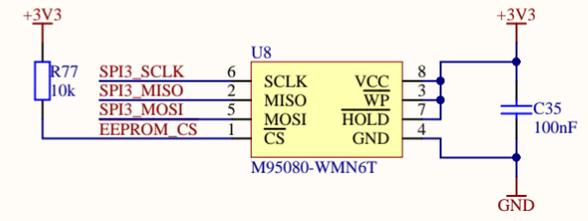
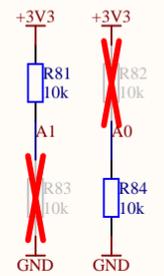
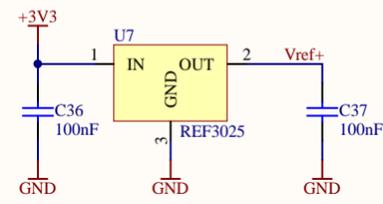
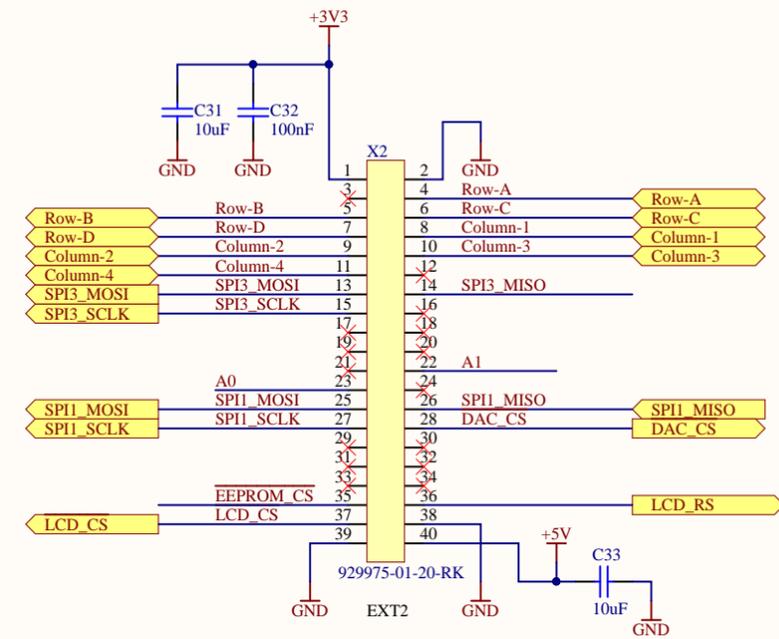
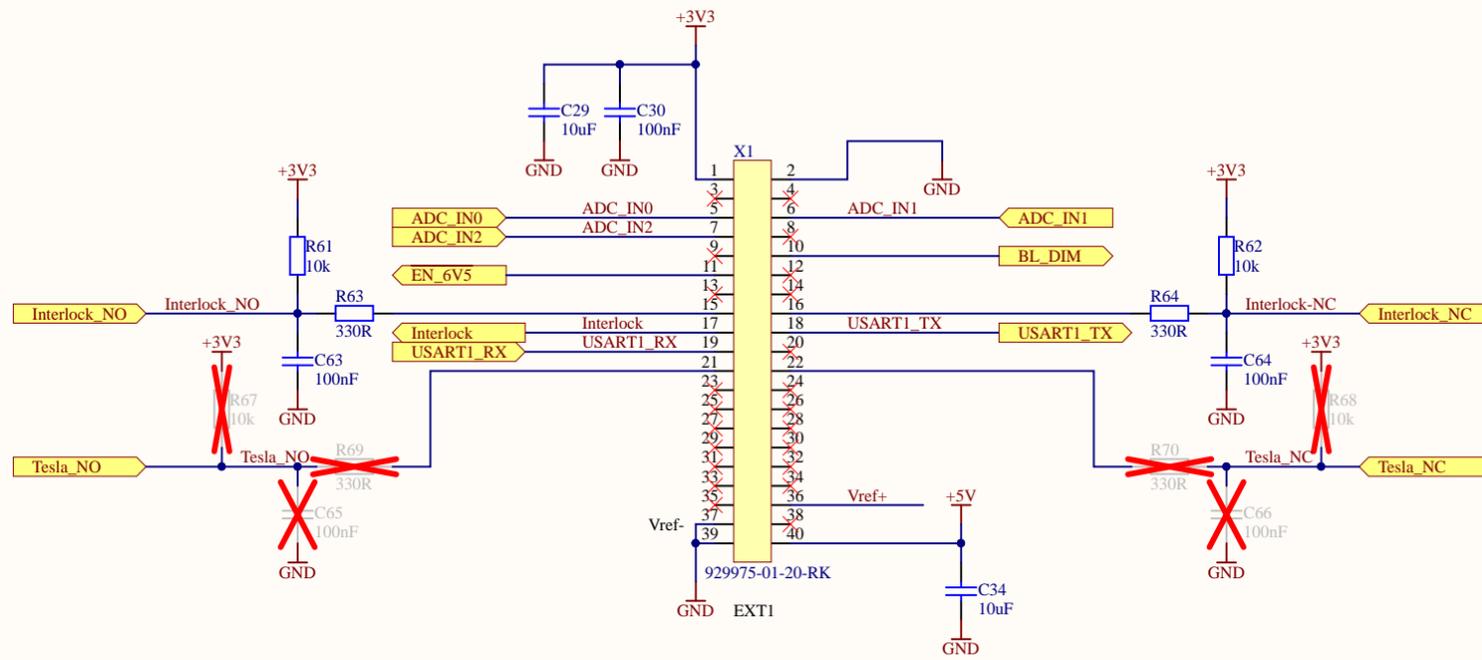


