

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  
Boost\_Current  
Inverter\_Current

TZ1  
TZ2  
Boost\_Current  
Inverter\_Current\_1

USBDP  
USBDM  
SCIRX  
SCITX

USBDP  
USBDM  
SCIRX  
SCITX

Current Measurement

TZ1  
TZ2  
Boost\_Current  
Inverter\_Current\_1

Hall\_sensor.SchDoc

USB

USBDP  
USBDM  
SCIRX  
SCITX

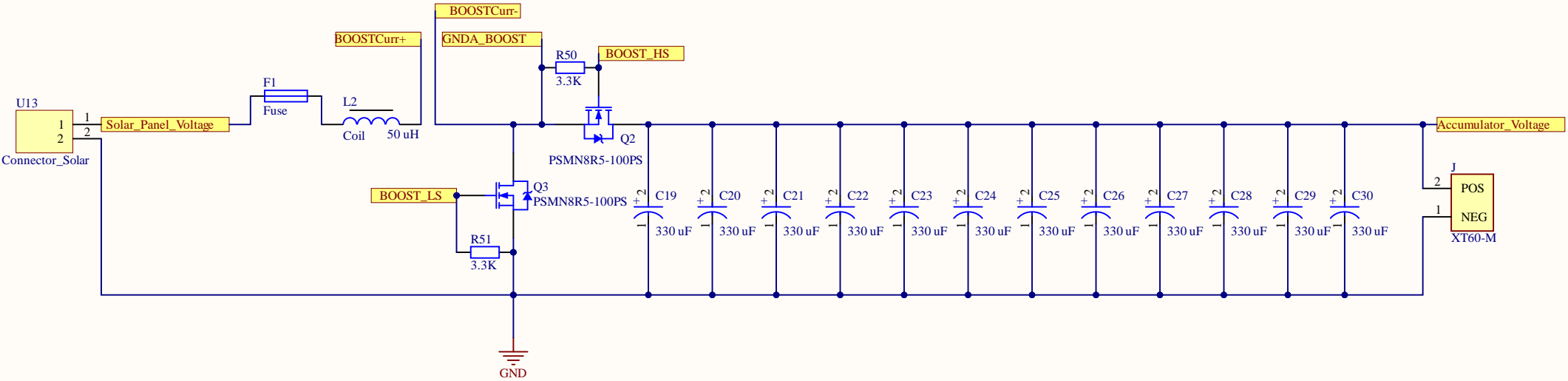
USB\_and\_FTDI.SchDoc

DSP.SchDoc

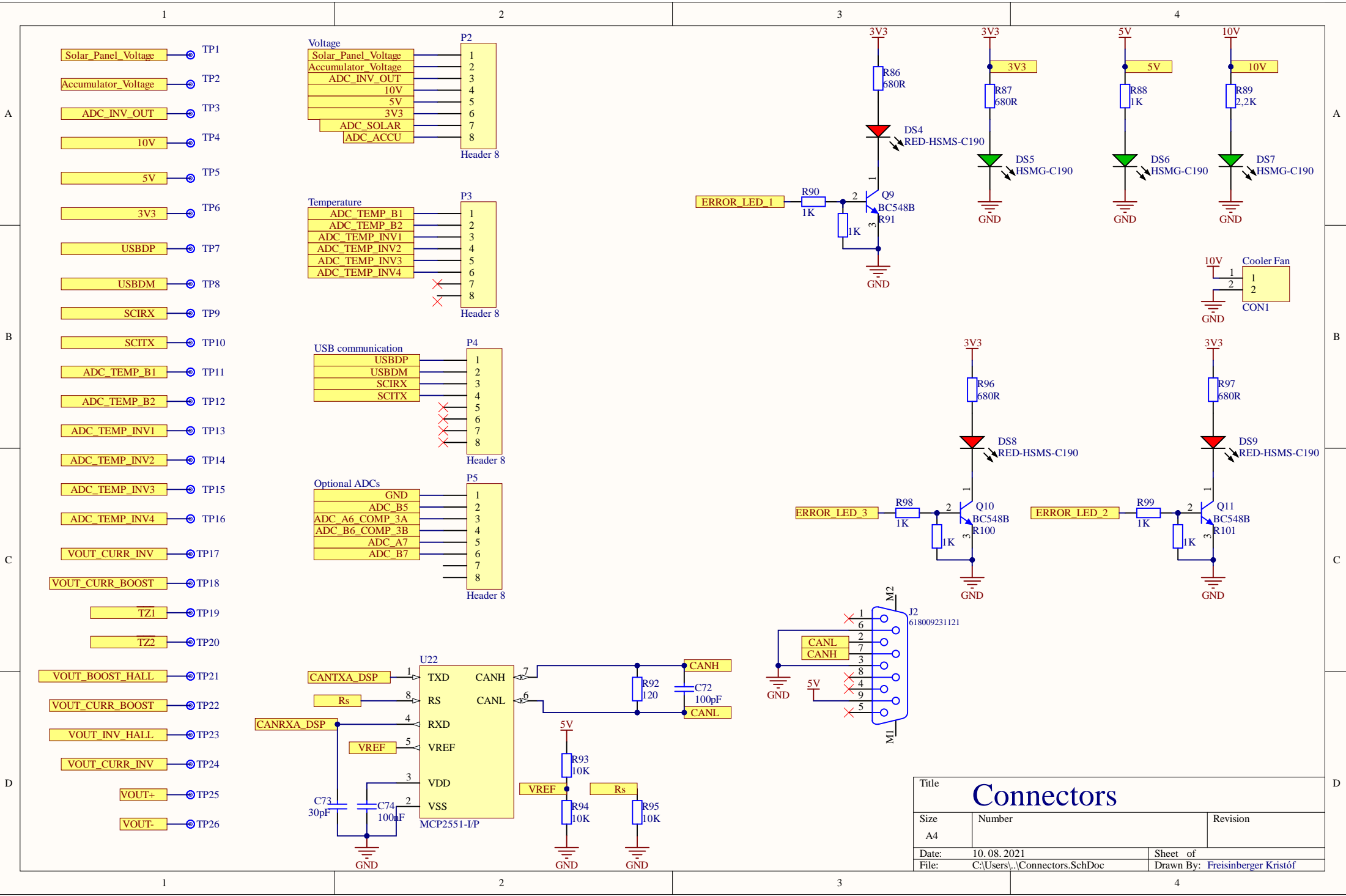
Connectors.SchDoc

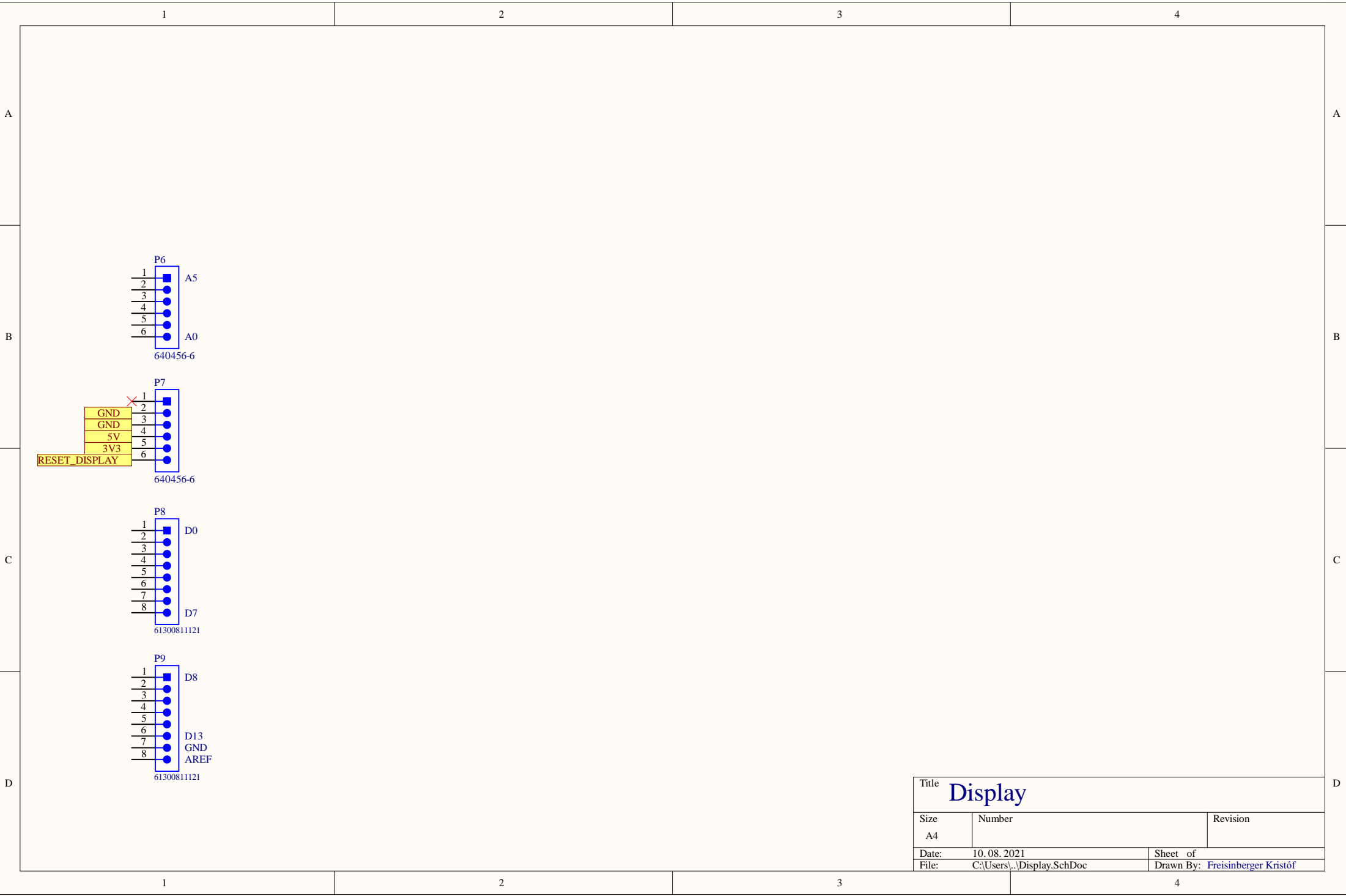
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Block Design			
Size	Number		Revision
A4			
Date:	10. 08. 2021	Sheet of	
File:	C:\Users\...\Block_Design.SchDoc	Drawn By:	Freisinberger Kristóf

