

DSP

Connectors

Solar\_Panel\_Voltage  
Accumulator\_Voltage  
VOUT+  
VOUT-

Solar\_Panel\_Voltage  
Accumulator\_Voltage  
VOUT+  
VOUT-

Temp\_B1  
Temp\_B2  
Temp\_INV1  
Temp\_INV2  
Temp\_INV3  
Temp\_INV4  
ADC\_SOLAR  
ADC\_ACCU  
ADC\_INV\_OUT

Temp\_B1  
Temp\_B2  
Temp\_INV1  
Temp\_INV2  
Temp\_INV3  
Temp\_INV4  
ADC\_SOLAR  
ADC\_ACCU  
ADC\_INV\_OUT

TZ1  
TZ2

TZ1  
TZ2

Boost\_Current  
Inverter\_Current

Boost\_Current  
Inverter\_Current\_1

USBDP  
USBDM

USBDP  
USBDM

SCIRX  
SCITX

SCIRX  
SCITX

Current Measurement

TZ1  
TZ2

Boost\_Current  
Inverter\_Current\_1

Hall\_sensor.SchDoc

USB

USBDP  
USBDM

SCIRX  
SCITX

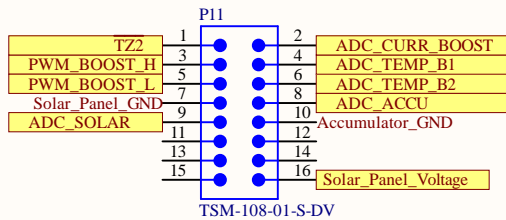
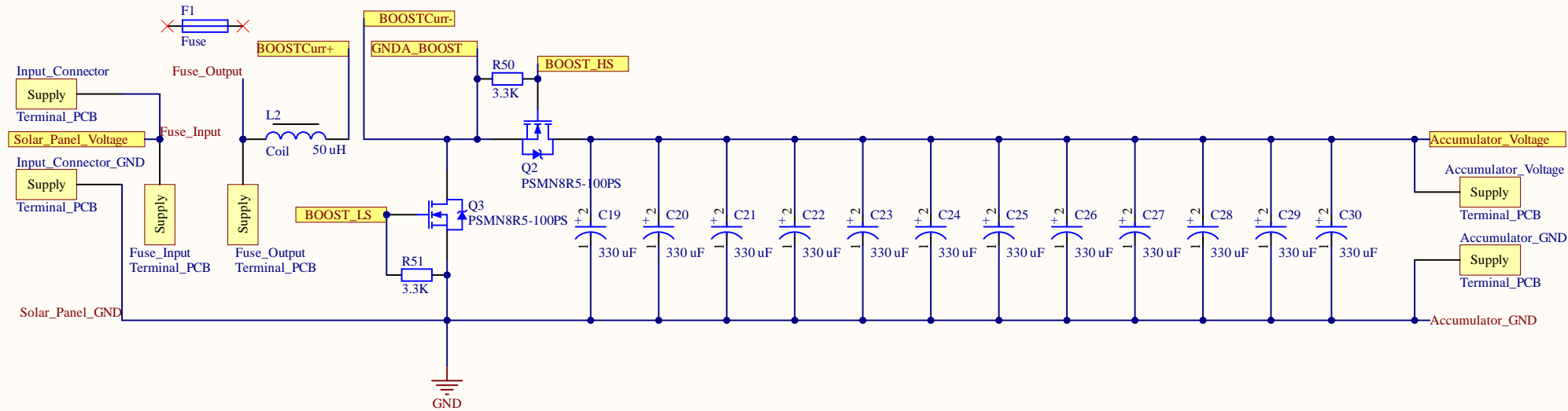
USB\_and\_FTDI.SchDoc

