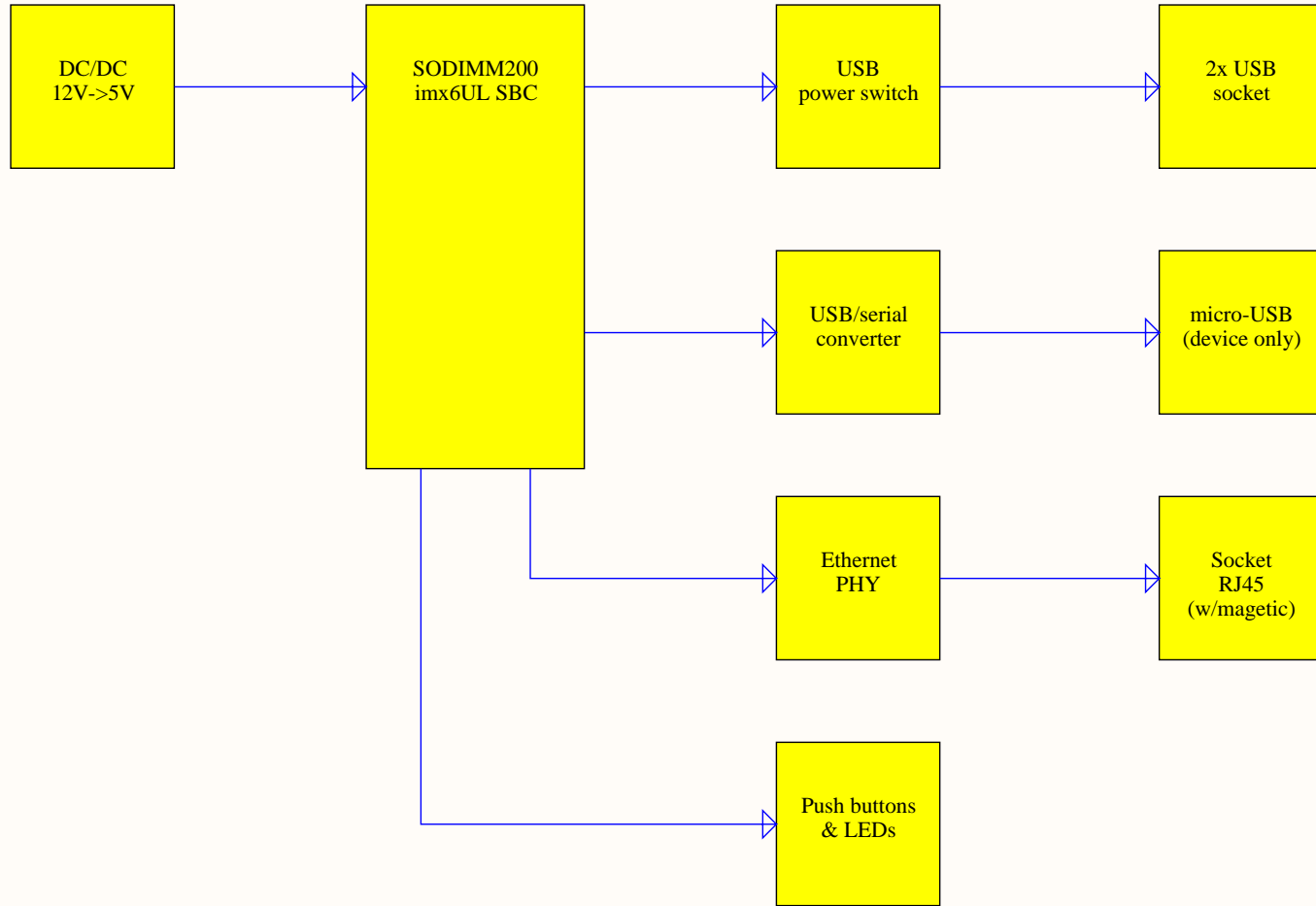
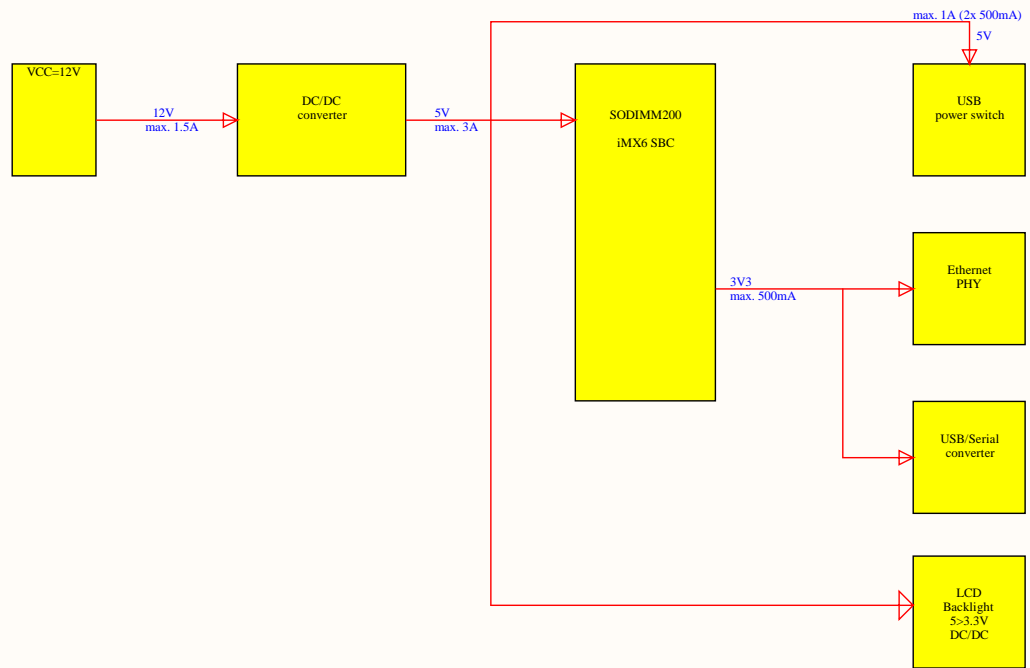