# Boost Converter



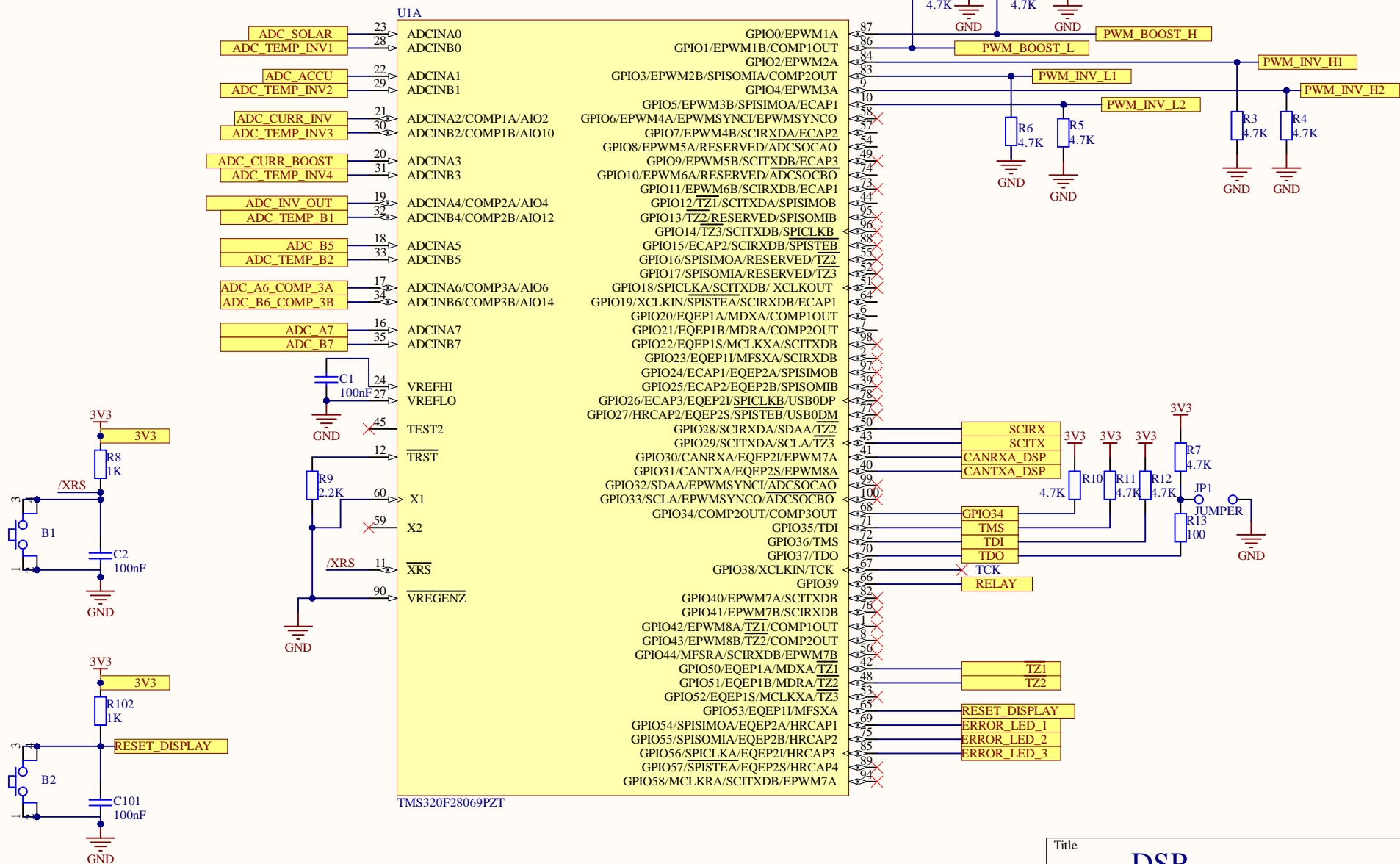
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Size	Number		Revision	
A4				
Date:	10. 08. 2021		Sheet of	
File:	C:\Users\...\BoostConverter.SchDoc		Drawn By: Freisinberger Kristóf	





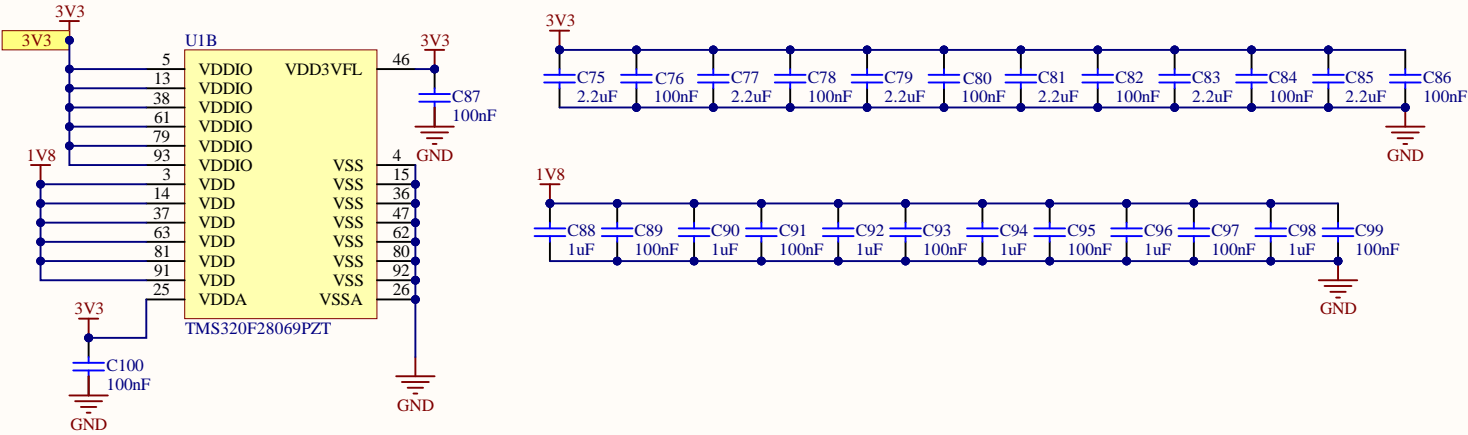
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Size	Number		Revision	
A4				
Date:	10. 08. 2021		Sheet	of
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# DSP