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|------------------|----------------|---------------------------------|--|
| | | Title: | |
| | | HSB MRTS Anode-Tesla Top | |
| Drawn: TLa | Number: 1. | Rev: MLA-0387-A2 PA2 | |
| Checked: GSc | Date: 1-9-2017 | Sheet: 1 of 6 | |
| File: Top.SchDoc | | | |

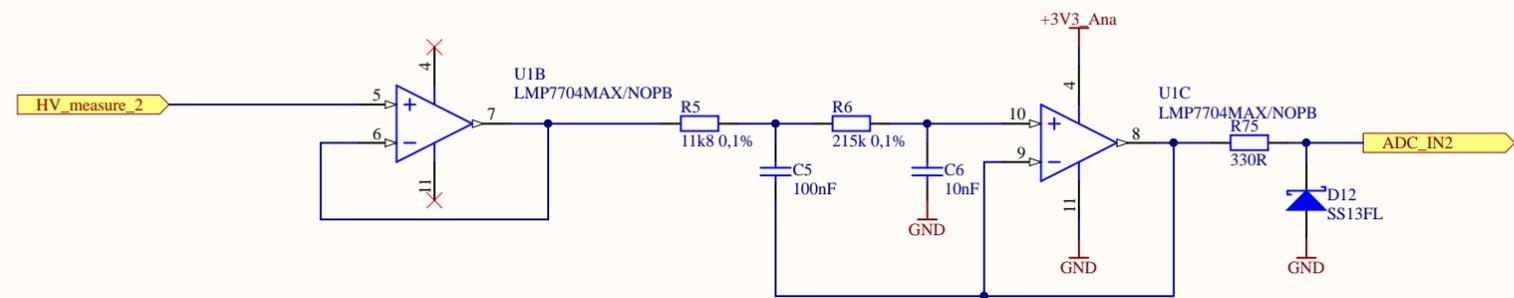
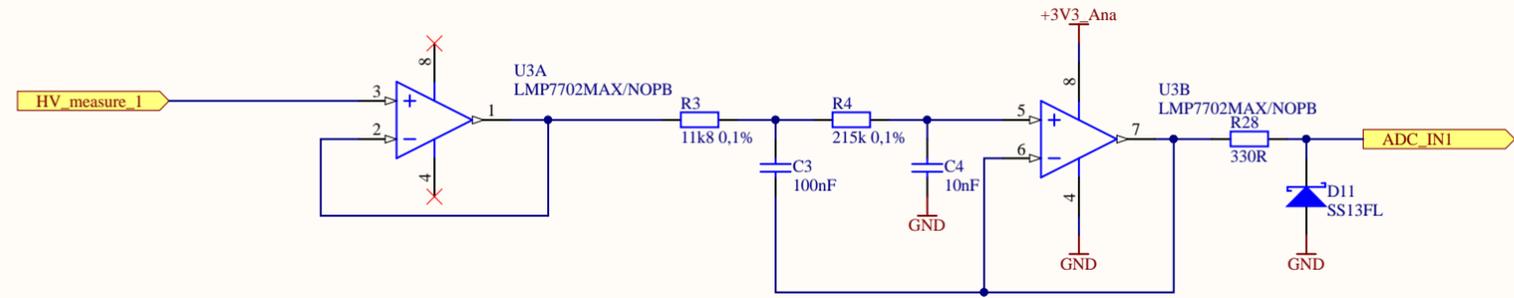
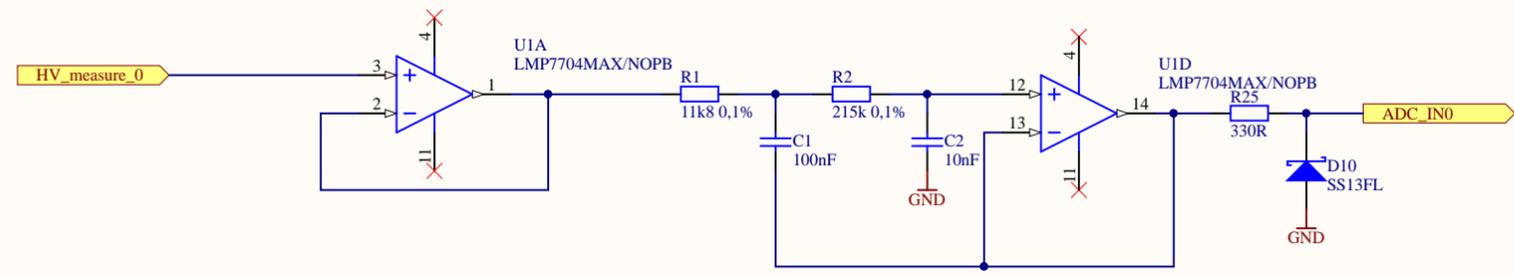


