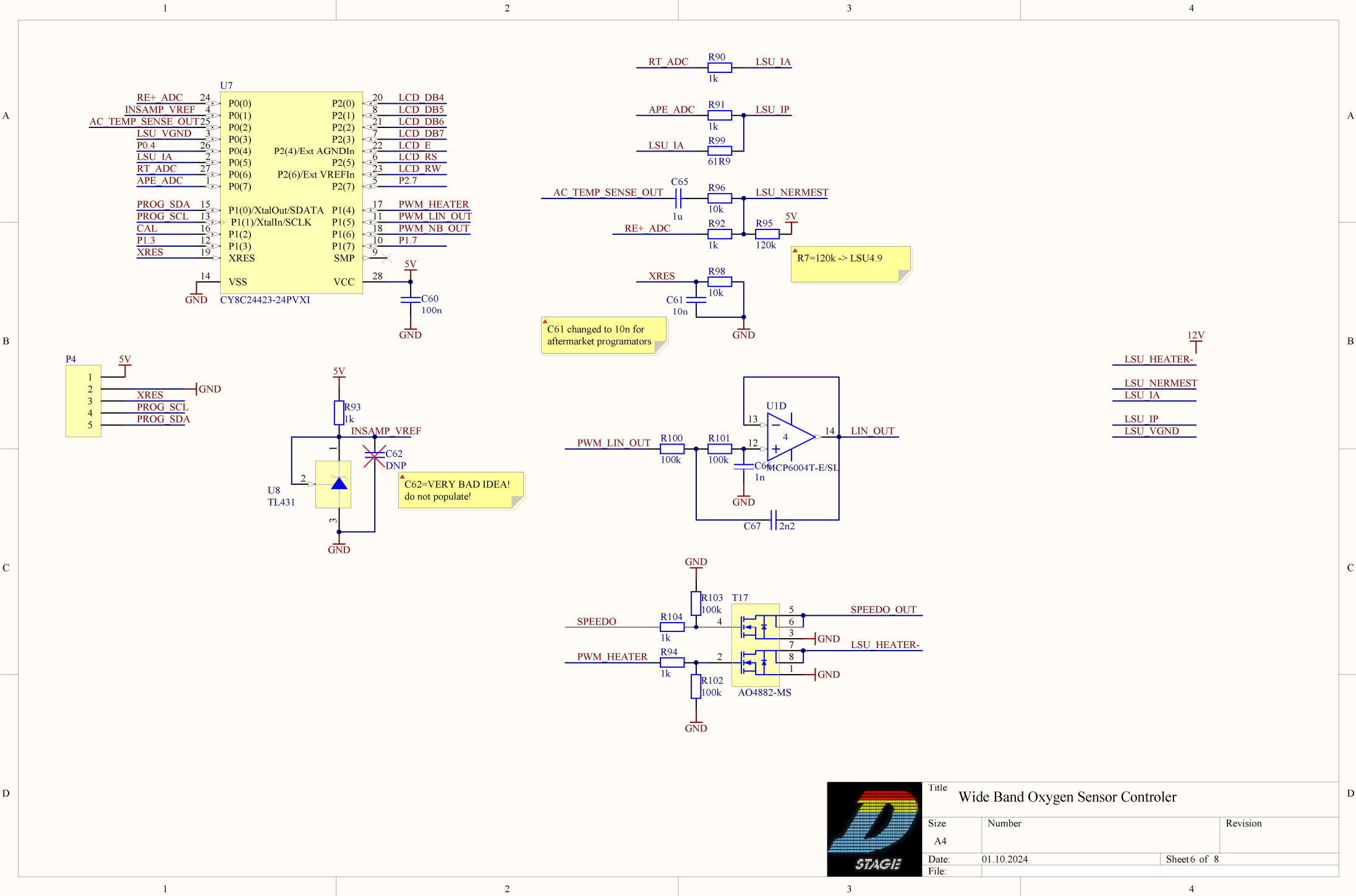
Stepper motor driver module

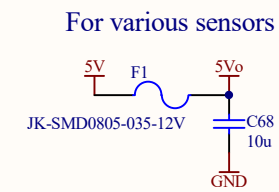
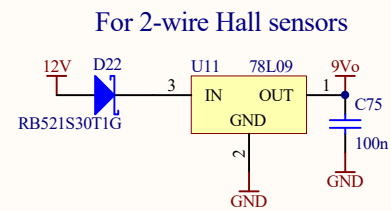
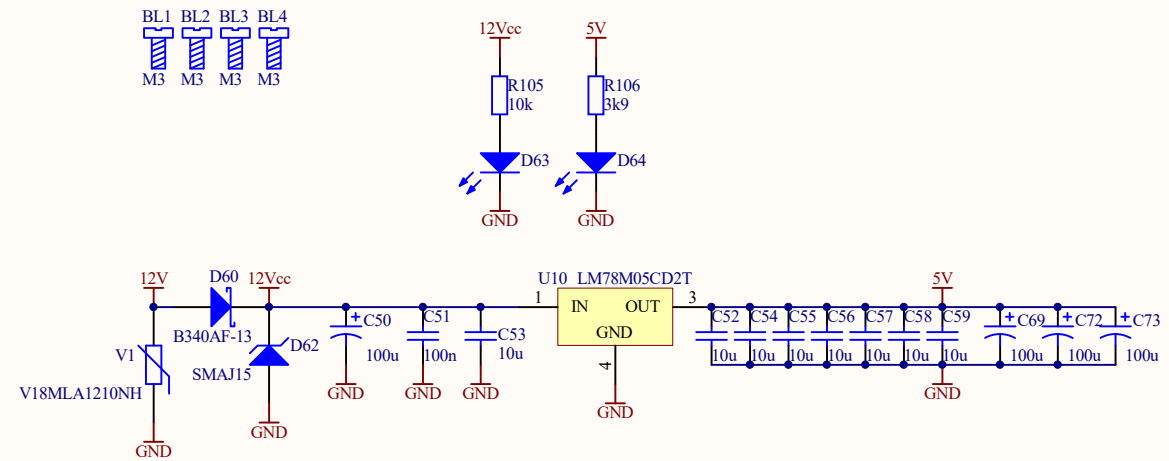
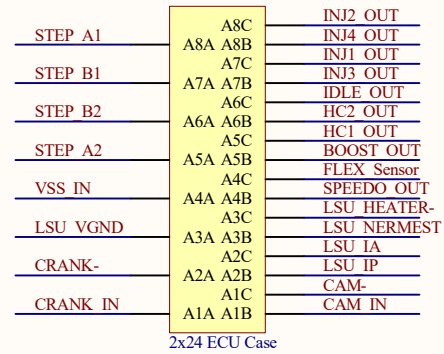
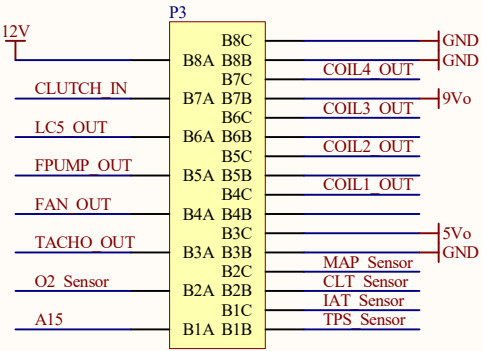



HC-06 Bluetooth module