DSP.SchDoc

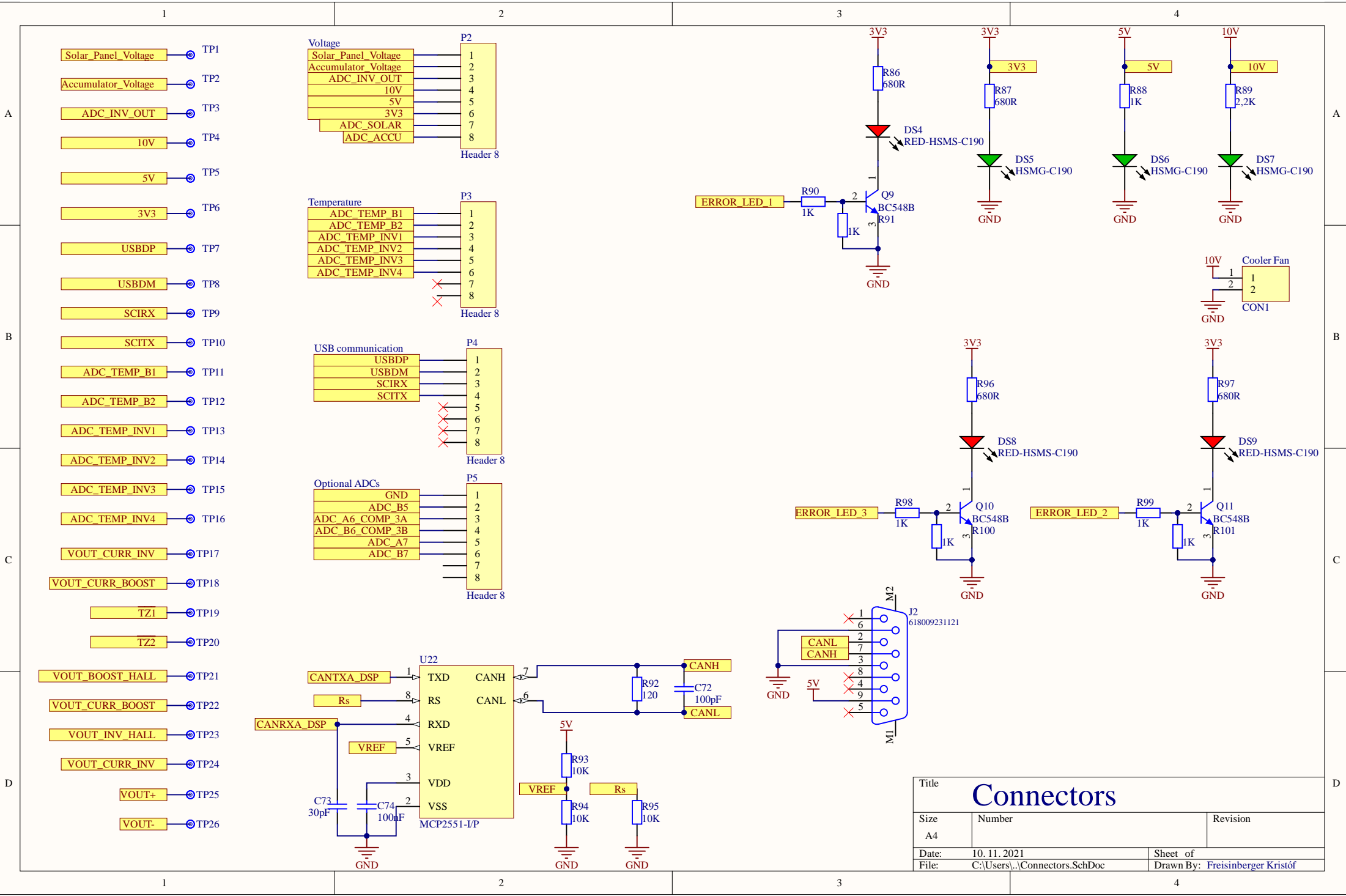
Connectors.SchDoc

Title			
Block Design			
Size	Number		Revision
A4			
Date:	10. 11. 2021	Sheet of	
File:	C:\Users\...\Block_Design.SchDoc	Drawn By: Freisinberger Kristóf	