# Block diagram



Title		
Size A3	Number	Revision
Date: 09.10.2018	Sheet of	
File: D:\Projekt\...01_BlockDiagram.SchDoc	Drawn By:	

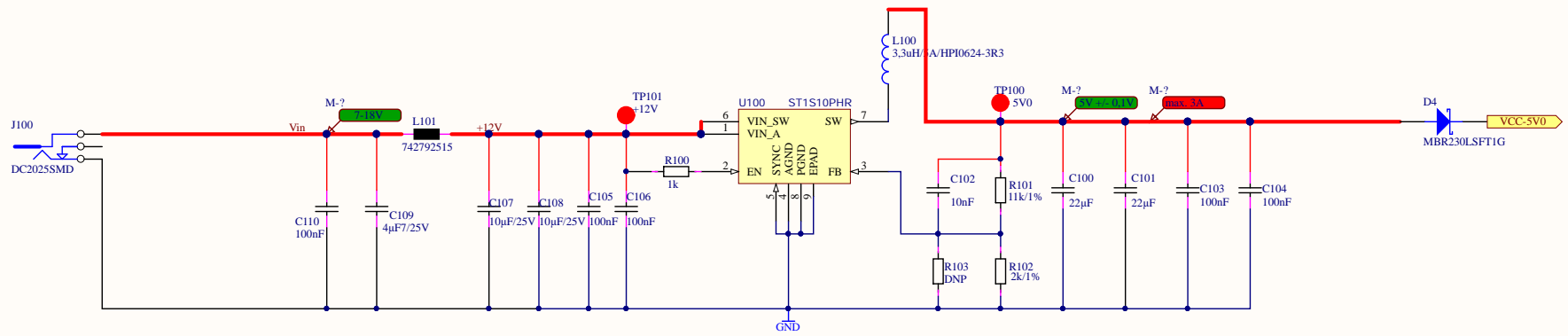
# Power tree



Title		
Size	Number	Revision
A3		
Date:	09.10.2018	Sheet of
File:	D:\Projekt\...02_PowerTree.SchDoc	Drawn By:

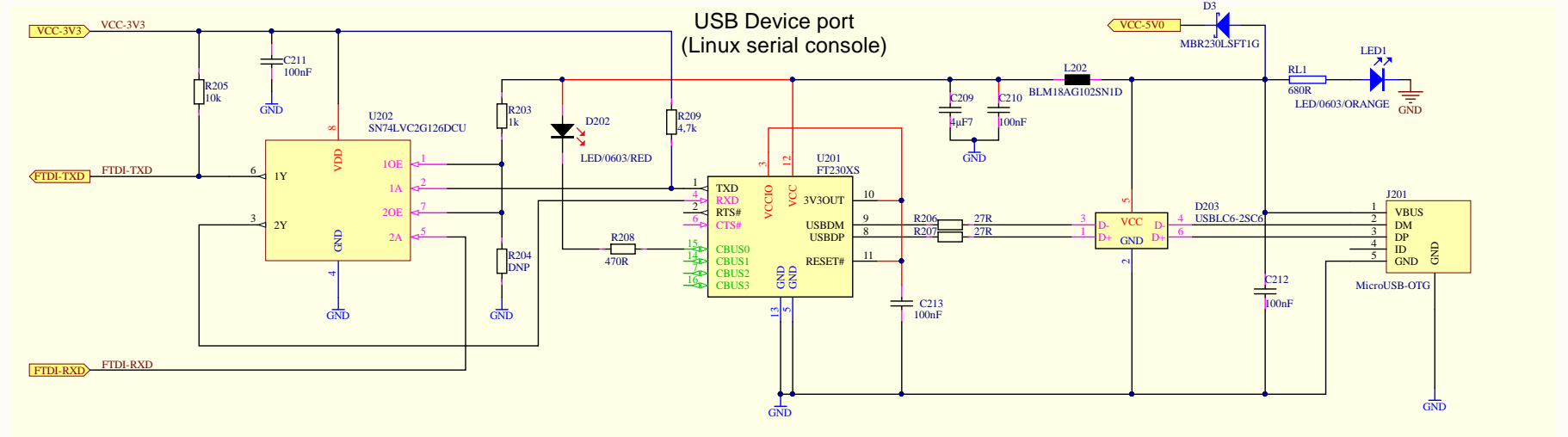
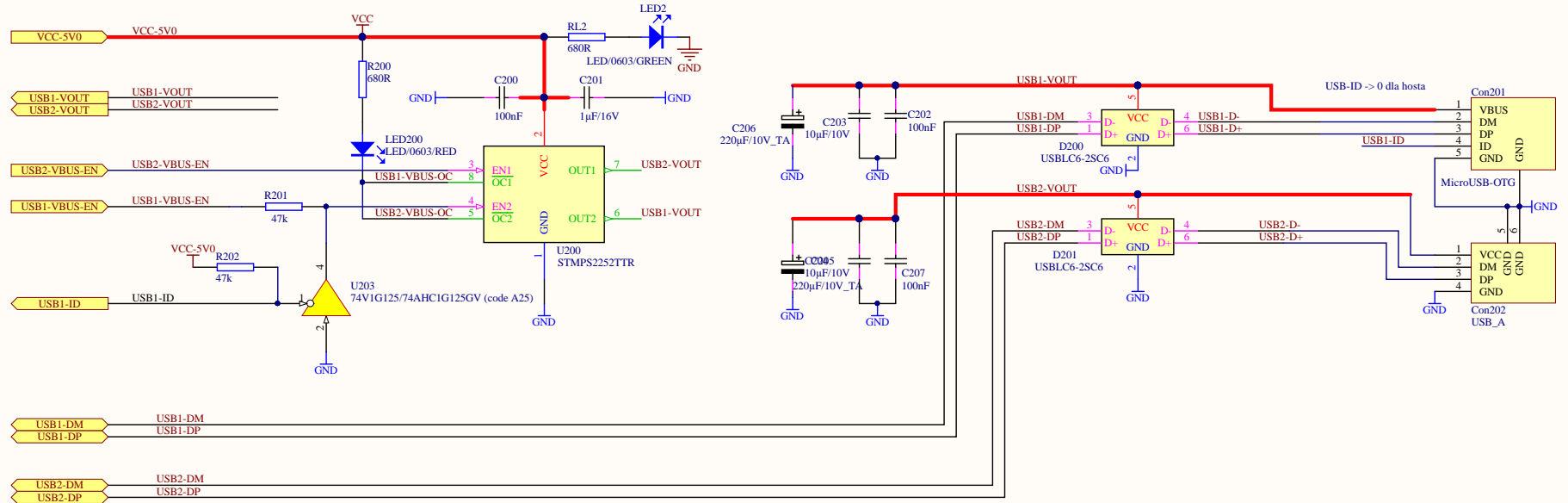