Remove jumper PWR_SEL
Remove resistor R2

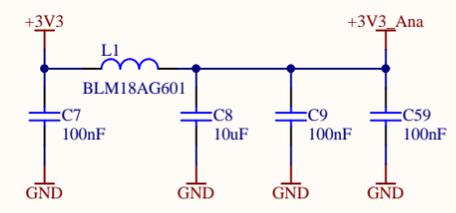
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MLA-0387-A2 1 0

M5
STM32-H107

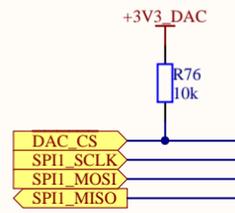
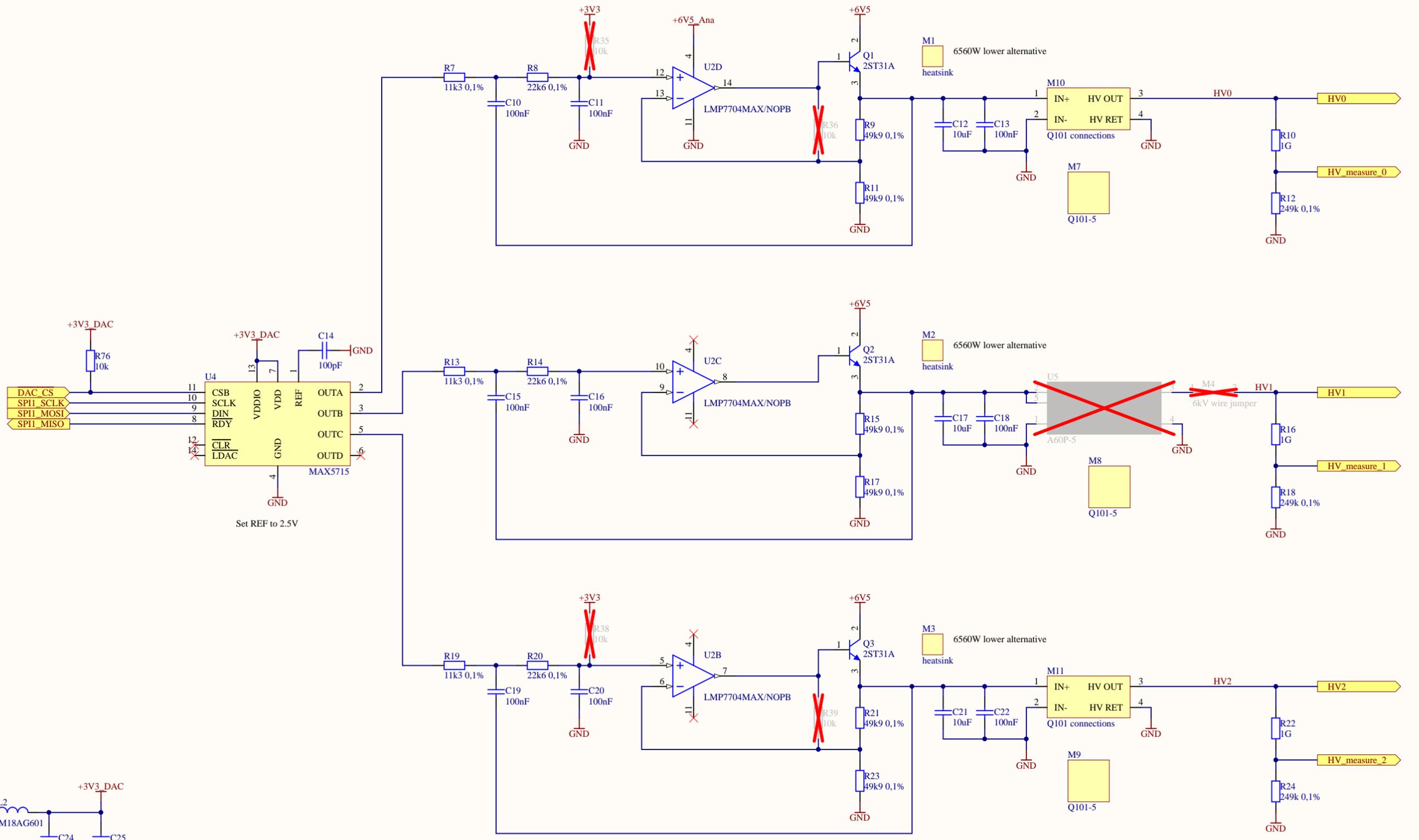
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| | | Title: Microcontroller | |
| Drawn: TLa | Number: 2. | Rev: MLA-0387-A2 PA2 | |
| Checked: GSc | Date: 1-9-2017 | Sheet: 2 of: 6 | |
| File: Microcontroller.SchDoc | | | |



