

OFF PAGES CONNECTIONS

2 UART.RX << UART.RX
2 UART.TX >> UART.TX
2 UART.ENABLE >> UART.ENABLE

CPU

3 +24V < +24V
2,4 +5V < +5V
2,3 +3V3 < +3V3
2,3,4 GND < GND

24V IN



RS485

5V

3V3

VOLTRIS

Designer: MLJ
Date: Feb 21, 2024

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OFF PAGES CONNECTIONS

1 UART.RX << UART.RX
1 UART.TX >> UART.TX
1 UART.ENABLE >> UART.ENABLE

RS422

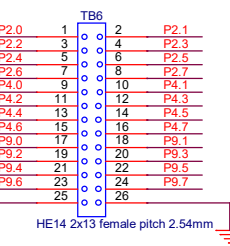
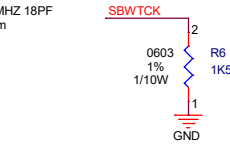
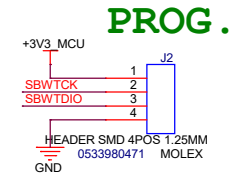
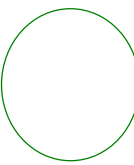
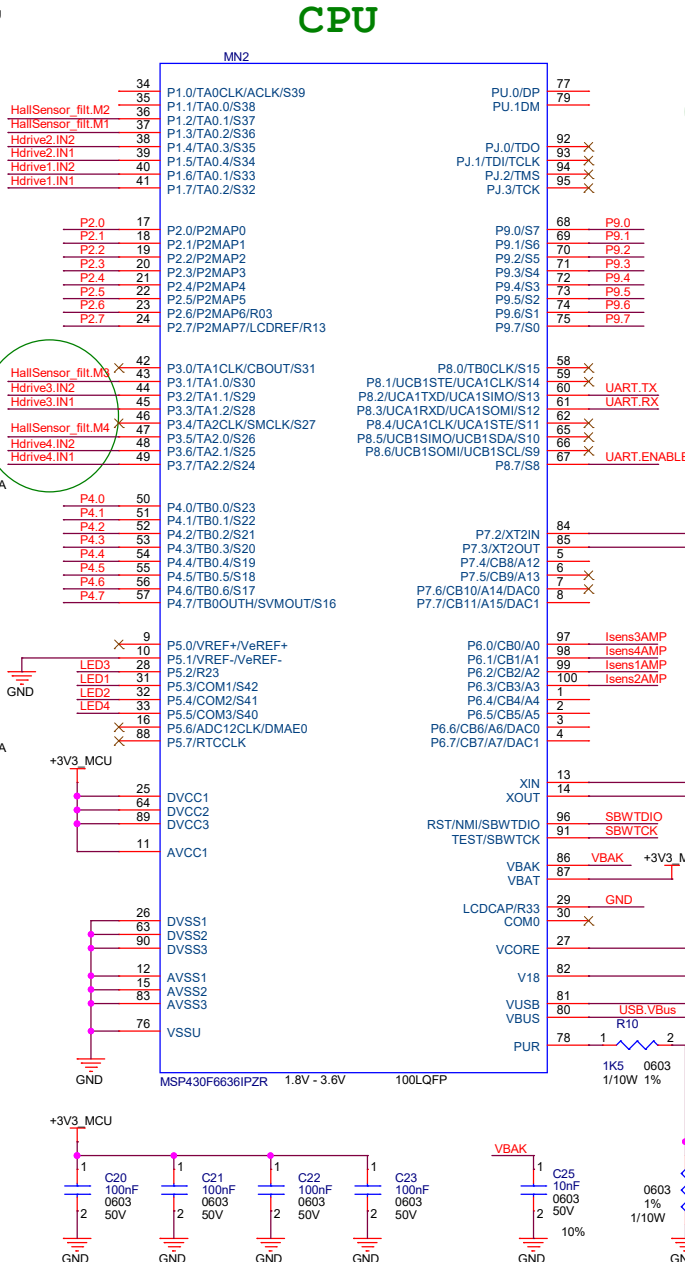
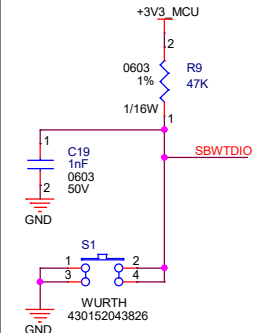
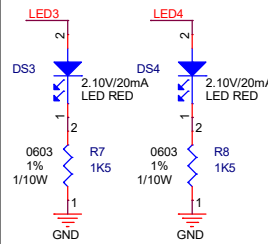
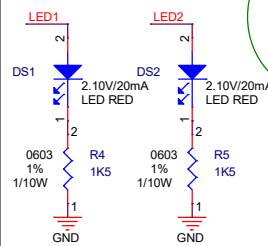
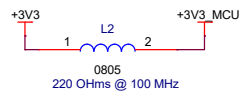
3 Hdrive1.IN1 << Hdrive1.IN1
3 Hdrive1.IN2 << Hdrive1.IN2
3 Hdrive2.IN1 << Hdrive2.IN1
3 Hdrive2.IN2 << Hdrive2.IN2
3 Hdrive3.IN1 << Hdrive3.IN1
3 Hdrive3.IN2 << Hdrive3.IN2
3 Hdrive4.IN1 << Hdrive4.IN1
3 Hdrive4.IN2 << Hdrive4.IN2

