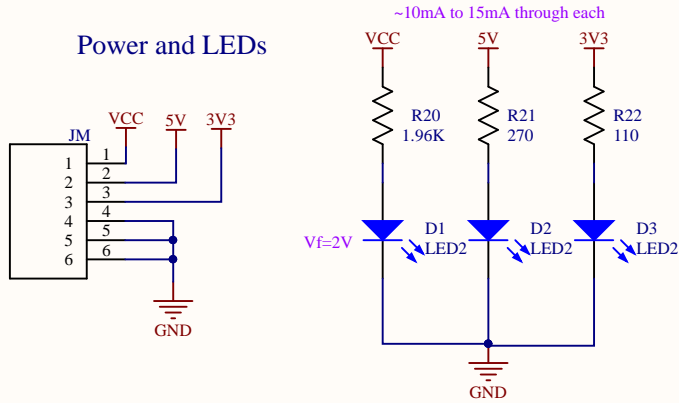
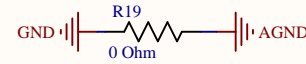


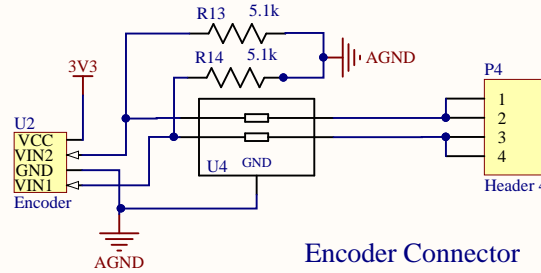
Power and LEDs



Ground Separation

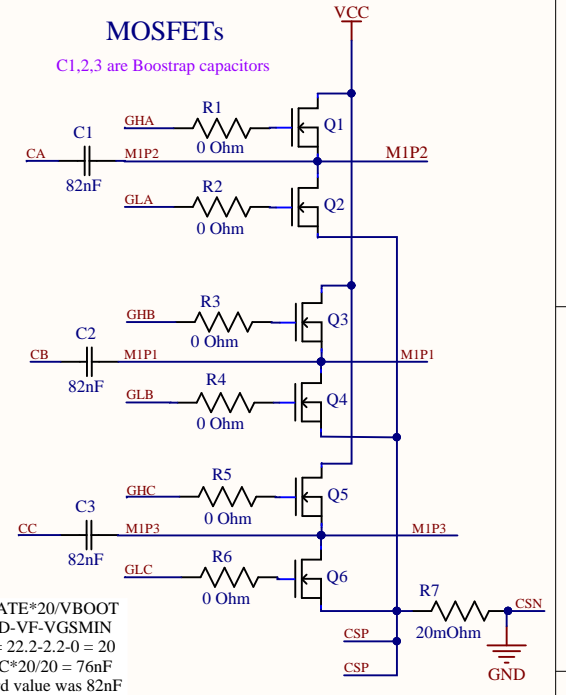


Encoder Connector



MOSFETs

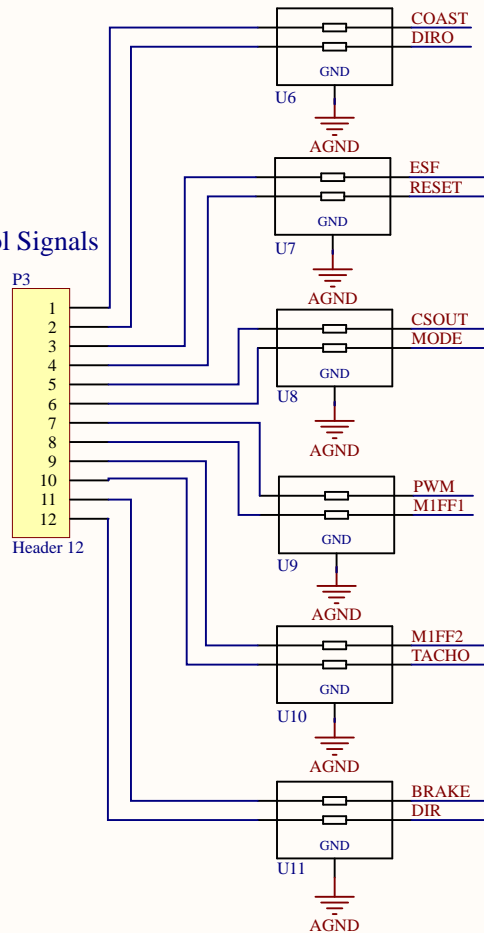
C1,2,3 are Bootstrap capacitors



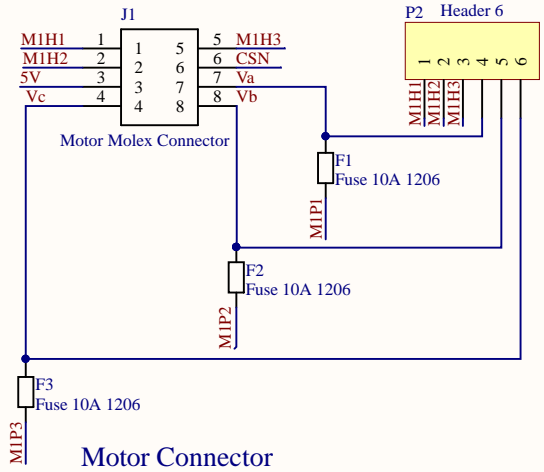
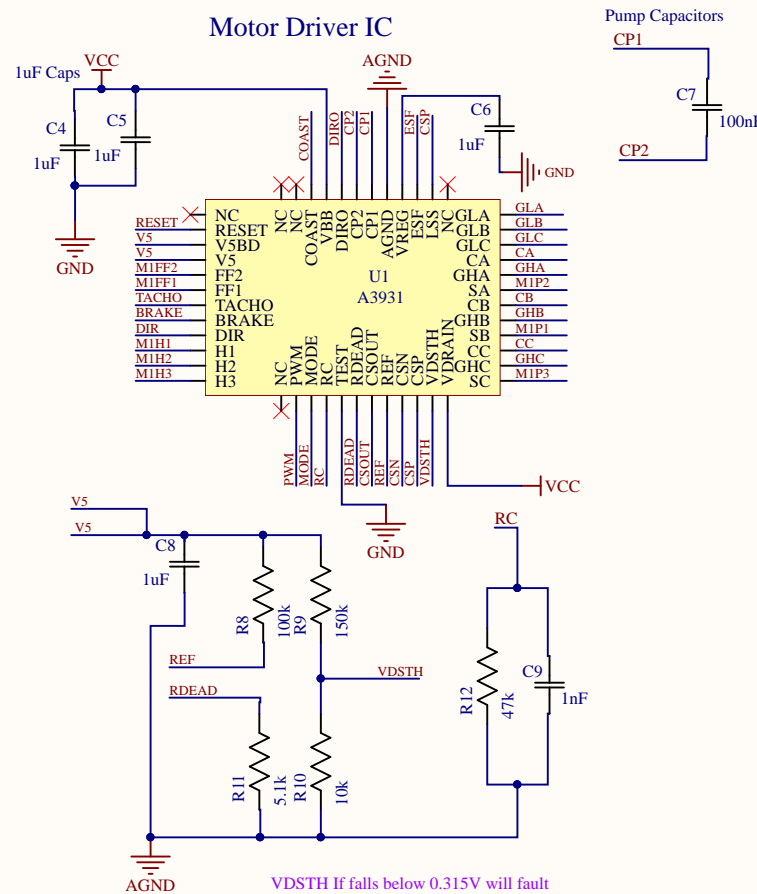
CBOOT = QGATE*20/VBOOT
VBOOT = VDD-VF-VGSMIN
VBOOTMIN = 22.2-2.2-0 = 20
CBOOT = 76nC*20/20 = 76nF
Closest standard value was 82nF