2nd order Butterworth filter
 -3dB @ 100Hz
 Gain= 1

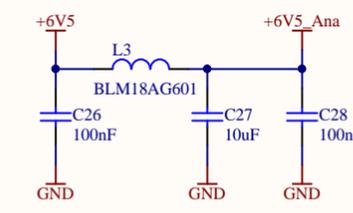
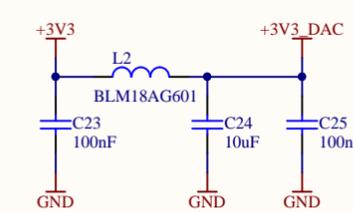
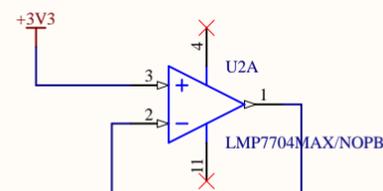


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| | Title: Analog In | |
| | Drawn: TLa | Number: 3. |
| Checked: GSc | Date: 1-9-2017 | Sheet: 3 of: 6 |
| File: Analog in.SchDoc | | |



Set REF to 2.5V

2nd order Butterworth filter
 -3dB @ 100Hz
 Gain= 2



| | | | |
|--------------------------------|----------------|-----------------------------|--|
| | | Title: | |
| | | High Voltage Power Supplies | |
| Drawn: TLa | Number: 4. | Rev: MLA-0387-A2 PA2 | |
| Checked: GSc | Date: 1-9-2017 | Sheet: 4 of 6 | |
| File: HV Power supplies.SchDoc | | | |

A

A

B

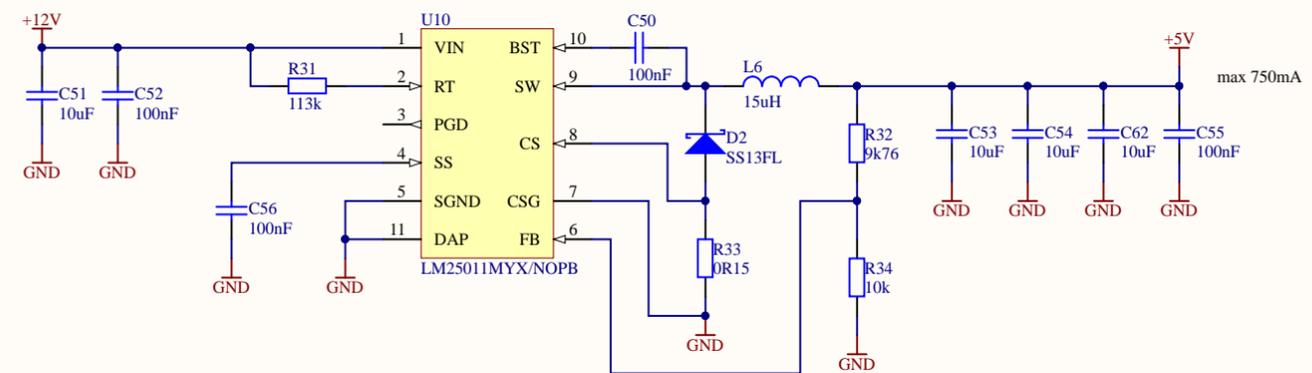
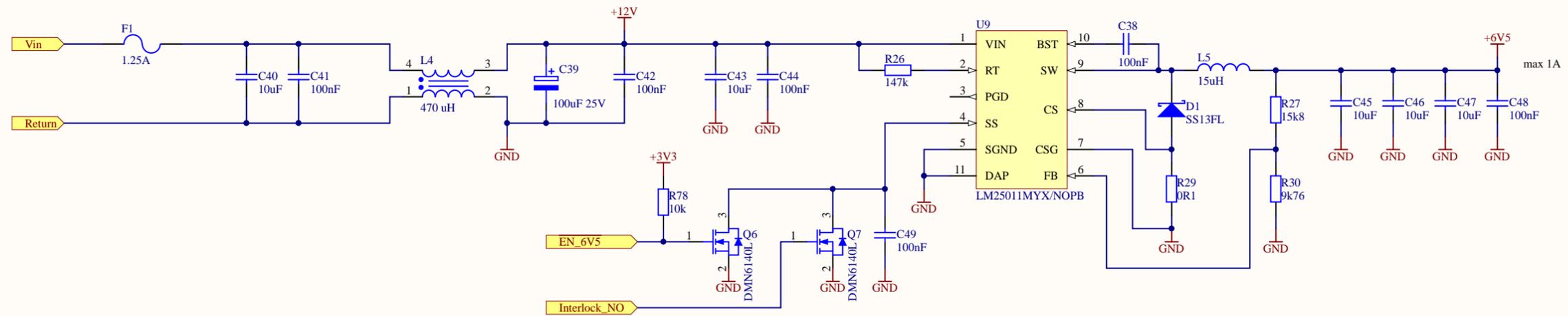
B