MOTORS

3 Isens1AMP >> Isens1AMP
3 Isens2AMP >> Isens2AMP
3 Isens3AMP >> Isens3AMP
3 Isens4AMP >> Isens4AMP

4 HallSensor_filt.M1 >> HallSensor_filt.M1
4 HallSensor_filt.M2 >> HallSensor_filt.M2
4 HallSensor_filt.M3 >> HallSensor_filt.M3
4 HallSensor_filt.M4 >> HallSensor_filt.M4

1,4 +5V << +5V
1,3 +3V3 << +3V3
1,3,4 GND << GND



VOLTIRIS		
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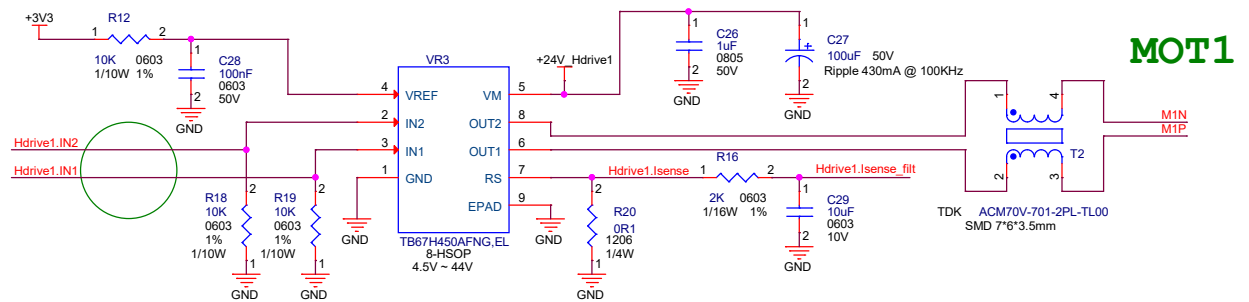
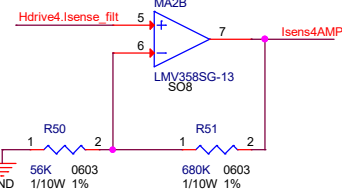
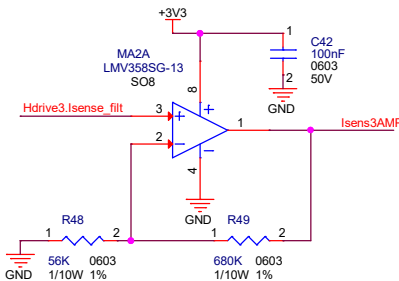
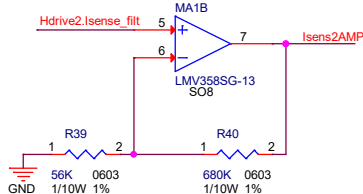
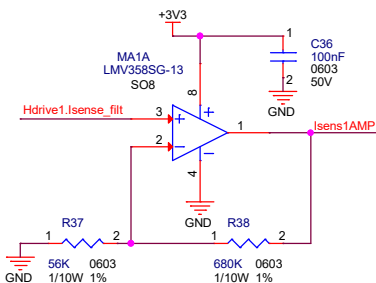
CPU