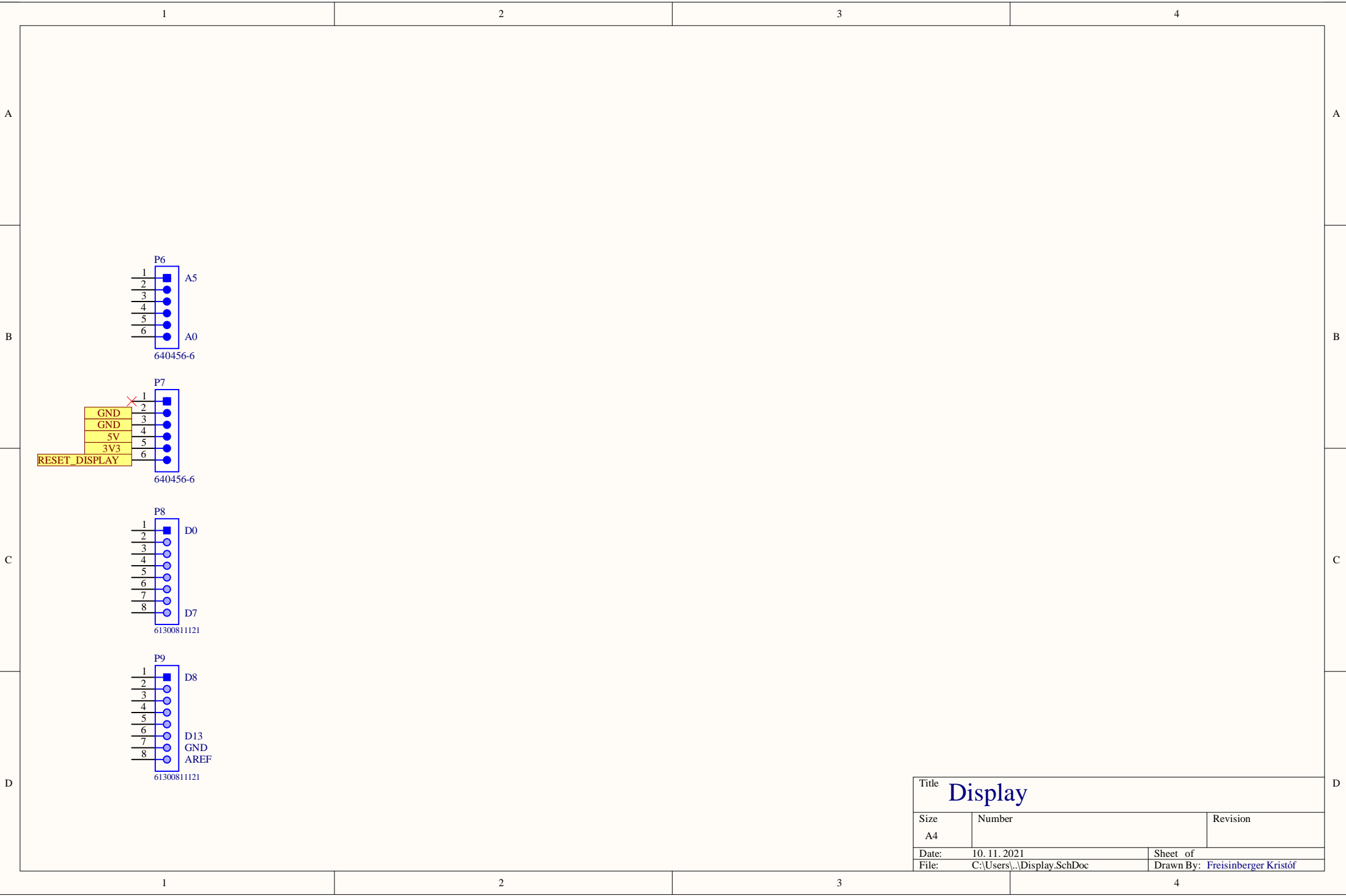
# Boost Converter



Title Boost Converter		
Size A4	Number	Revision
Date: 10. 11. 2021	Sheet of	
File: C:\Users\... BoostConverter.SchDoc	Drawn By: Freisinberger Kristóf	



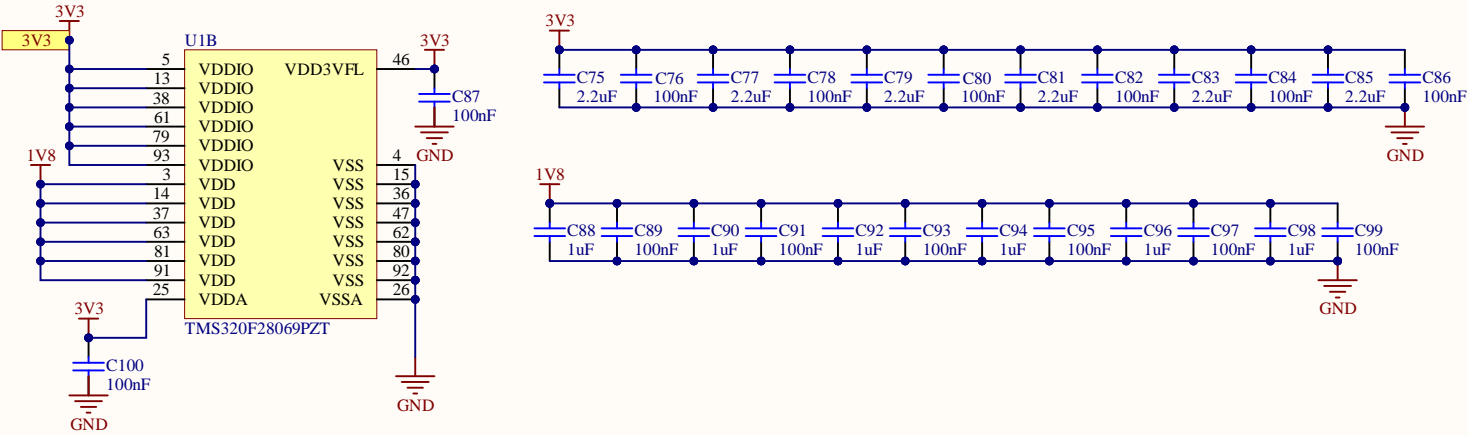
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Connectors		
Size	Number	Revision
A4		
Date:	10. 11. 2021	Sheet of
File:	C:\Users\...\Connectors.SchDoc	Drawn By: Freisinberger Kristóf



Title			Display
Size	Number	Revision	
A4			
Date:	10. 11. 2021	Sheet of	
File:	C:\Users\...\Display.SchDoc	Drawn By:	Freisinberger Kristóf