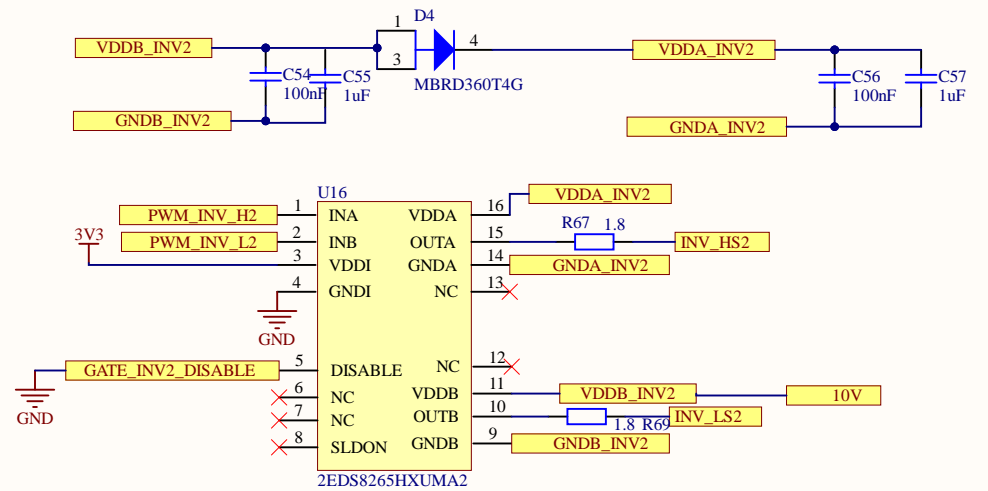
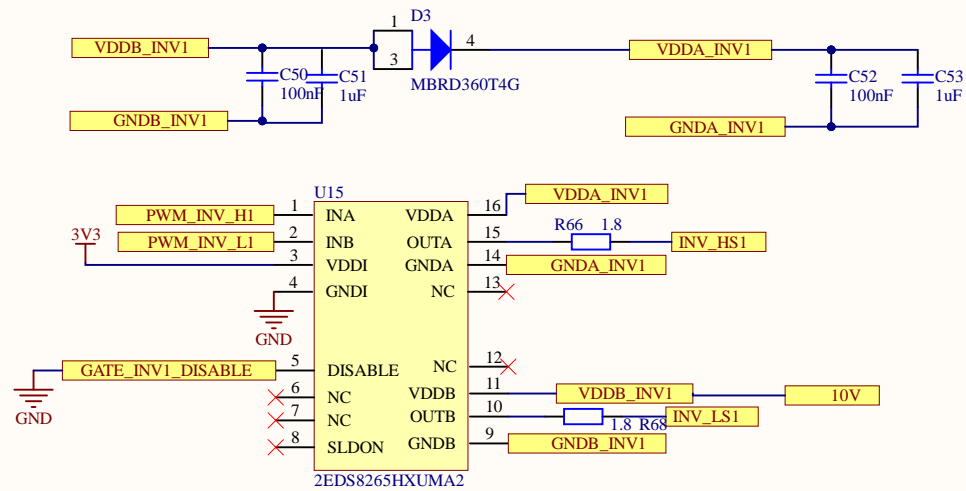
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Size	Number			Revision	
A4					
Date:	10. 08. 2021			Sheet of	
File:	C:\Users\... \DSP.SchDoc			Drawn By: Freisinberger Kristóf	

DSP Supply Pins

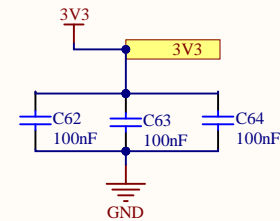
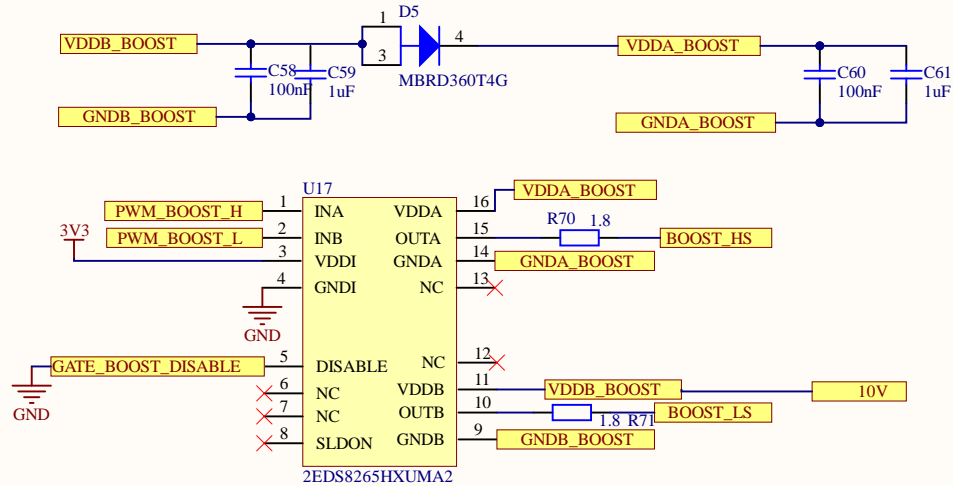


Title		
DSP Supply		
Size	Number	Revision
A4		
Date:	10. 08. 2021	Sheet of
File:	C:\Users\...\DSP_Supply.SchDoc	Drawn By: Freisinberger Kristóf