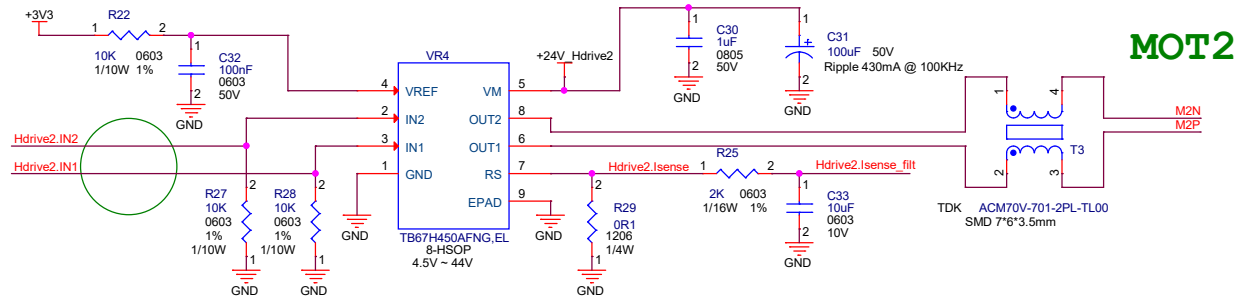
CONN.



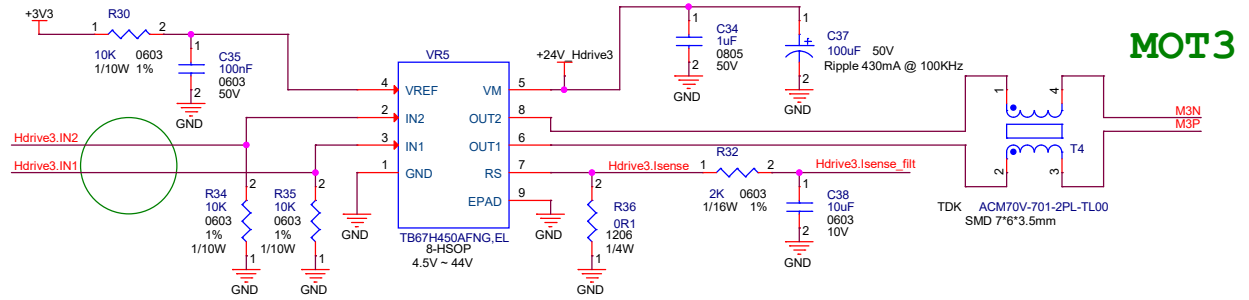
CURRENT AMPLIFIERS



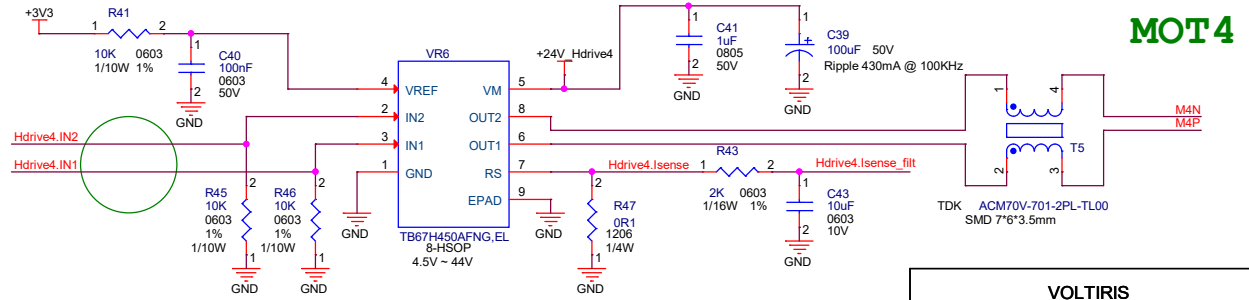
MOT1



MOT2



MOT3



MOT4

VOLTIRIS

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OFF PAGES CONNECTIONS

2 HallSensor_filt.M1 <-> HallSensor_filt.M1
2 HallSensor_filt.M2 <-> HallSensor_filt.M2
2 HallSensor_filt.M3 <-> HallSensor_filt.M3
2 HallSensor_filt.M4 <-> HallSensor_filt.M4

