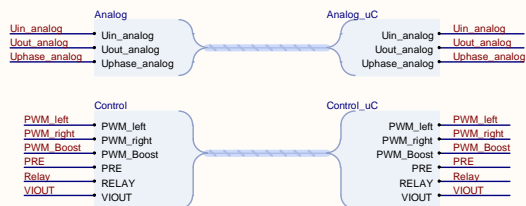
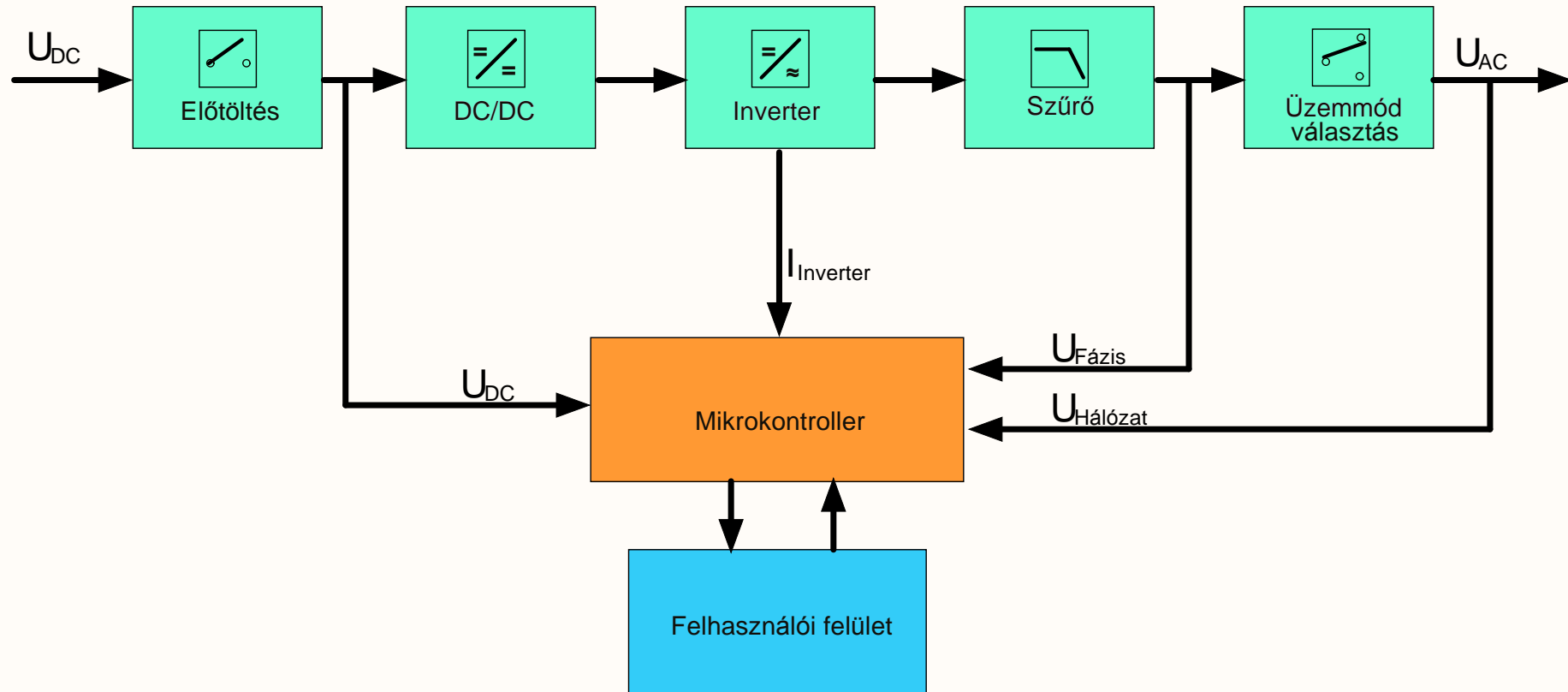


# BLOCK DIAGRAM



# Precharge

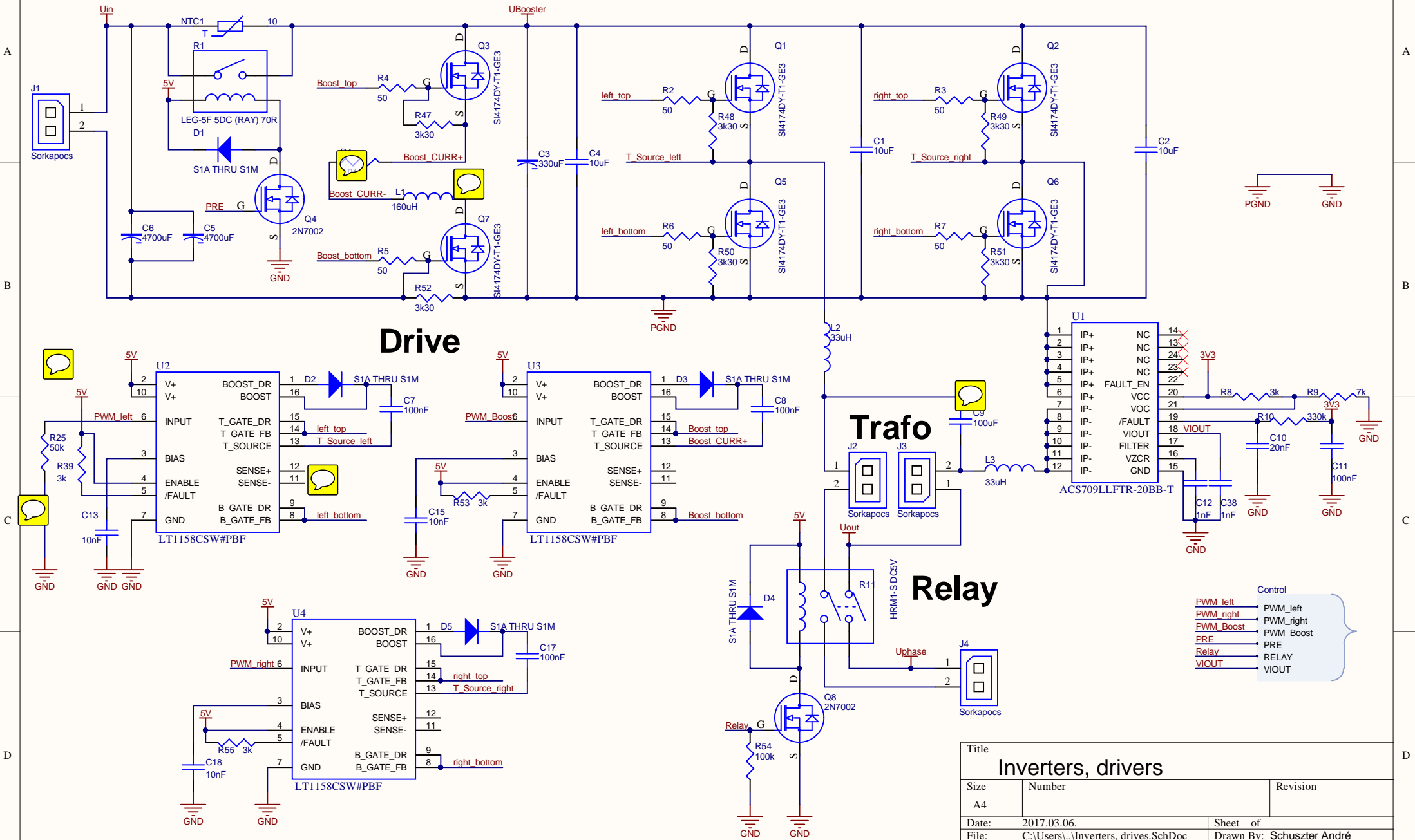
# Boost

# Inverter

# Drive

# Trafo

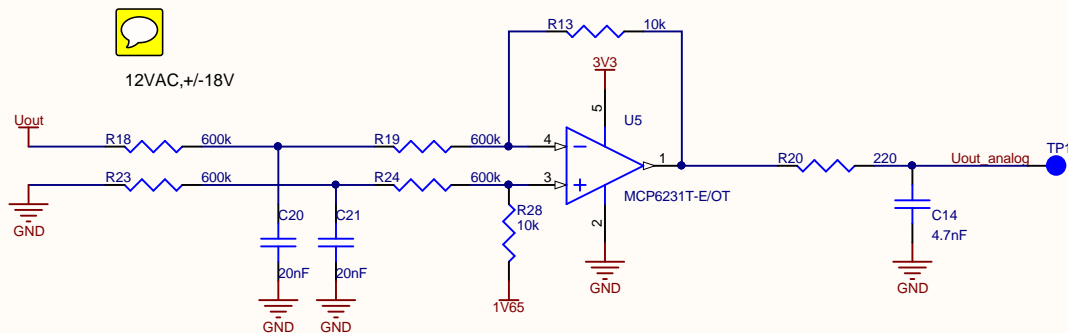
# Relay



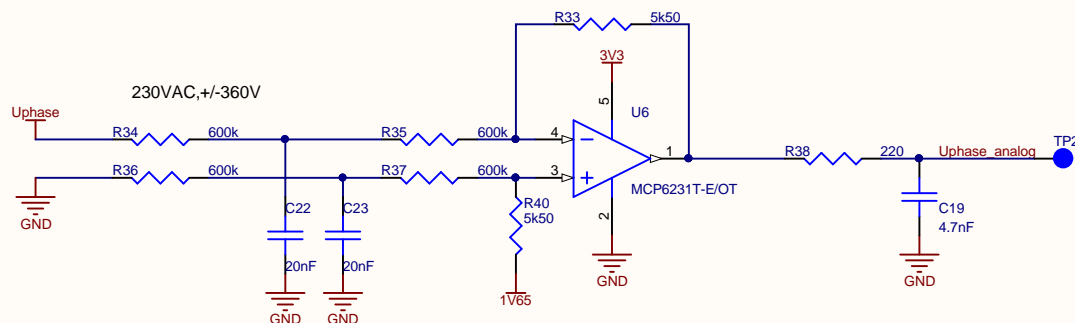
Title		
Inverters, drivers		
Size	Number	Revision
A4		
Date:	2017.03.06.	Sheet of
File:	C:\Users\...\Inverters, drives.SchDoc	Drawn By: Schusztter André

# Analog signals

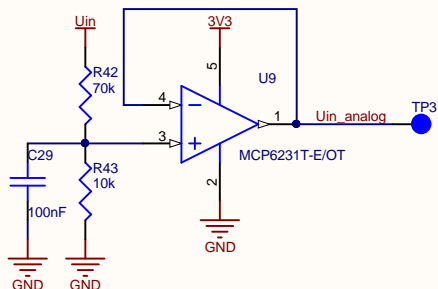
## Inverter output voltage



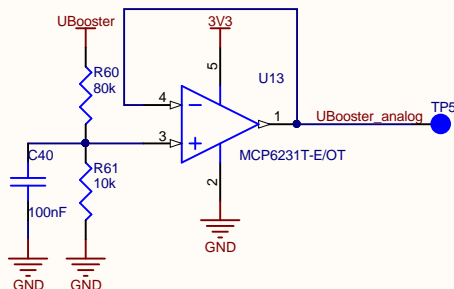
## Phase voltage



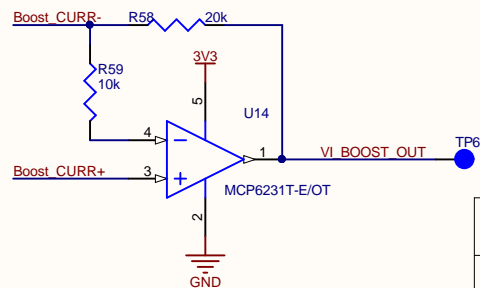
## Input voltage



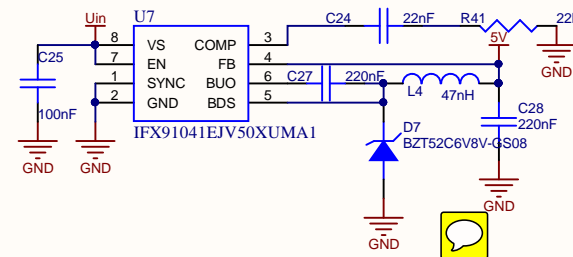
## Boost voltage



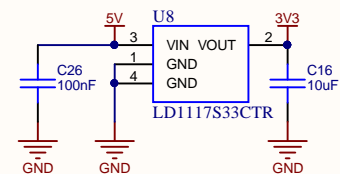
## Boost current



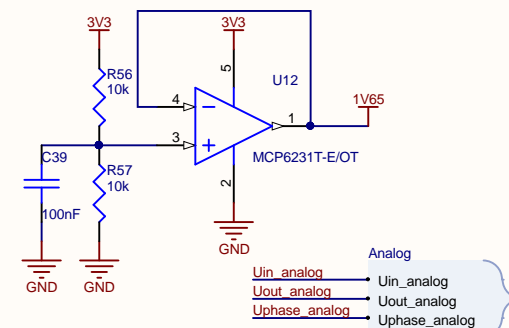
## Uin->5V



## 5V->3V3



## 3V3->1V65

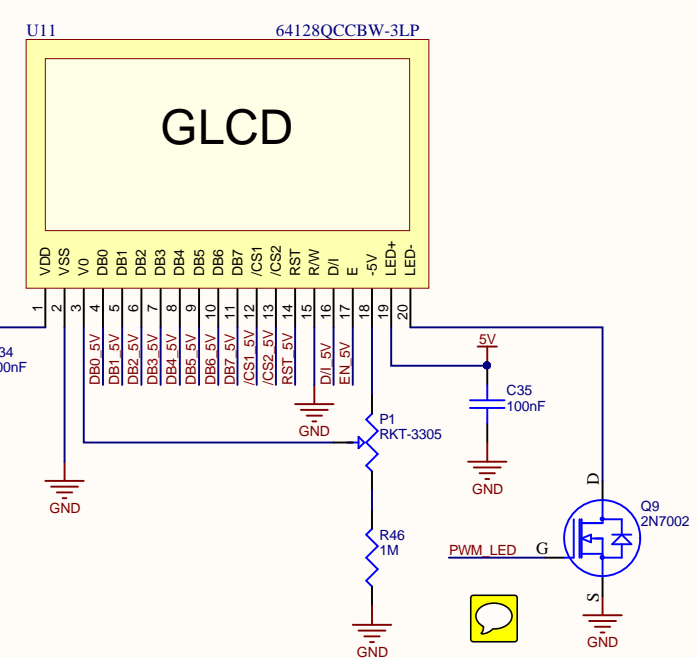
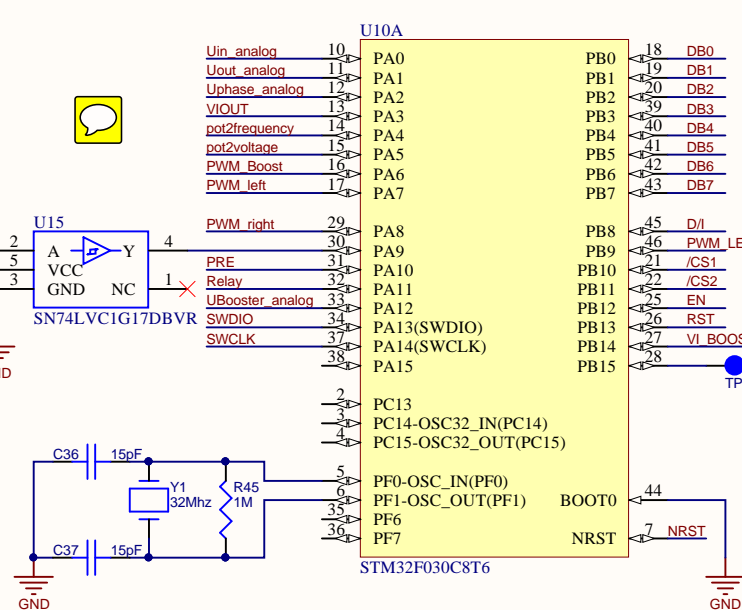
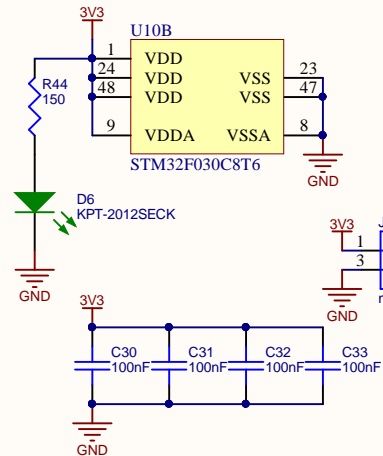


Analog  
 Uin\_analog → Uin\_analog  
 Uout\_analog → Uout\_analog  
 Uphase\_analog → Uphase\_analog

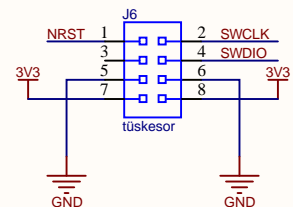
Title		
Measurements		
Size	Number	Revision
A4		
Date:	2017.03.06.	Sheet of
File:	C:\Users\...\Measurement.SchDoc	Drawn By: Schusztzer André

# Microcontroller

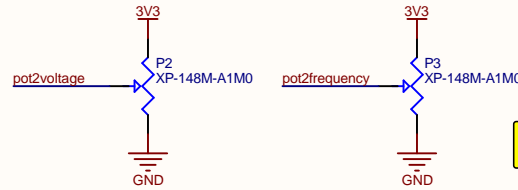
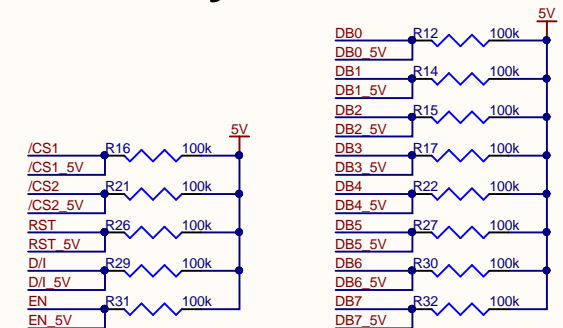
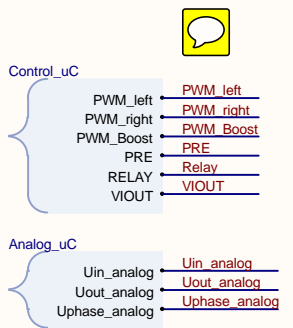
# User interface



## Programming



## 3v3->5V system conversion



Title		
Microcontroller		
Size	Number	Revision
A4		
Date:	2017.03.06.	Sheet of
File:	C:\Users\...\microcontroller.SchDoc	Drawn By: Schusztter André