## Inverter Gate Driver



## Boost Gate Driver

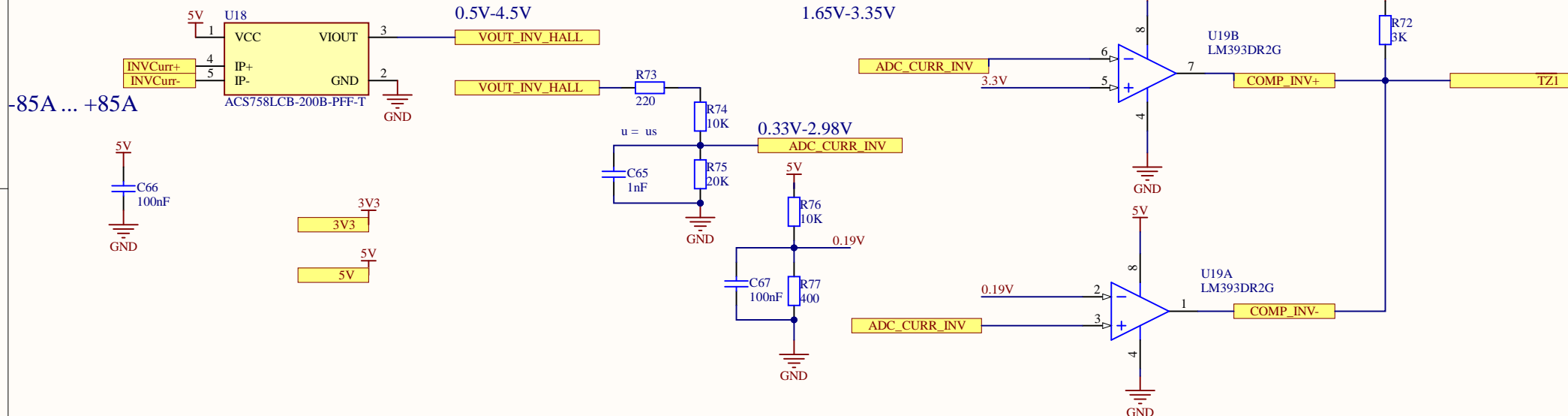


Title		
Gate Driver		
Size	Number	Revision
A4		
Date:	10. 08. 2021	Sheet of
File:	C:\Users\...\Gate-Driver.SchDoc	Drawn By: Freisinberger Kristóf

## Inverter Current

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

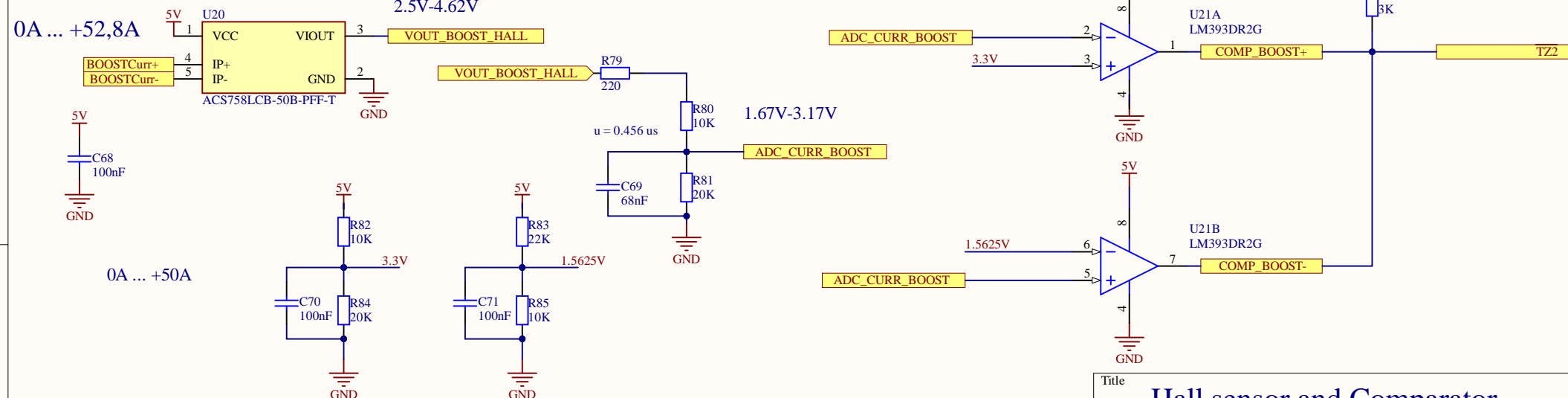
200A  
(2.5V-85\*0.01) ... (2.5V+85\*0.01)