CPU

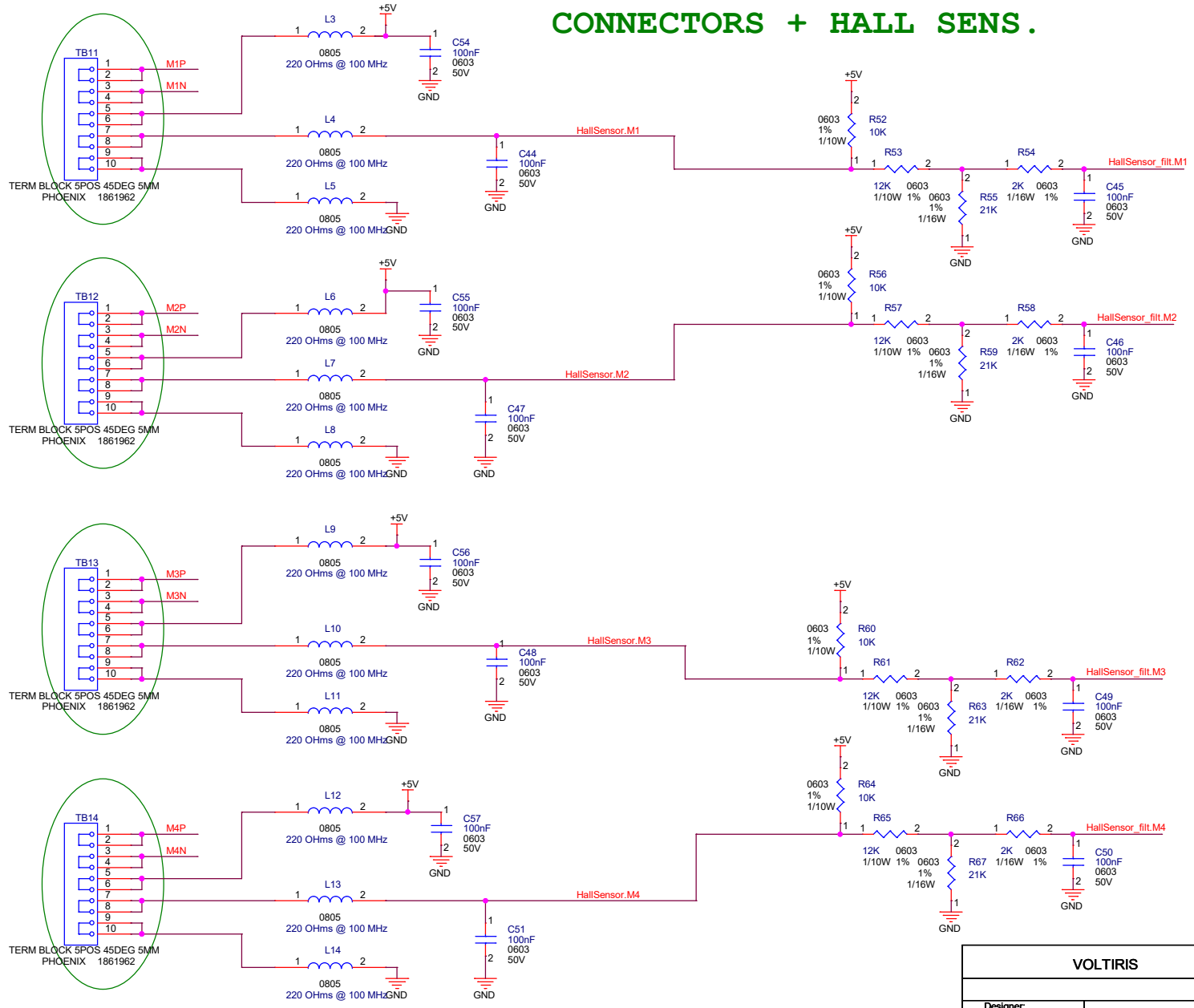
2 M1P <-> M1P
2 M1N <-> M1N
2 M2P <-> M2P
2 M2N <-> M2N
2 M3P <-> M3P
2 M3N <-> M3N
2 M4P <-> M4P
2 M4N <-> M4N

MOTOR DRIVERS



1,2 +5V <-> +5V
1,2,3 +3V3 <-> +3V3
1,2,3 GND <-> GND

CONNECTORS + HALL SENS.



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