R7=Rsense, low tolerance res

Control Signals

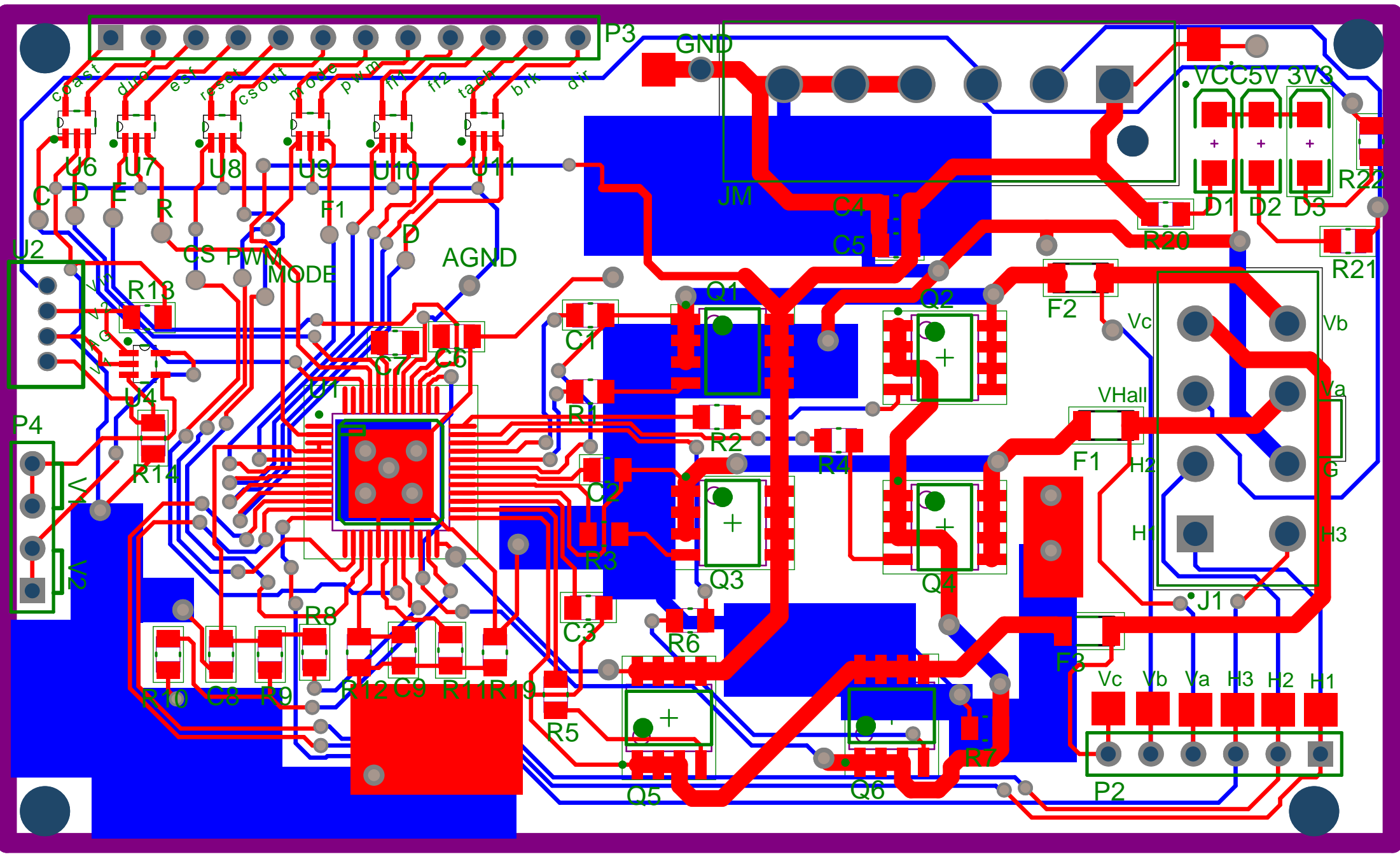


Motor Driver IC



Motor Connector

| | | | |
|--------------|--------------------------------------|-----------|----------|
| Title | | | |
| 3phasedriver | | | |
| Size | Number | | Revision |
| A4 | | | 2 |
| Date: | 2020-03-08 | Sheet | of |
| File: | C:\Users\...\motordriver-v2.0.SchDoc | Drawn By: | |



Boards