# Power supply - DC/DC converter



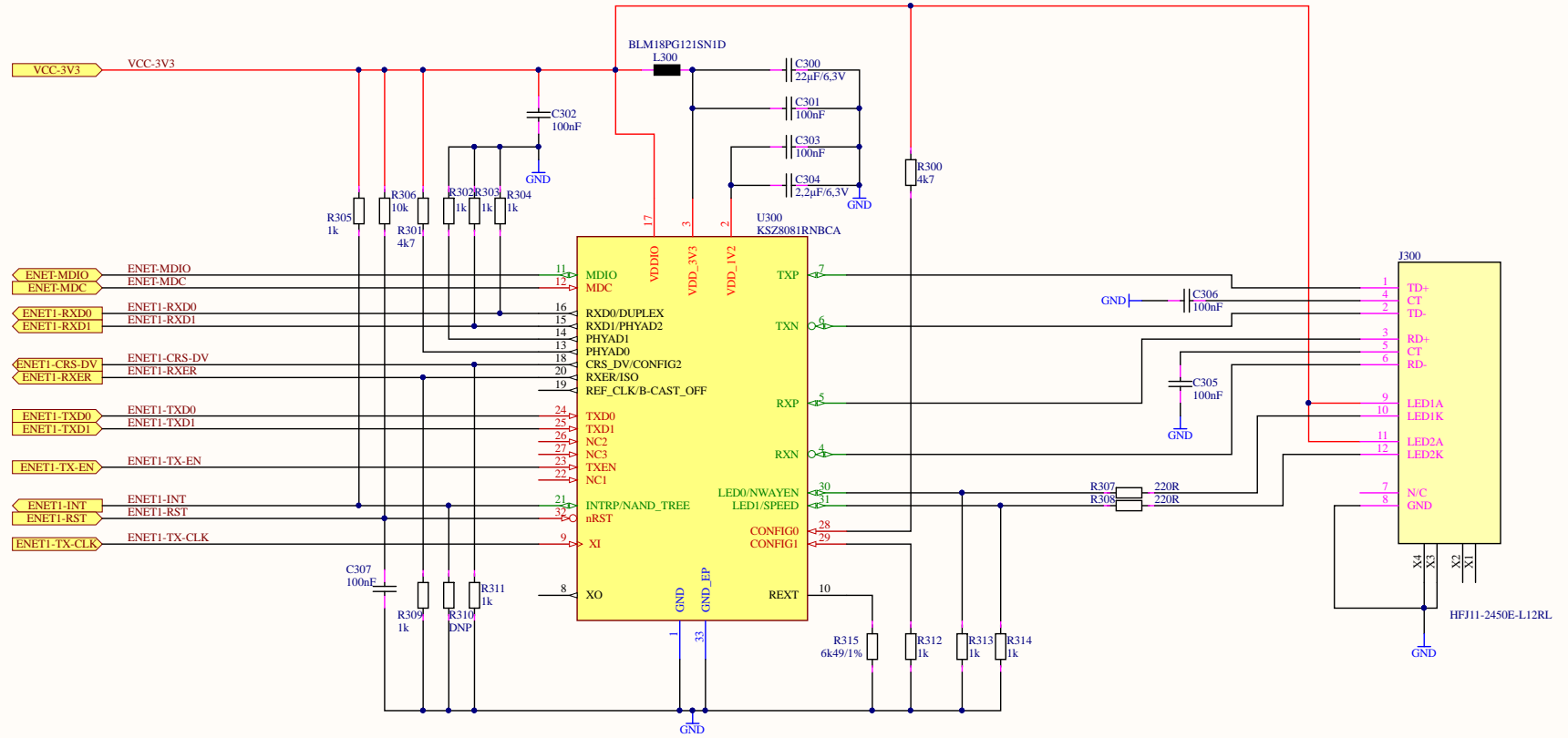
Title		
Size	Number	Revision
A3		
Date:	09.10.2018	Sheet of
File:	D:\Projekt\...04_PowerSupply.SchDoc	Drawn By:

# USB interfaces



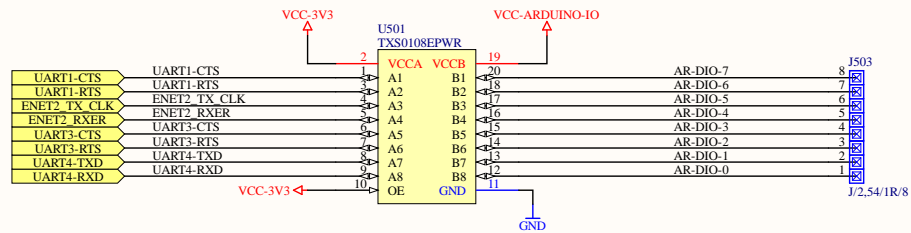
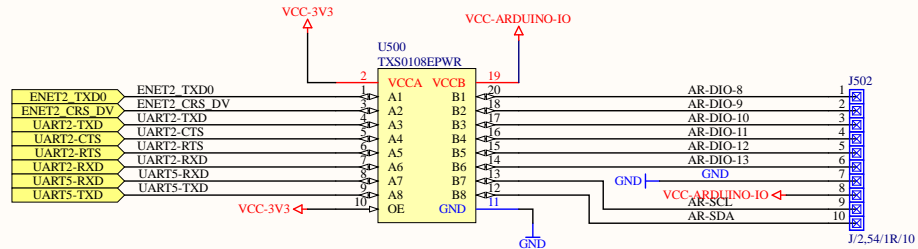
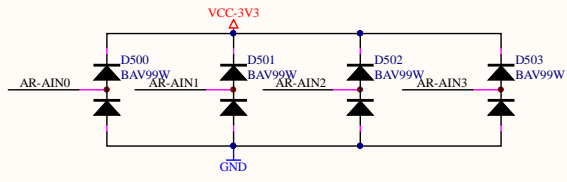
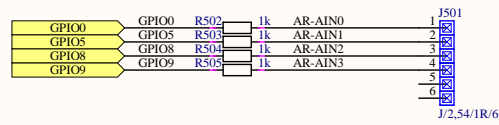
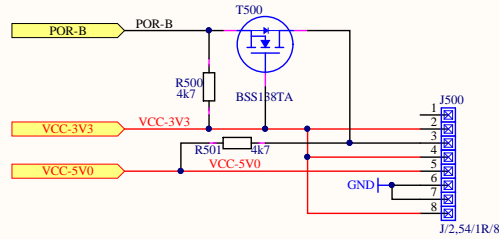
Title		Revision	
Size	Number		
A3			
Date:	09.10.2018	Sheet	of
File:	D:\Projekt\...05_USBInterface.SchDoc	Drawn By:	

# Ethernet interface



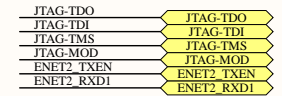
Title		
Size	Number	Revision
A3		
Date:	09.10.2018	Sheet of
File:	D:\Projekt\...06_EthInterface.SchDoc	Drawn By:

# Arduino shield - compatible interface



## RPI3 compatible header

Header Pin	Header Label	Header Pin	Header Label
1	VCC-3V3	19	VCC-5V0
2	UART5-RXD	20	VCC-5V0
3	UART5-TXD	21	GND
4	ENET2-TXD0	22	UART4-TXD
5	GND	23	UART4-RXD
6	ENET2-CRS-DV	24	GPI05
7	UART1-CTS	25	GND
8	UART1-RTS	26	GPI08
9	VCC-3V3	27	GPI09
10	UART2-CTS	28	GND
11	UART2-RTS	29	GPI00
12	UART2-RXD	30	UART2-TXD
13	GND	31	ENET2-TXEN
14	ENET2-TX-CLK	32	GND
15	ENET2-RXER	33	JTAG-MOD
16	UART3-CTS	34	GND
17	UART3-RTS	35	JTAG-TDO
18	ENET2-RXD1	36	JTAG-TDI
19	GND	37	JTAG-TMS
20		38	
21		39	
22		40	



Title		
Size	Number	Revision
A3		
Date:	09.10.2018	Sheet of
File:	D:\Projekt\...07_ArduinoShield.SchDoc	Drawn By: