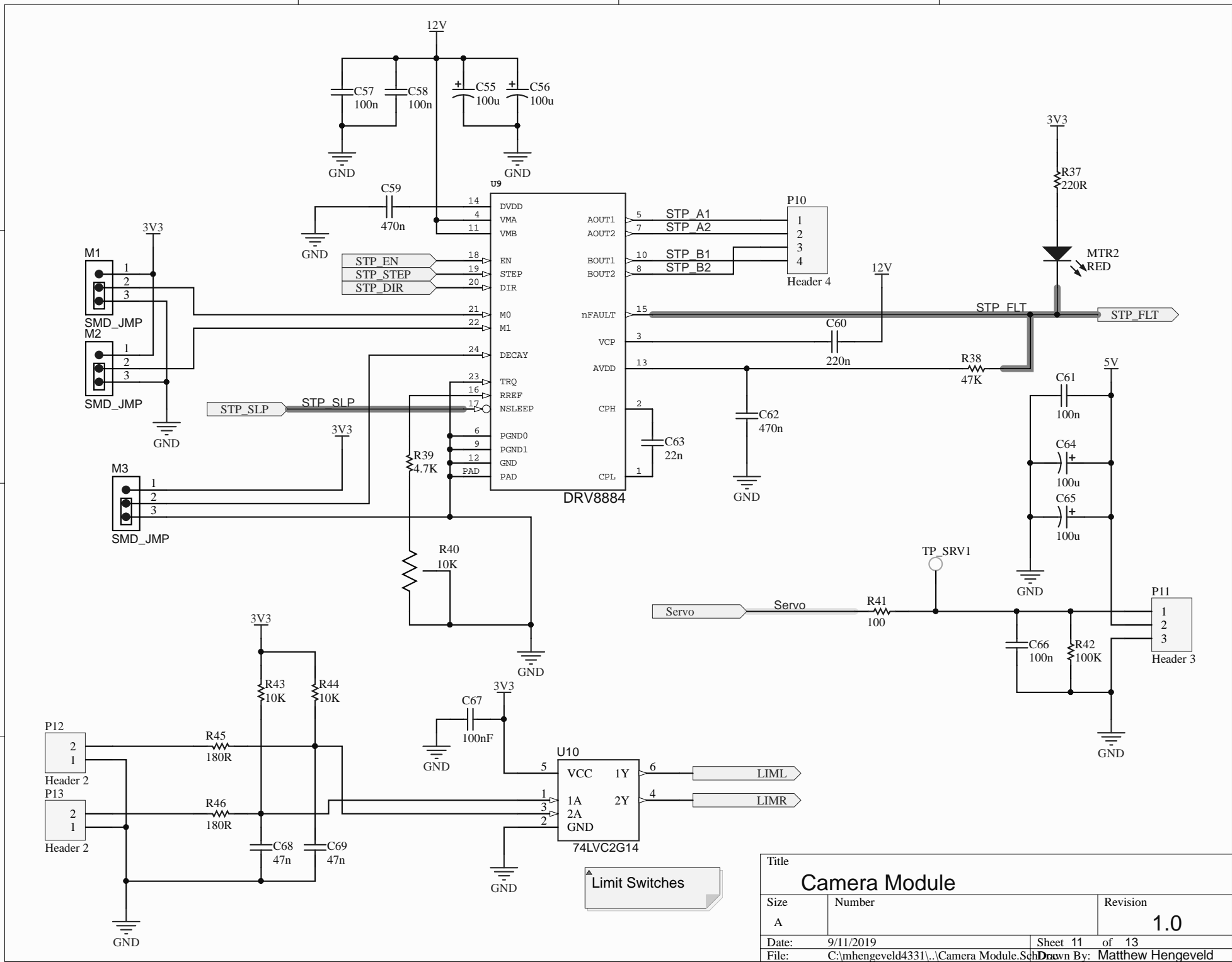
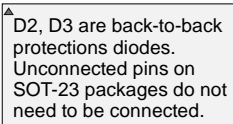


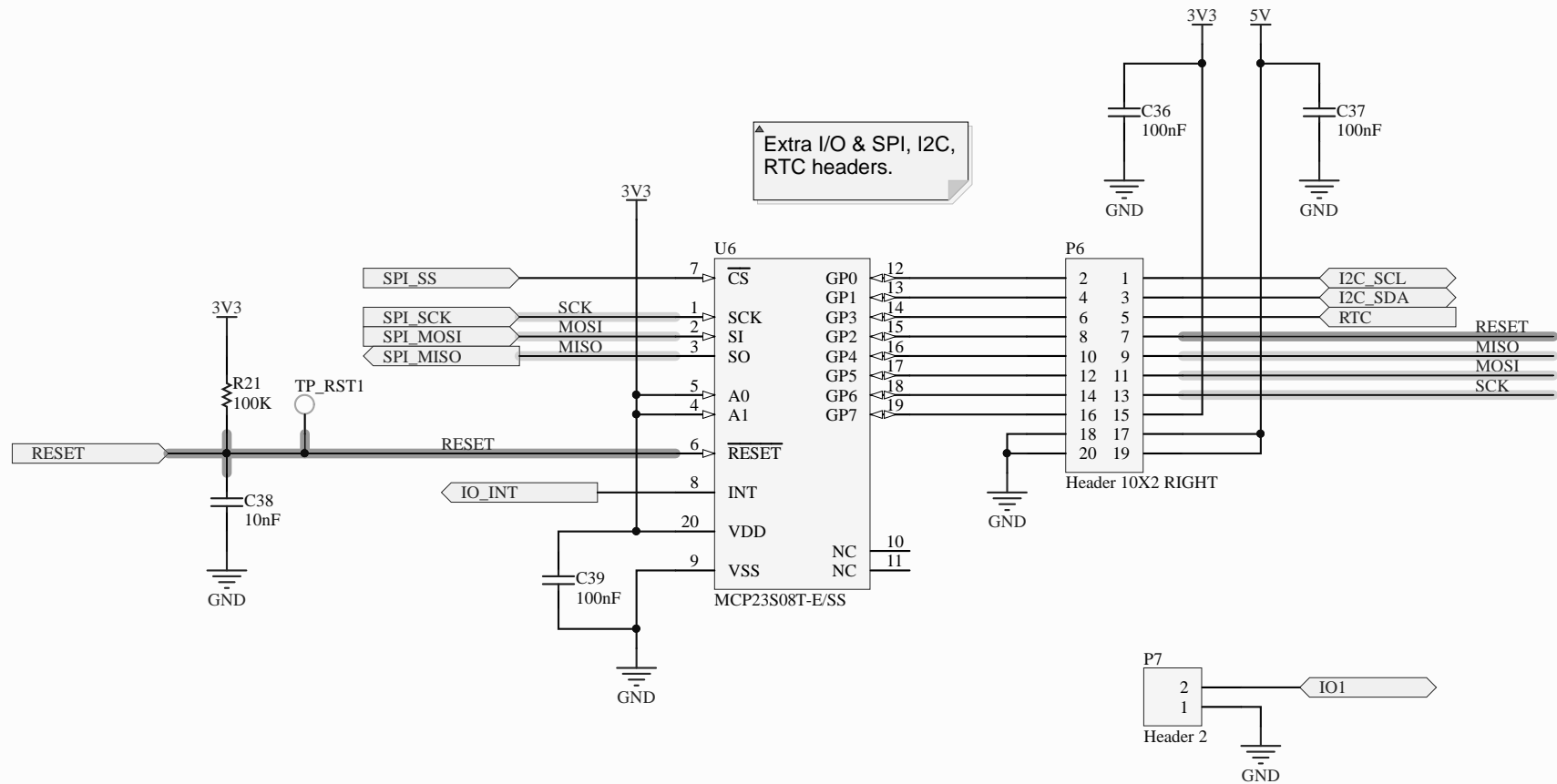
| | | |
|-----------|--|-----------------------------|
| Title | | |
| Bluetooth | | |
| Size | Number | Revision |
| A4 | | 1.0 |
| Date: | 9/11/2019 | Sheet 12 of 13 |
| File: | C:\mhengeveld4331\...\Bluetooth.SchDoc | Drawn By: Matthew Hengeveld |



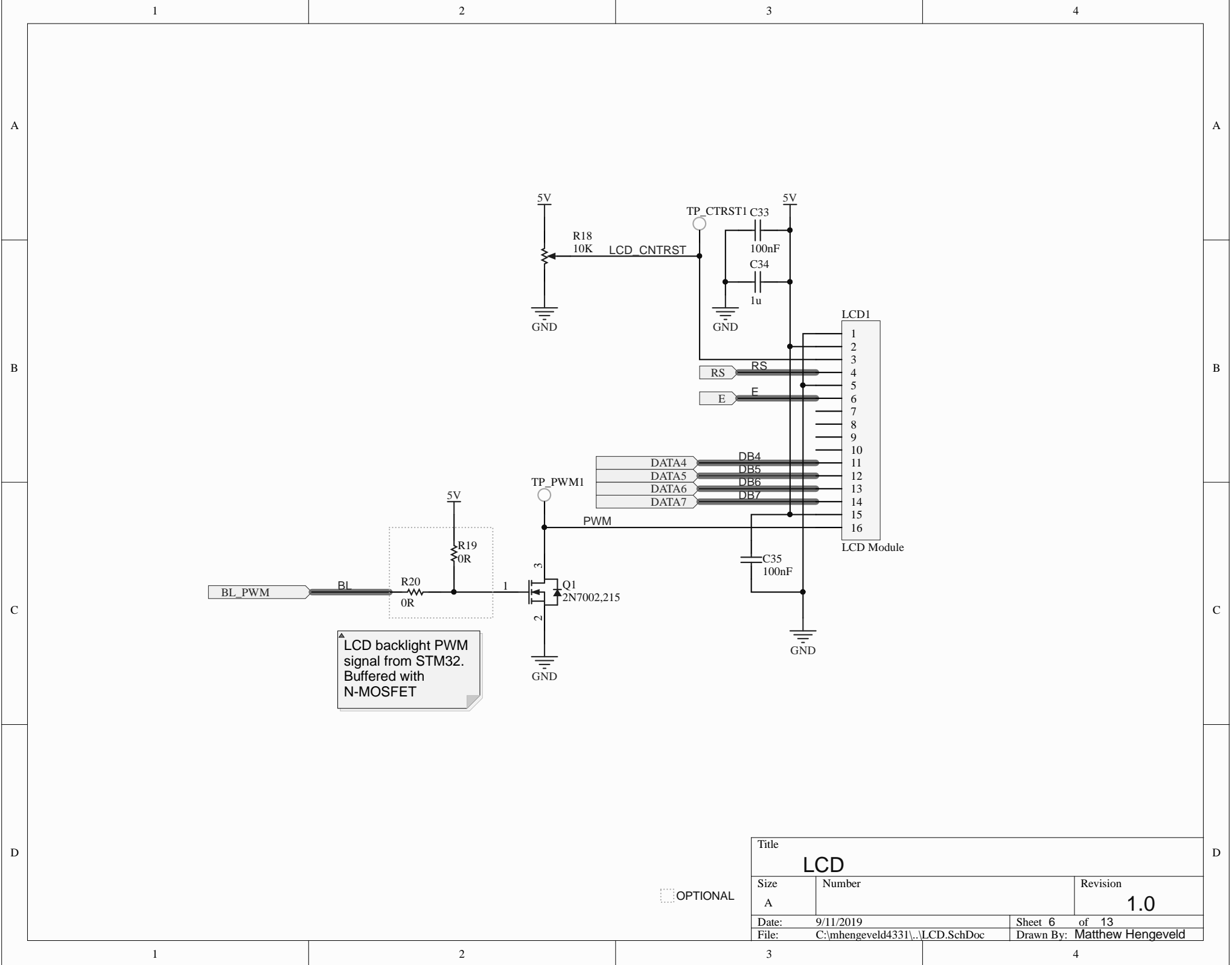
| | | |
|---------------|-------------------------------------|-----------------------------|
| Title | | |
| Camera Module | | |
| Size | Number | Revision |
| A | | 1.0 |
| Date: | 9/11/2019 | Sheet 11 of 13 |
| File: | C:\mhengeveld4331\Camera Module.Sch | Drawn By: Matthew Hengeveld |