## Boost converter Current

(2.5V) ... (2.5V+53\*0.04)  
2.5V-4.62V

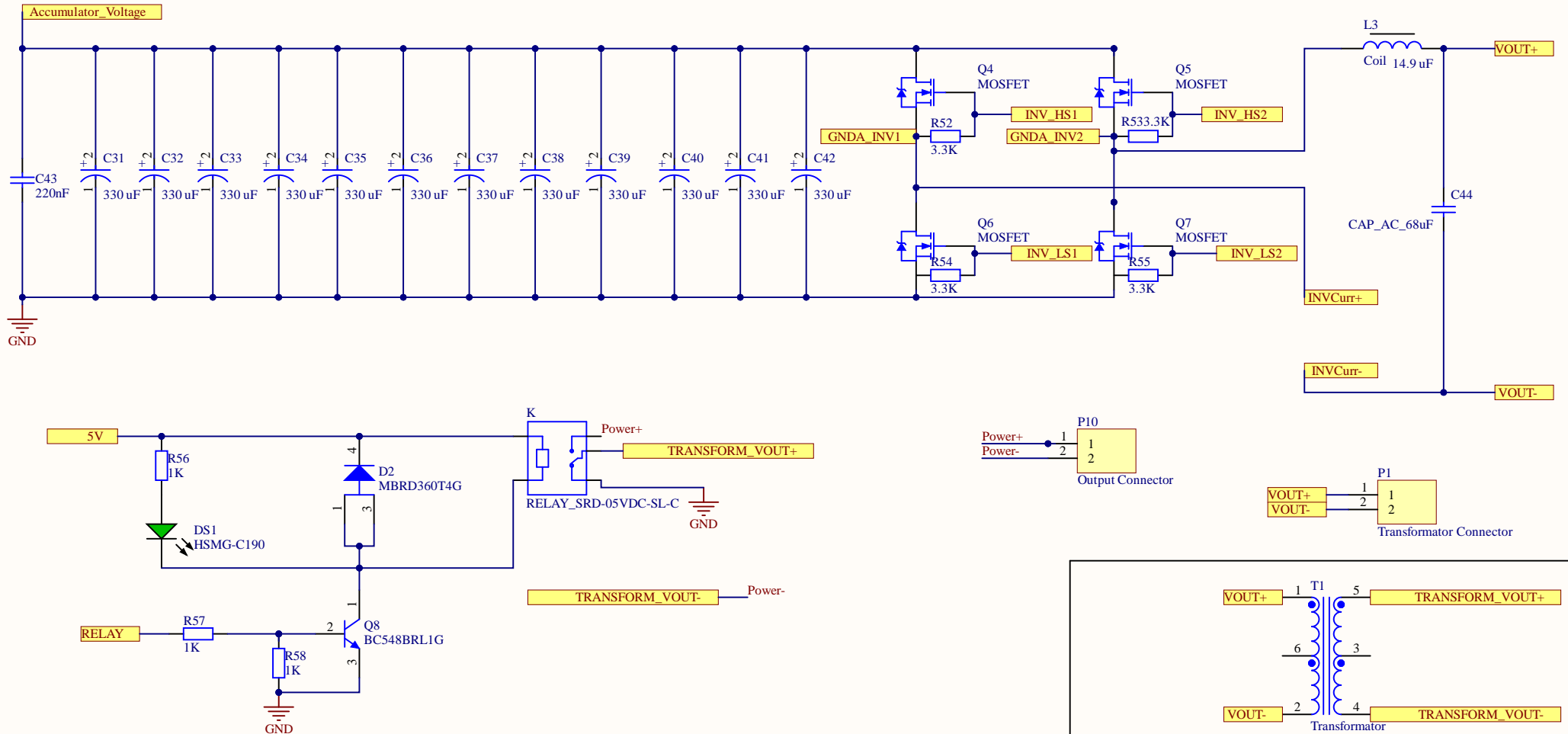
0A ... +52,8A



Title			Hall sensor and Comparator		
Size A4		Number		Revision	
Date: 10. 08. 2021			Sheet of		
File: C:\Users\...Hall_sensor.SchDoc			Drawn By: Freisinger Kristóf		

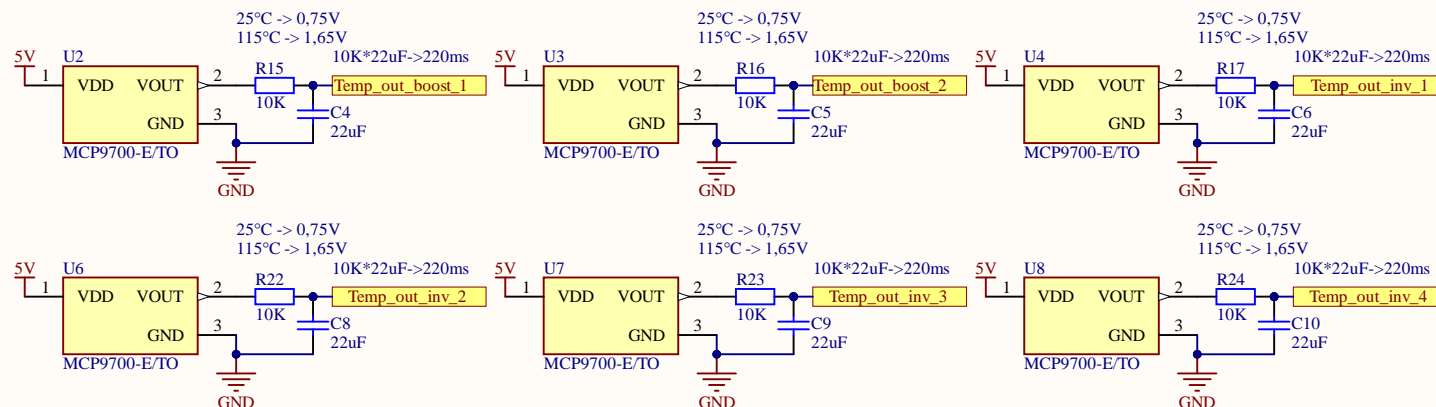


# Inverter

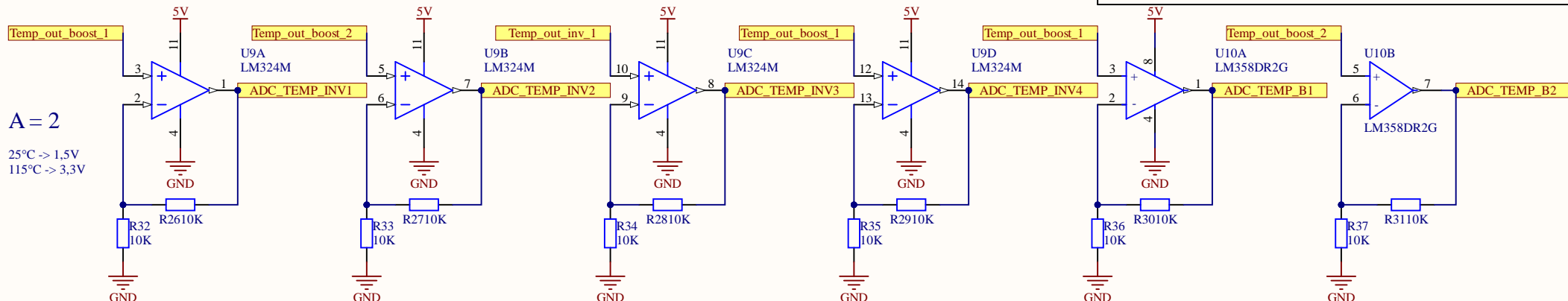
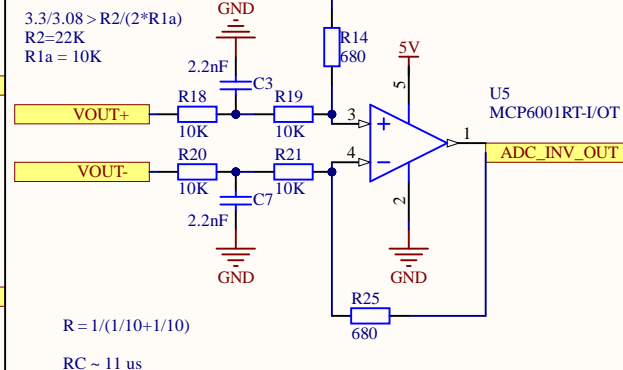


Title <b>Inverter</b>		
Size A4	Number	Revision
Date: 10.08.2021	Sheet of	
File: C:\Users\...\Inverter.SchDoc	Drawn By: Freisinberger Kristóf	

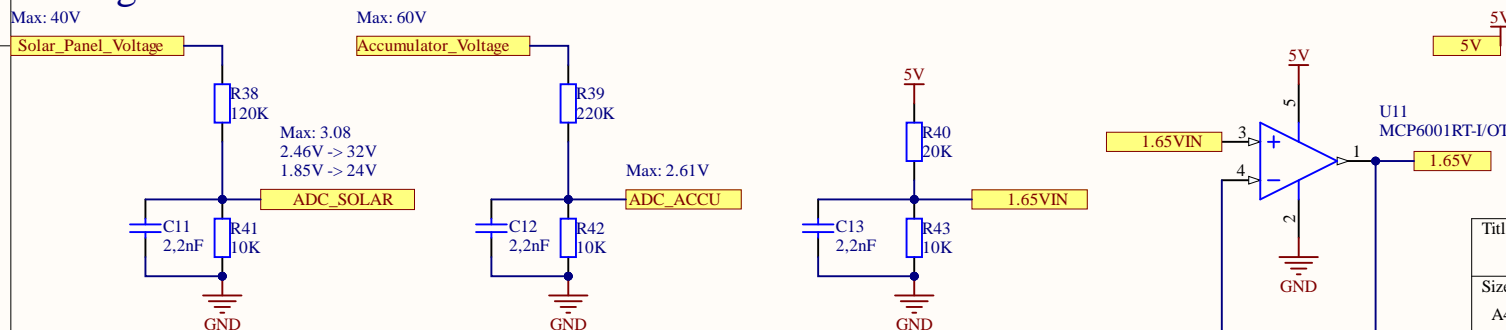
## Temperature Measurement



## Inverter Voltage

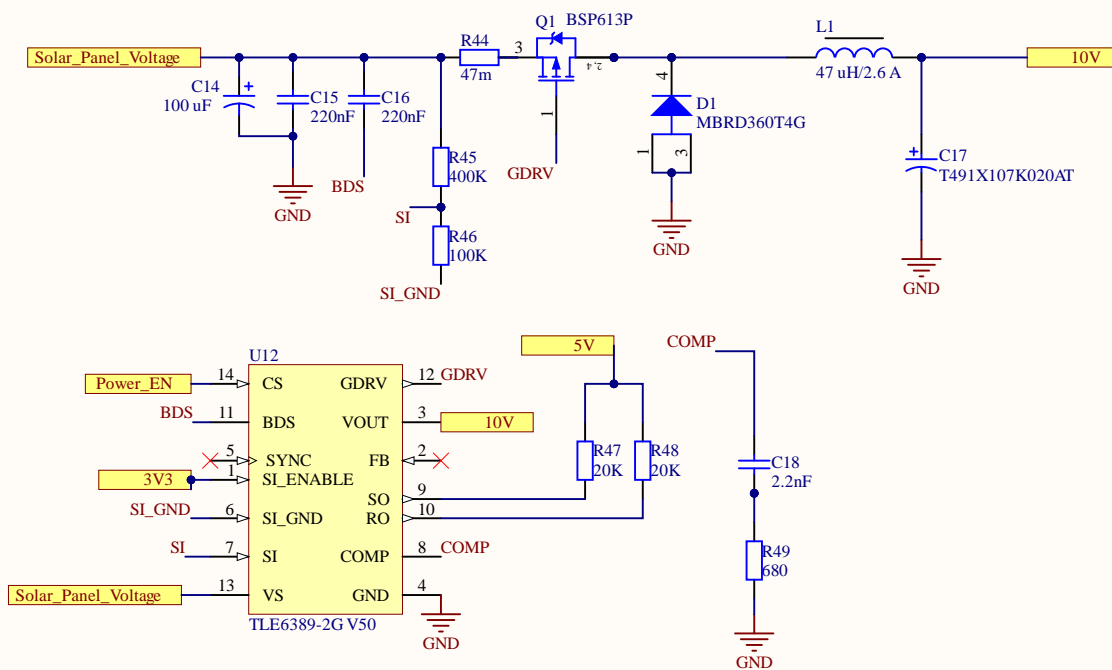


## Voltage Measurement



Title		
Measurements Voltage and Temperature		
Size	Number	Revision
A4		
Date:	10. 08. 2021	Sheet of
File:	C:\Users\...\Measurements.SchDoc	Drawn By: Freisinberger Kristóf

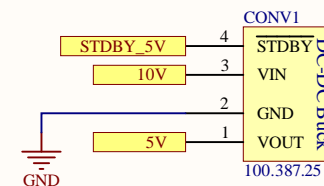
## 24-32V to 10V



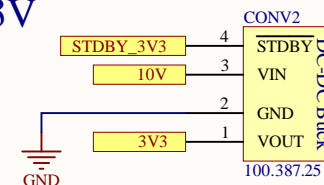
## ON



## 10V to 5V

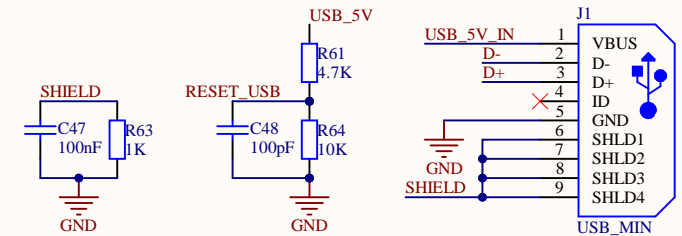
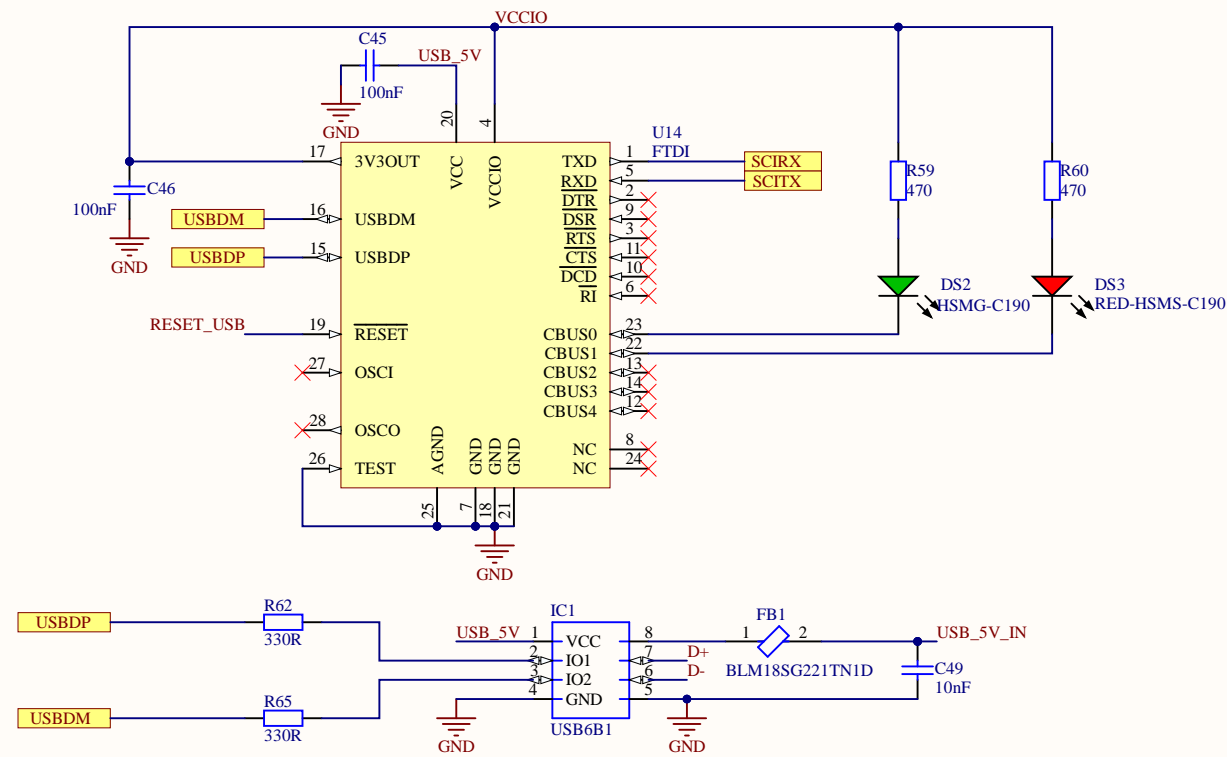


## 10V to 3,3V



Title		
Power Supply		
Size	Number	Revision
A4		
Date:	10. 08. 2021	Sheet of
File:	C:\Users\...\PowerSupply.SchDoc	Drawn By: Freisinberger Kristóf

# USB-UART Communication



Title <b>USB_FTDI</b>		
Size A4	Number	Revision
Date: 10.08.2021	Sheet of	
File: C:\Users\...\USB_and_FTDI.SchDoc	Drawn By: Freisinberger Kristóf	