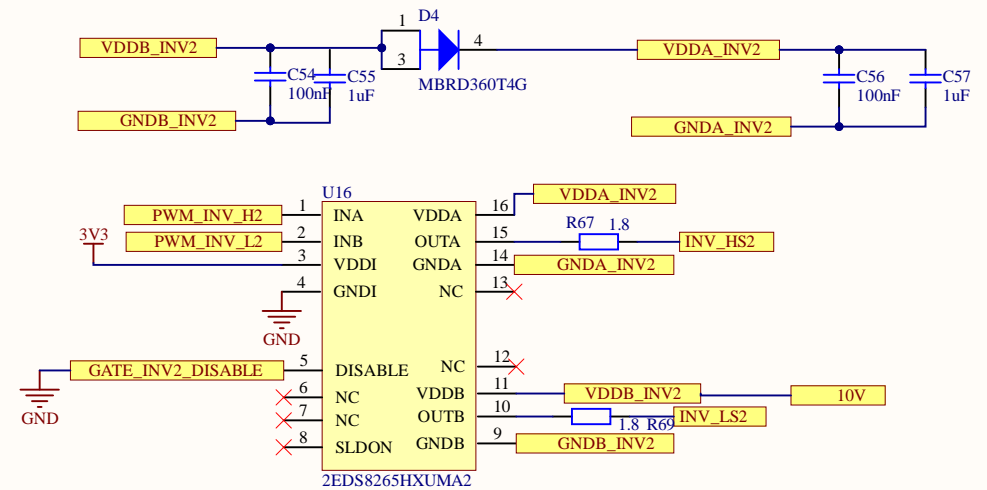
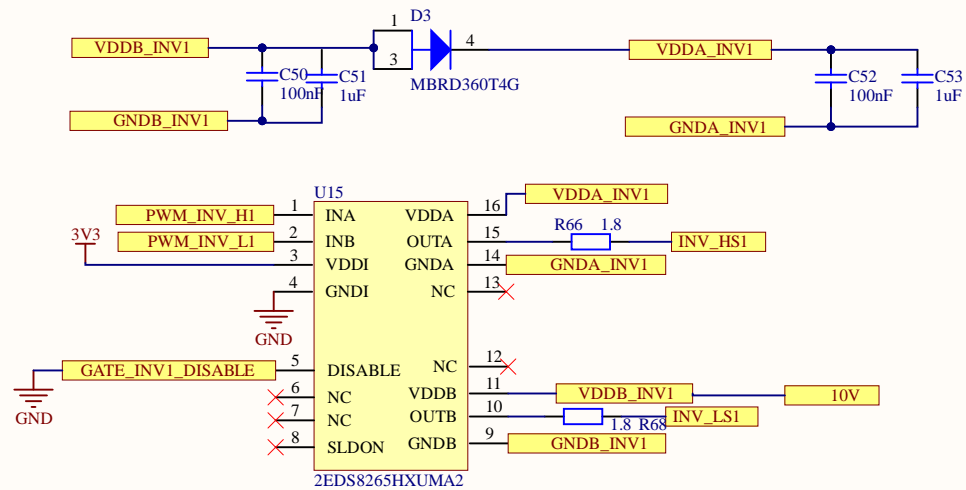


DSP Supply Pins

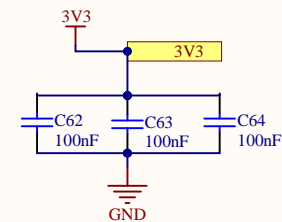
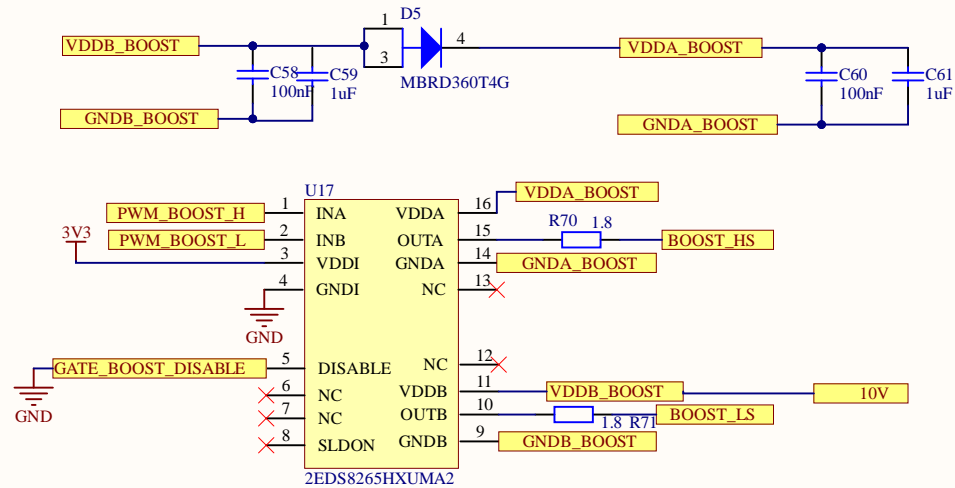


Title		
DSP Supply		
Size	Number	Revision
A4		
Date:	10. 11. 2021	Sheet of
File:	C:\Users\...\DSP_Supply.SchDoc	Drawn By: Freisinberger Kristóf

## Inverter Gate Driver



## Boost Gate Driver

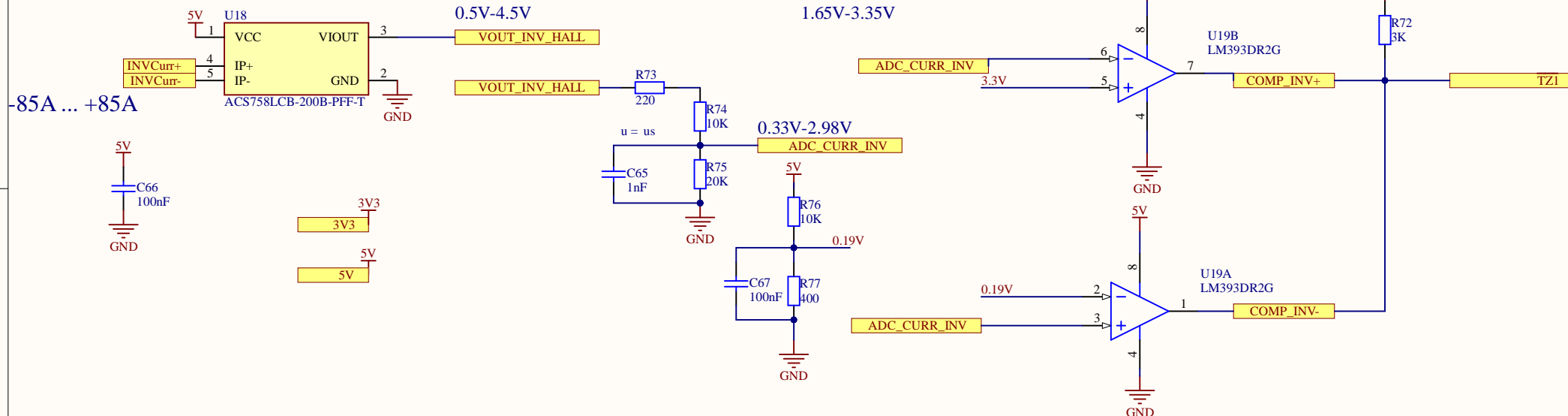


Title		
Gate Driver		
Size A4	Number	Revision
Date:	10. 11. 2021	Sheet of
File:	C:\Users\...\Gate-Driver.SchDoc	Drawn By: <b>Freisinberger Kristóf</b>

## Inverter Current

50A  
(2.5V-50\*0.04) ... (2.5V+50\*0.04)

200A  
(2.5V-85\*0.01) ... (2.5V+85\*0.01)

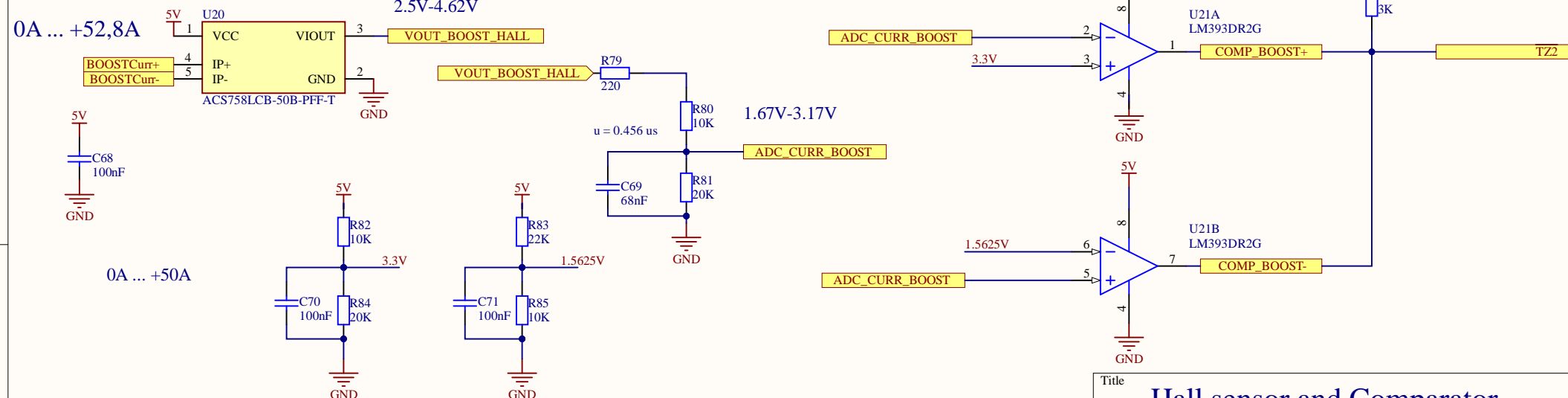


## Boost converter Current

$$(2.5V) \dots (2.5V+53*0.04)$$

$$2.5V-4.62V$$

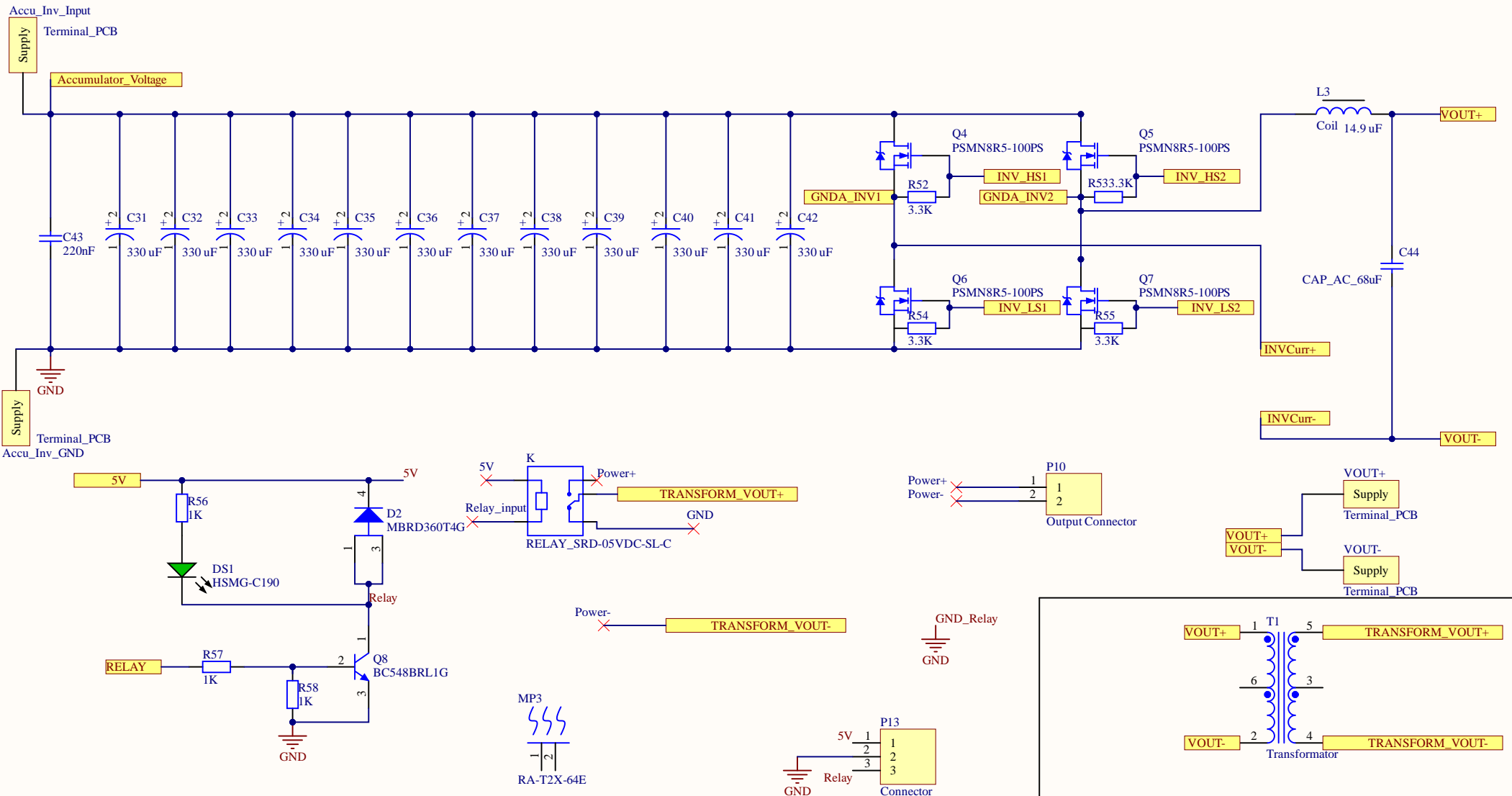
0A ... +52,8A



Title			Hall sensor and Comparator		
Size	Number			Revision	
A4					
Date:	10. 11. 2021			Sheet of	
File:	C:\Users\...\Hall_sensor.SchDoc			Drawn By: Freisinberger Kristóf	

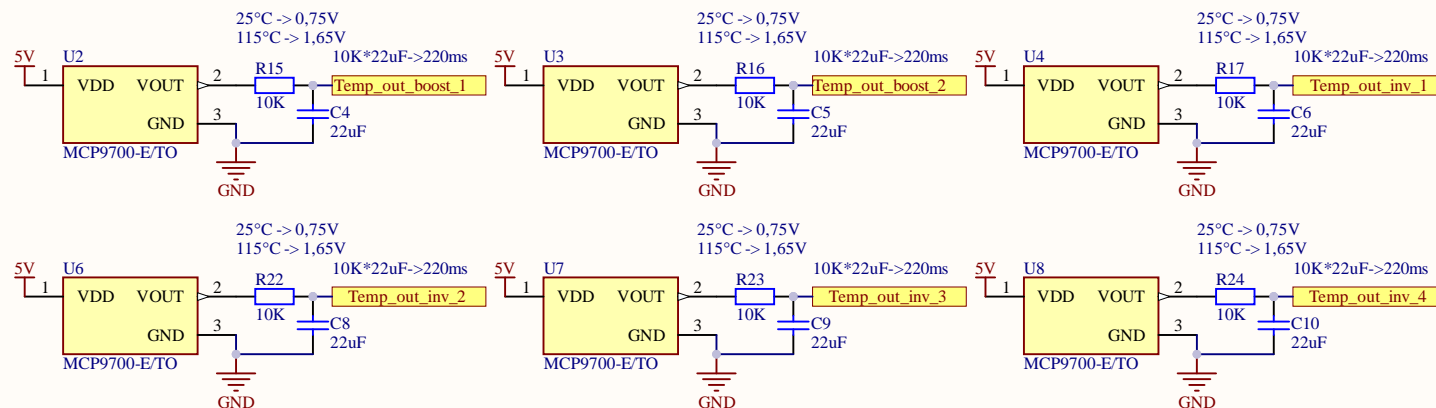


# Inverter

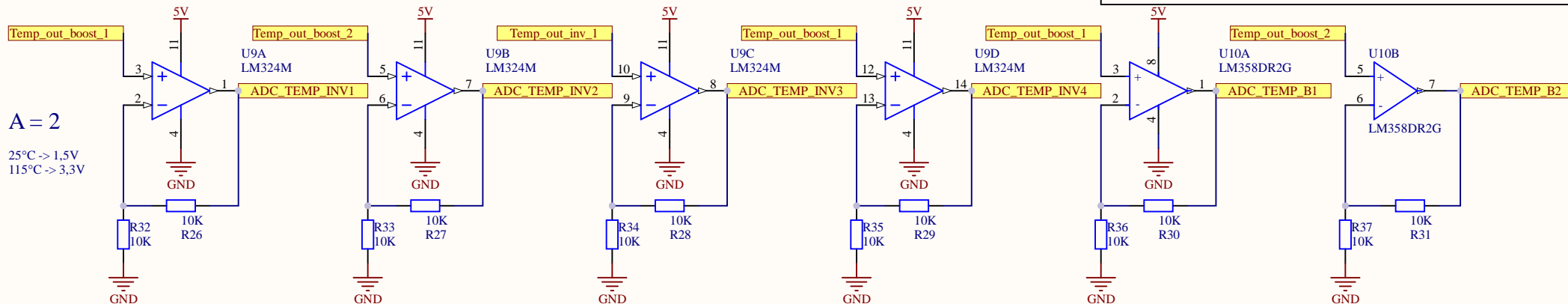
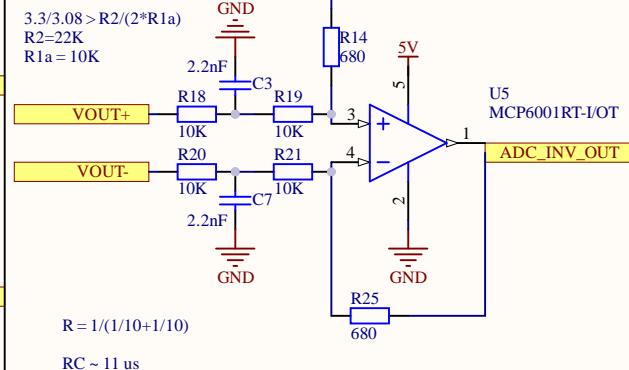


Title		
Inverter		
Size	Number	Revision
A4		
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File:	C:\Users\...\Inverter.SchDoc	Drawn By: Freisinberger Kristóf

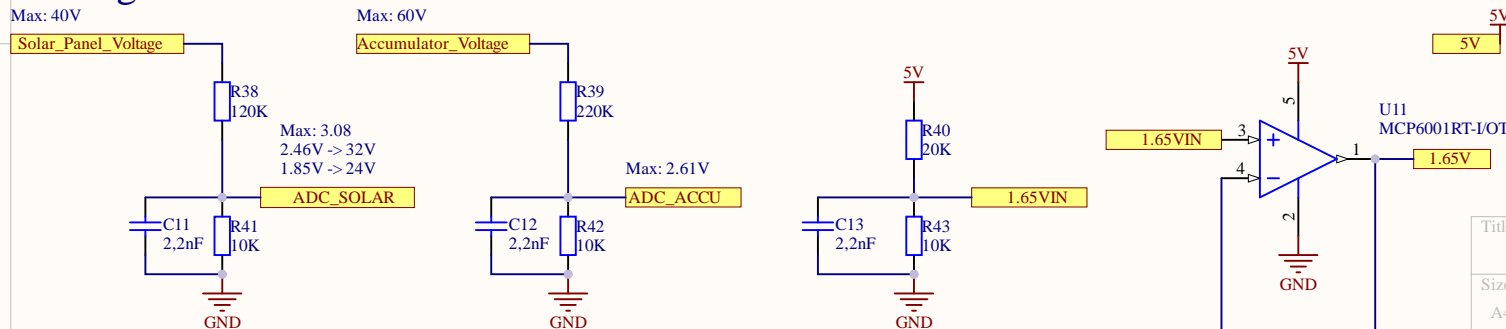
## Temperature Measurement



## Inverter Voltage



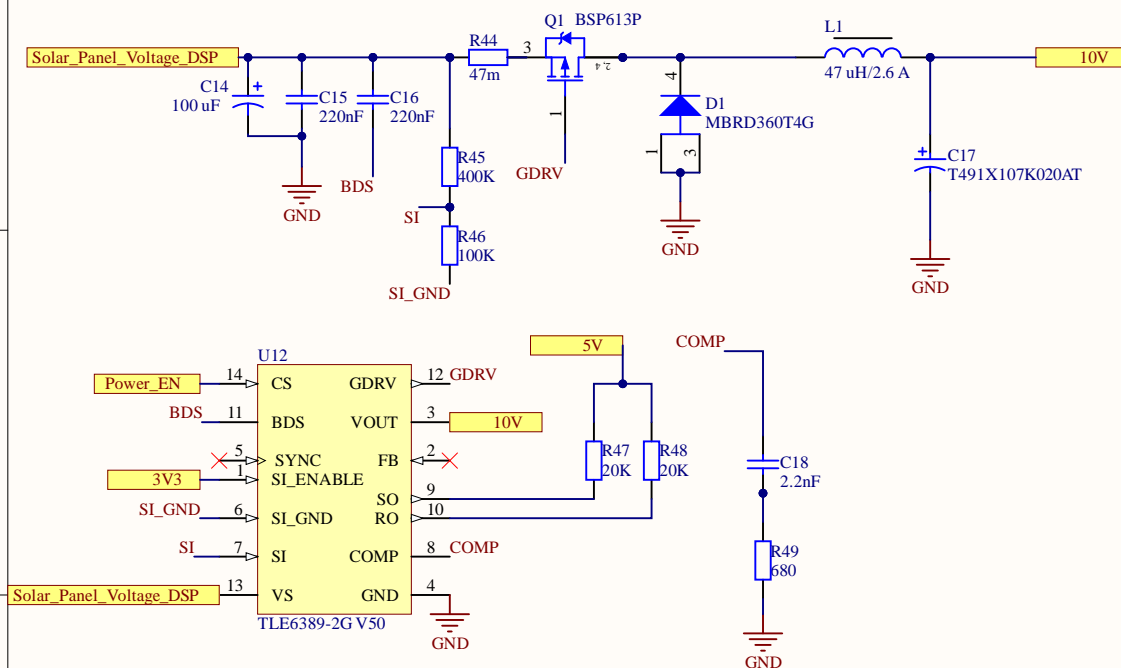
## Voltage Measurement



## Measurements Voltage and Temperature

Size	Number	Revision
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File:	C:\Users\...\Measurements.SchDoc	Drawn By: Freisinberger Kristóf

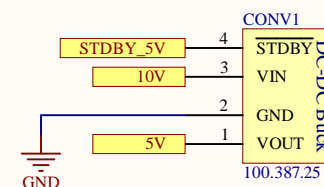
# 24-32V to 10V



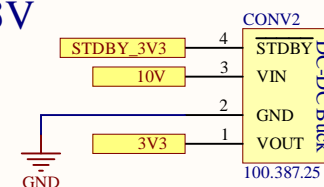
## ON



## 10V to 5V

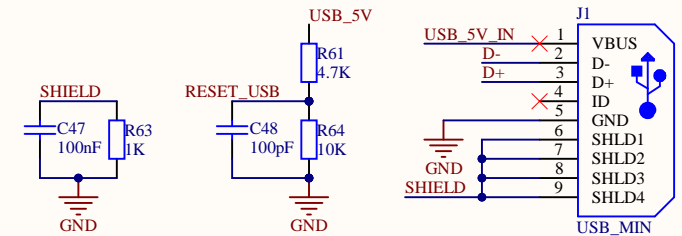
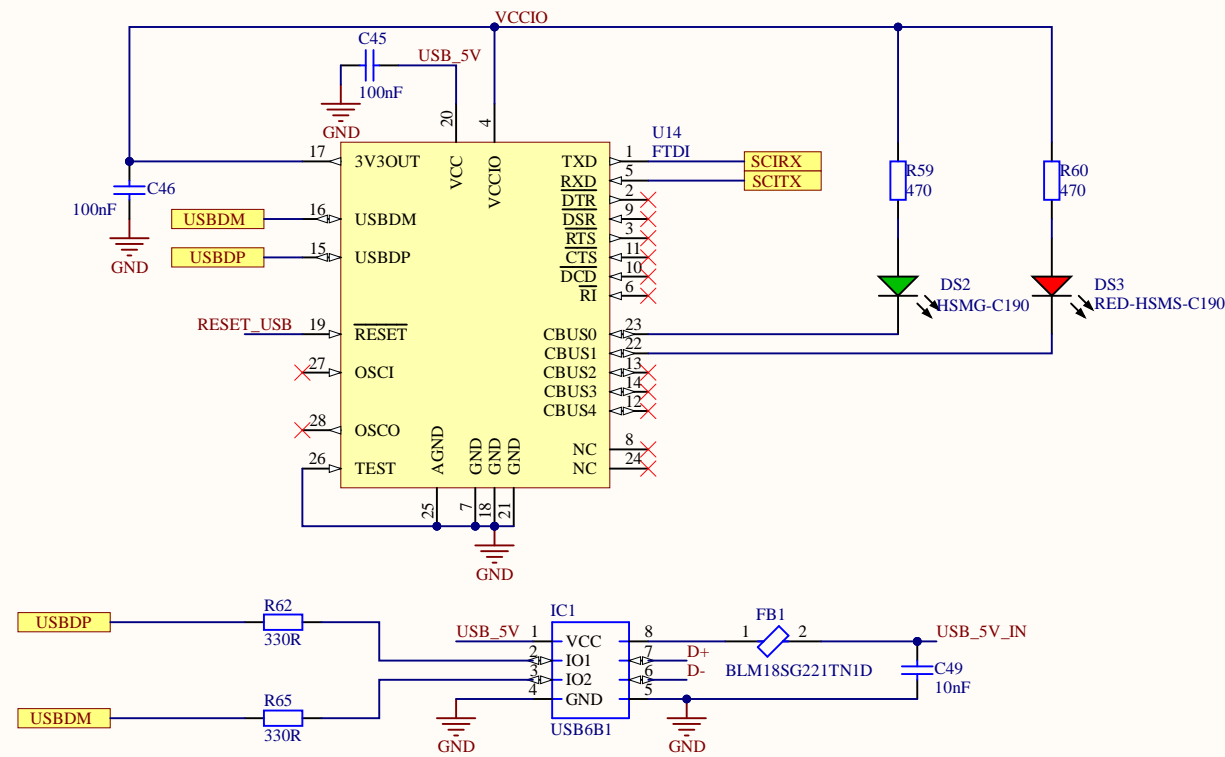


## 10V to 3,3V



Title		
Power Supply		
Size	Number	Revision
A4		
Date:	10. 11. 2021	Sheet of
File:	C:\Users\...\PowerSupply.SchDoc	Drawn By: Freisinberger Kristóf

# USB-UART Communication



Title <b>USB_FTDI</b>		
Size A4	Number	Revision
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