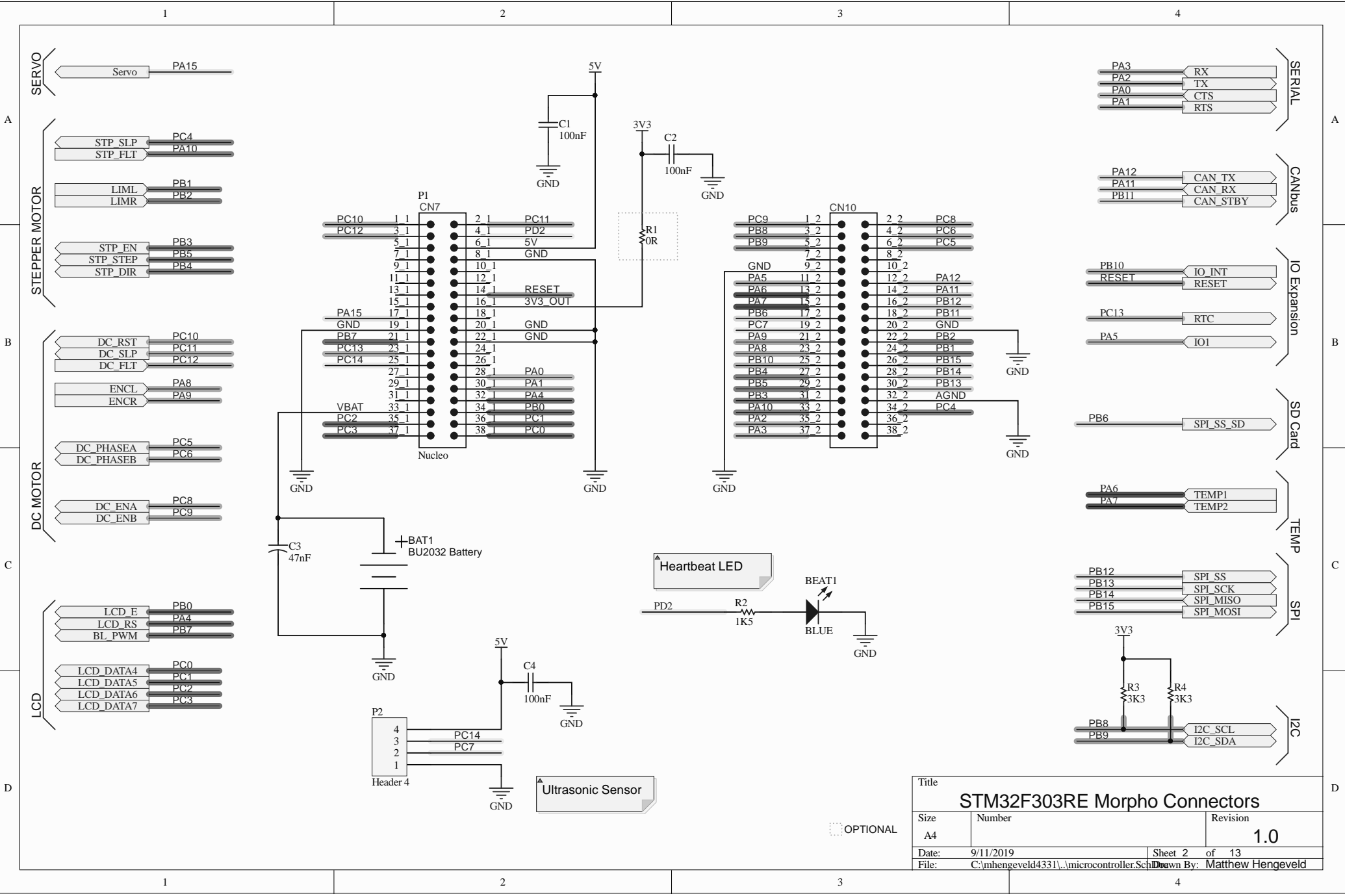


| | | |
|--------|------------------------------------|-----------------------------|
| Title | | |
| CANbus | | |
| Size | Number | Revision |
| A | | 1.0 |
| Date: | 9/11/2019 | Sheet 5 of 13 |
| File: | C:\mhengeveld4331\..\CANbus.SchDoc | Drawn By: Matthew Hengeveld |

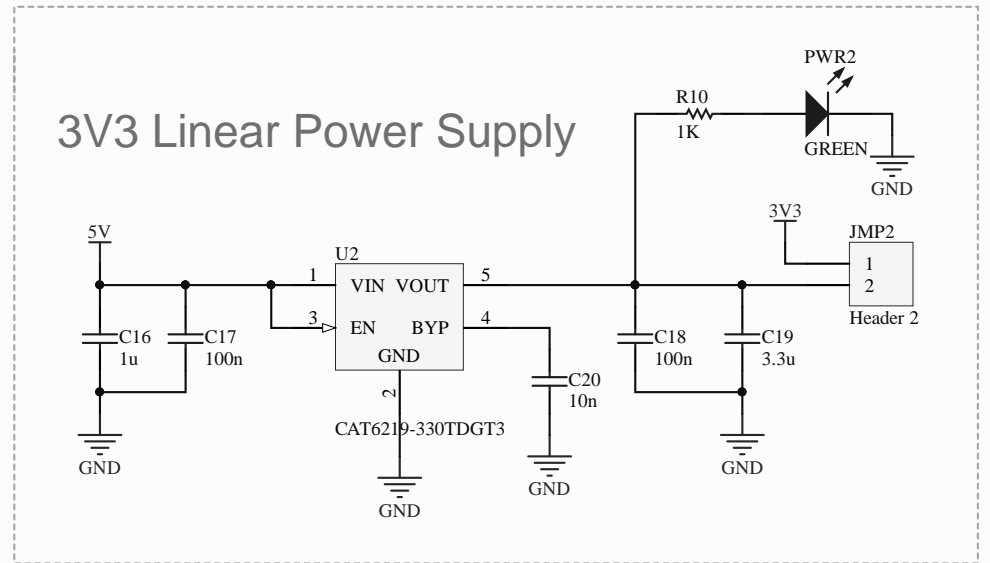
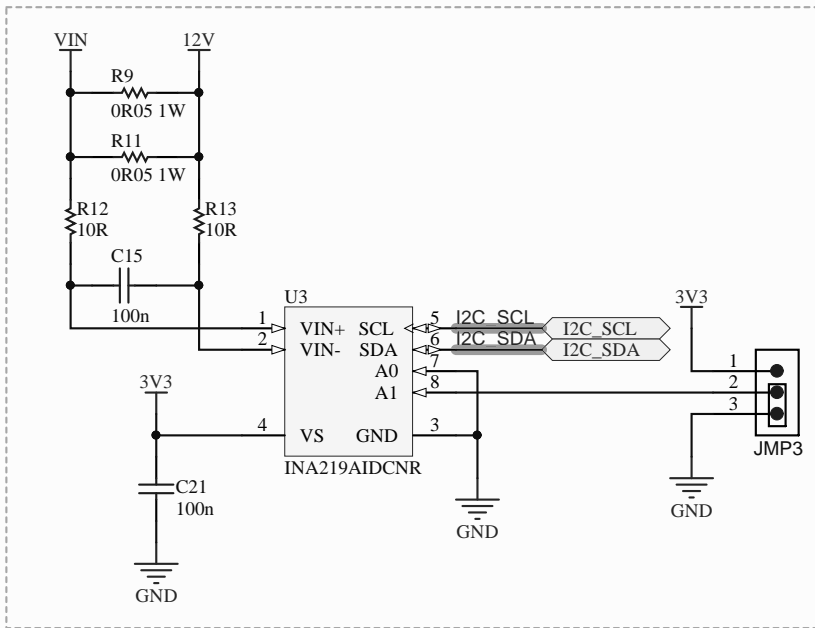
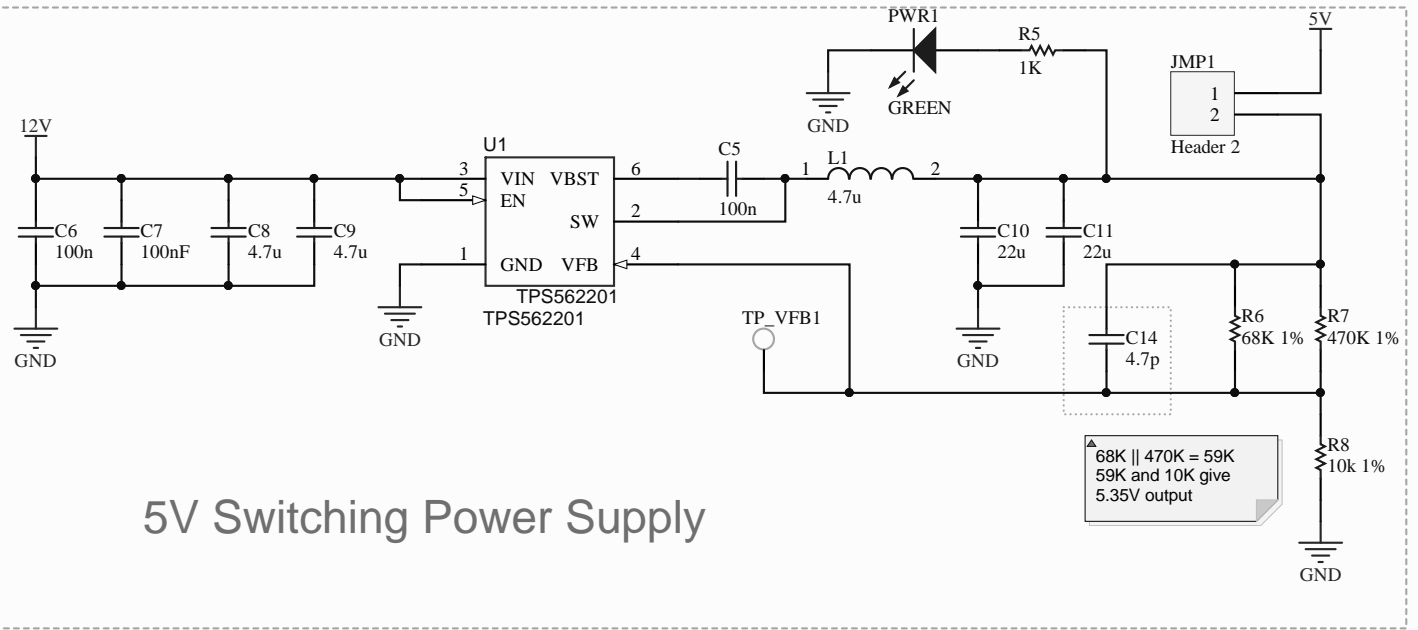
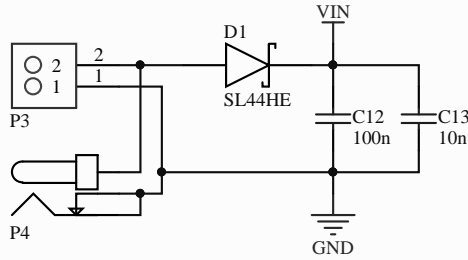


| | | |
|-------|--|---------------|
| Title | | |
| LCD | | |
| Size | Number | Revision |
| A | | 1.0 |
| Date: | 9/11/2019 | Sheet 7 of 13 |
| File: | C:\mhengeveld4331\IO Expansion.Sch Drawn By: Matthew Hengeveld | |



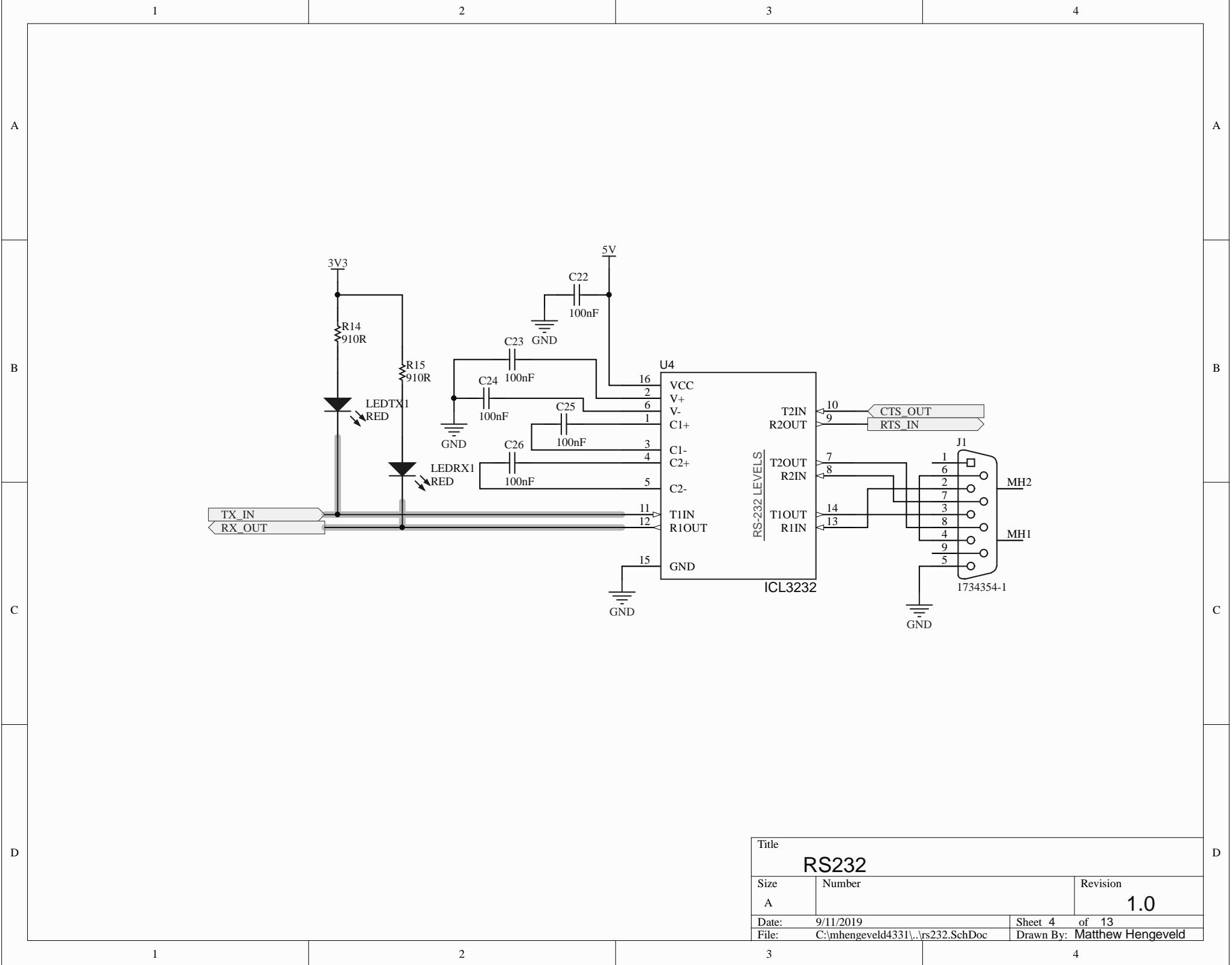


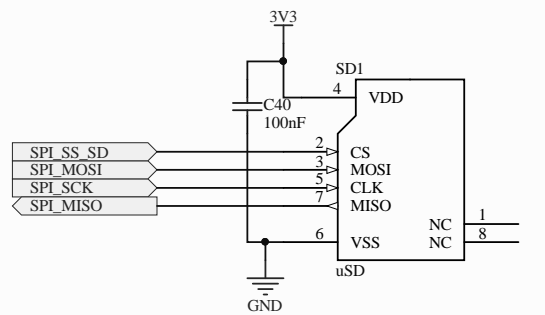
| Title | | |
|-------------------------------|---|---------------|
| STM32F303RE Morpho Connectors | | |
| Size | Number | Revision |
| A4 | | 1.0 |
| Date: | 9/11/2019 | Sheet 2 of 13 |
| File: | C:\mhengeveld4331\microcontroller.SchDown By: Matthew Hengeveld | |



OPTIONAL

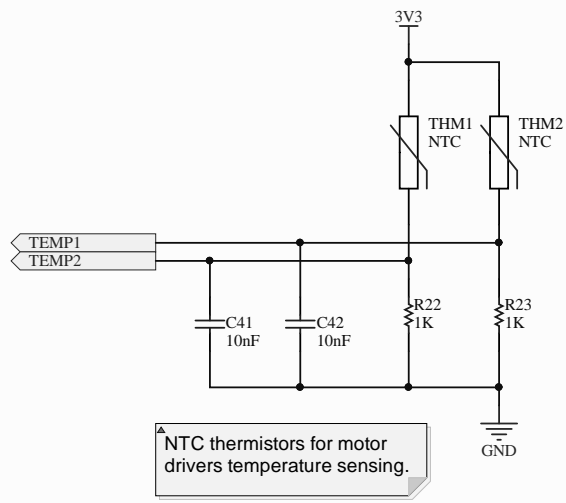
| | | |
|--------------|--|---------------|
| Title | | |
| Power Supply | | |
| Size | Number | Revision |
| A | | 1.0 |
| Date: | 9/11/2019 | Sheet 3 of 13 |
| File: | C:\mhengeveld4331\...power supply.SchDoc Drawn By: Matthew Hengeveld | |





▲ Micro SD card with SPI interface.

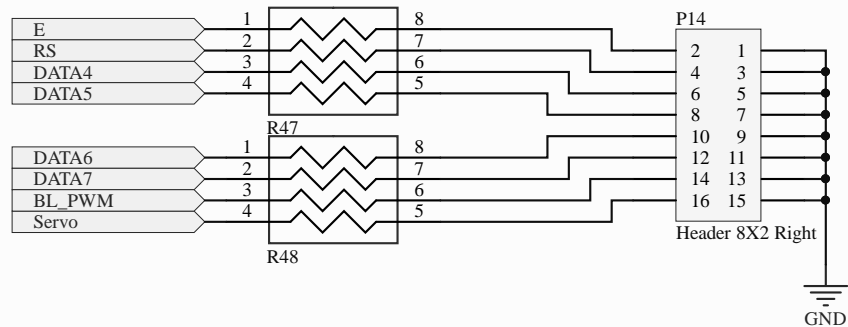
| | | | | |
|-------|--------------------------------------|--|-----------------------------|-------|
| Title | | | SD Card | |
| Size | Number | | Revision | |
| A4 | | | 1.0 | |
| Date: | 9/11/2019 | | Sheet 8 | of 13 |
| File: | C:\mhengeveld4331\...\SD card.SchDoc | | Drawn By: Matthew Hengeveld | |



| | | | | |
|-------|--|--|-----------------------------|-------|
| Title | | | NTC Temperature Sensors | |
| Size | Number | | Revision | |
| A4 | | | 1.0 | |
| Date: | 9/11/2019 | | Sheet 9 | of 13 |
| File: | C:\mhengeveld4331\...\Temperature.SchDoc | | Drawn By: Matthew Hengeveld | |