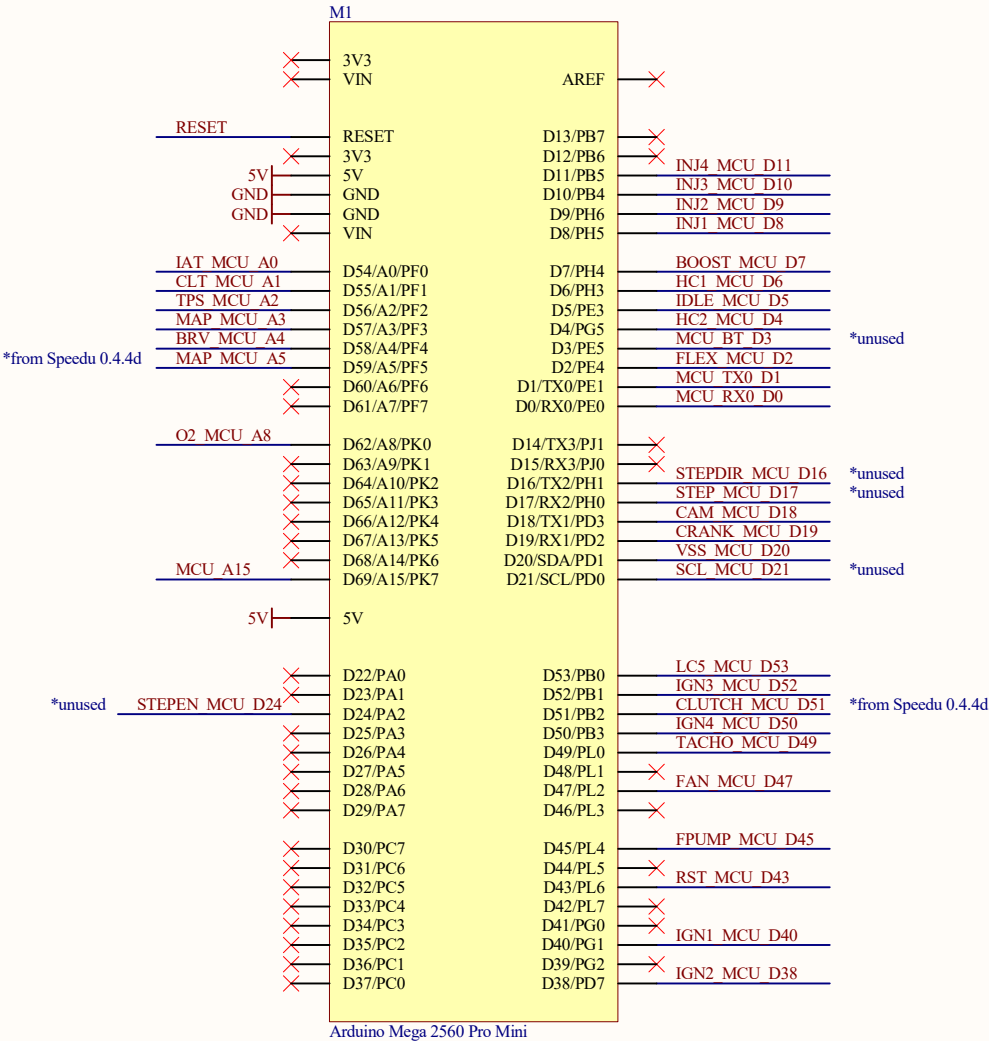


Title Miscellaneous outputs/inputs (Low/High current, Bluetooth)		
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	Title Power and connectors		
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Title			Microcontroller module (MCU)
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