C

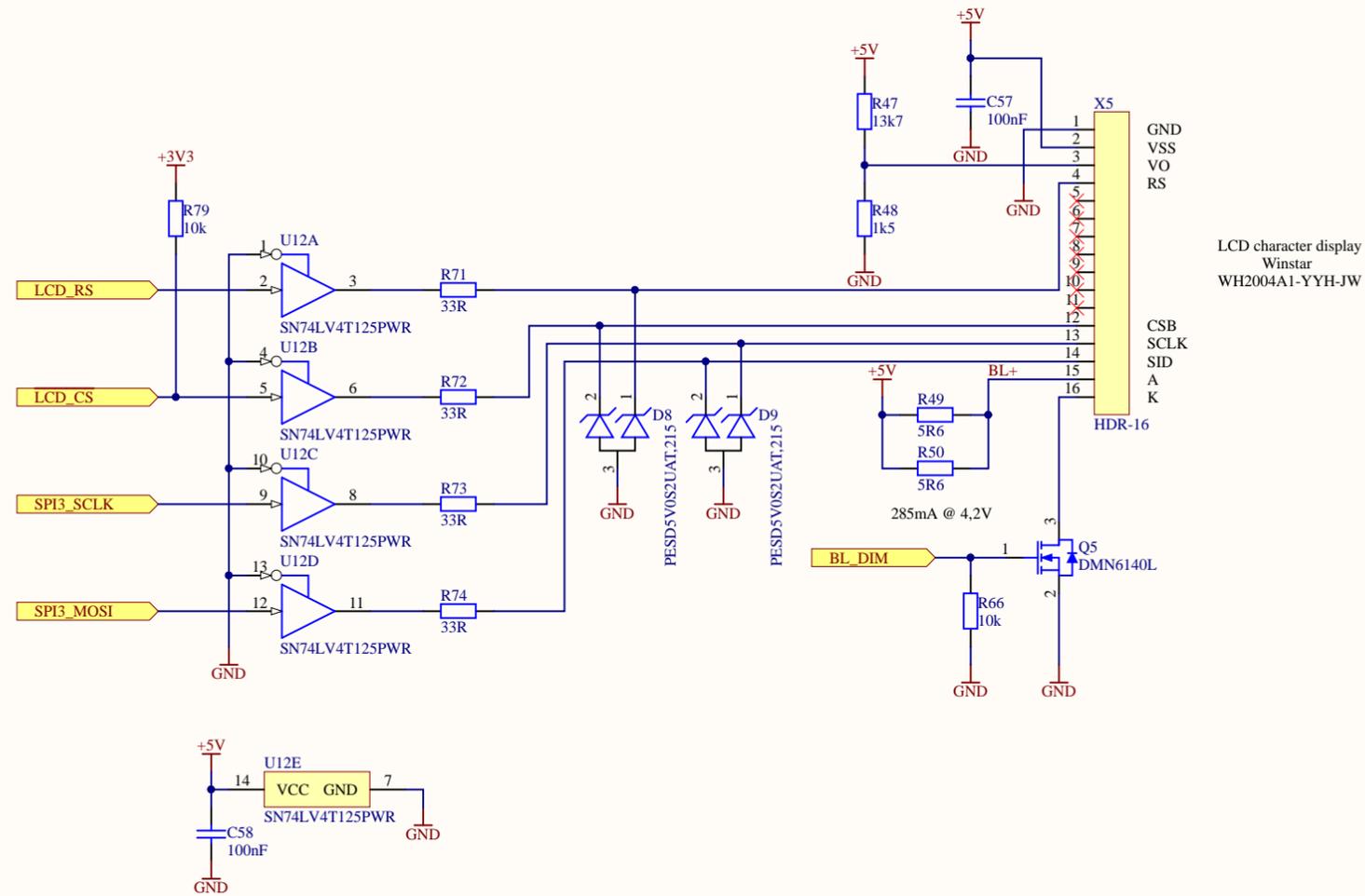
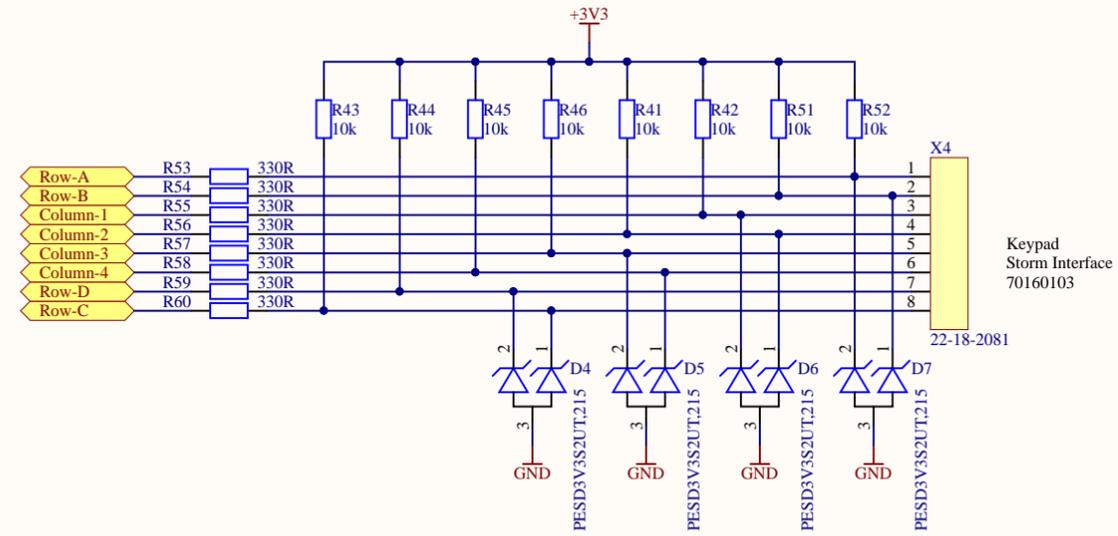
C

D

D



| | | | |
|--|--|----------------|----------------------|
| | Title: Power Supplies | | |
| | Drawn: TLa | Number: 5. | Rev: MLA-0387-A2 PA2 |
| | Checked: GSc | Date: 1-9-2017 | Sheet: 5 of: 6 |
| | File: Power supplies.SchDoc | | |



| | | |
|-----------------------------|------------------------------|----------------|
| | Title: User Interface | |
| | Drawn: TLa | Number: 6. |
| Checked: GSc | Date: 1-9-2017 | Sheet: 6 of: 6 |
| File: User Interface.SchDoc | | |