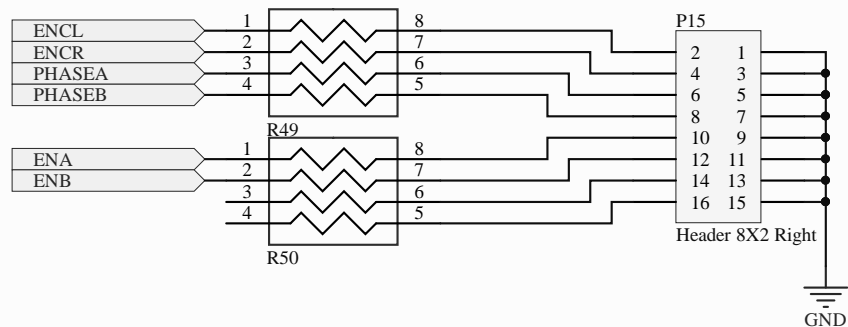
A

A



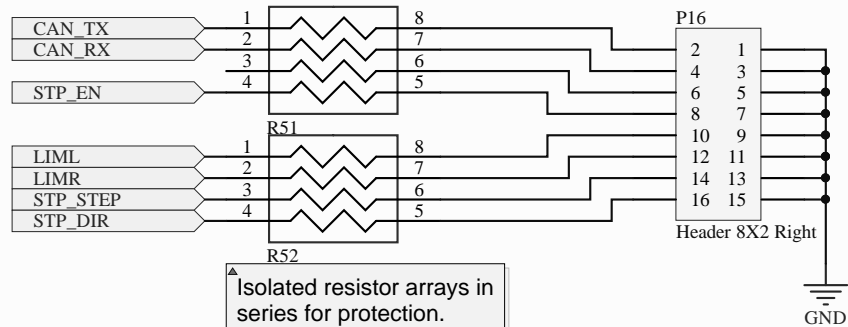
B

B



C

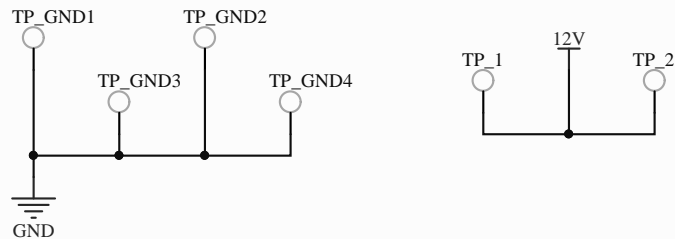
C



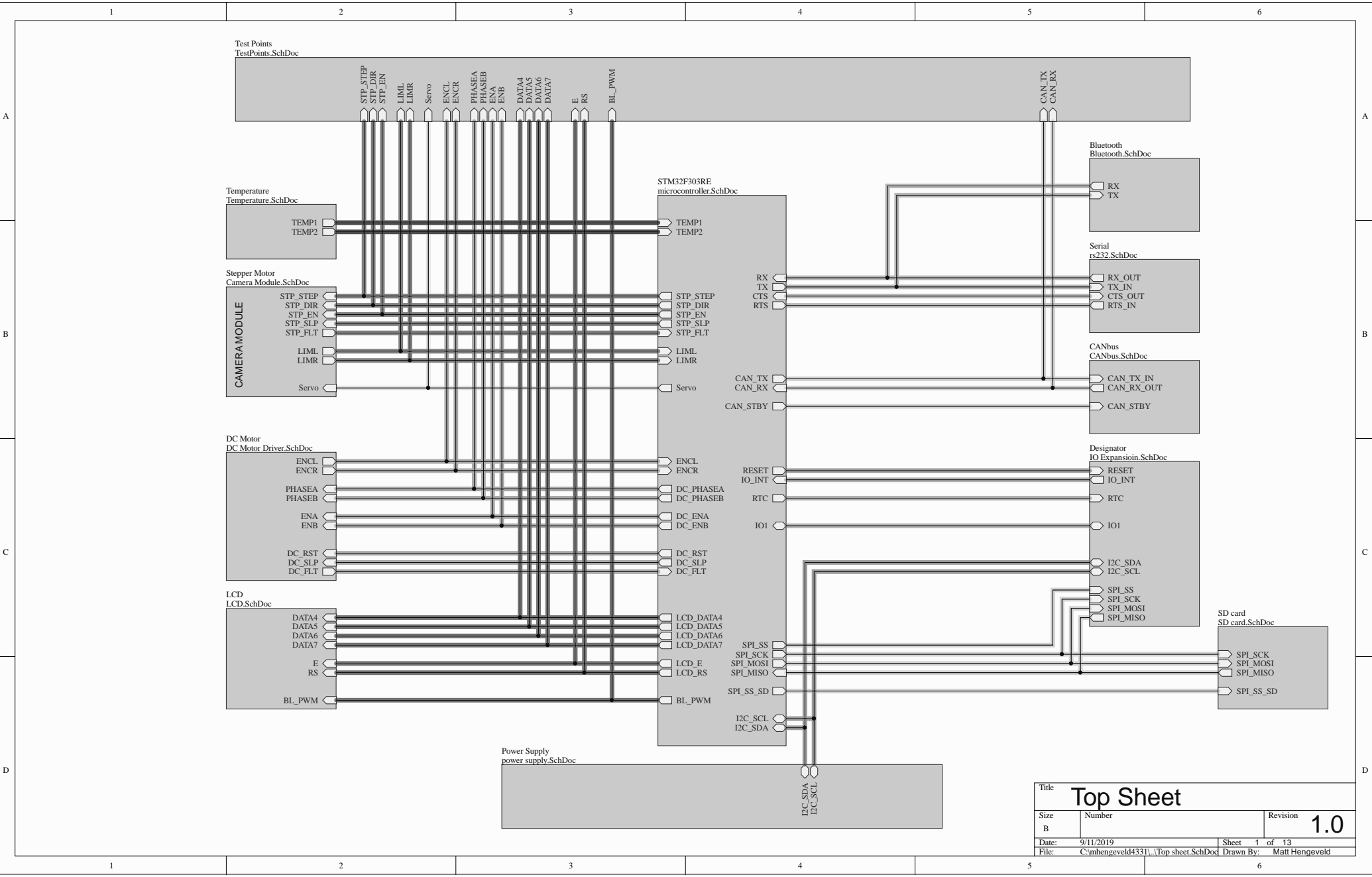
▲ Isolated resistor arrays in series for protection.

D

D



| Title | | |
|-------------|---|-----------------------------|
| Test Points | | |
| Size | Number | Revision |
| A | | 1.0 |
| Date: | 9/11/2019 | Sheet 13 of 13 |
| File: | C:\mhengeveld4331\...\TestPoints.SchDoc | Drawn By: Matthew Hengeveld |



| | | | | |
|-------|------------------------------------|-----------|----------------|-------|
| Title | | | Top Sheet | |
| Size | Number | Revision | | 1.0 |
| B | | | | |
| Date: | 9/11/2019 | Sheet | 1 | of 13 |
| File: | C:\mhengeveld4331\Top sheet.SchDoc | Drawn By: | Matt Hengeveld | |

