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- PM1

FIDU-DOT - small
- PM2

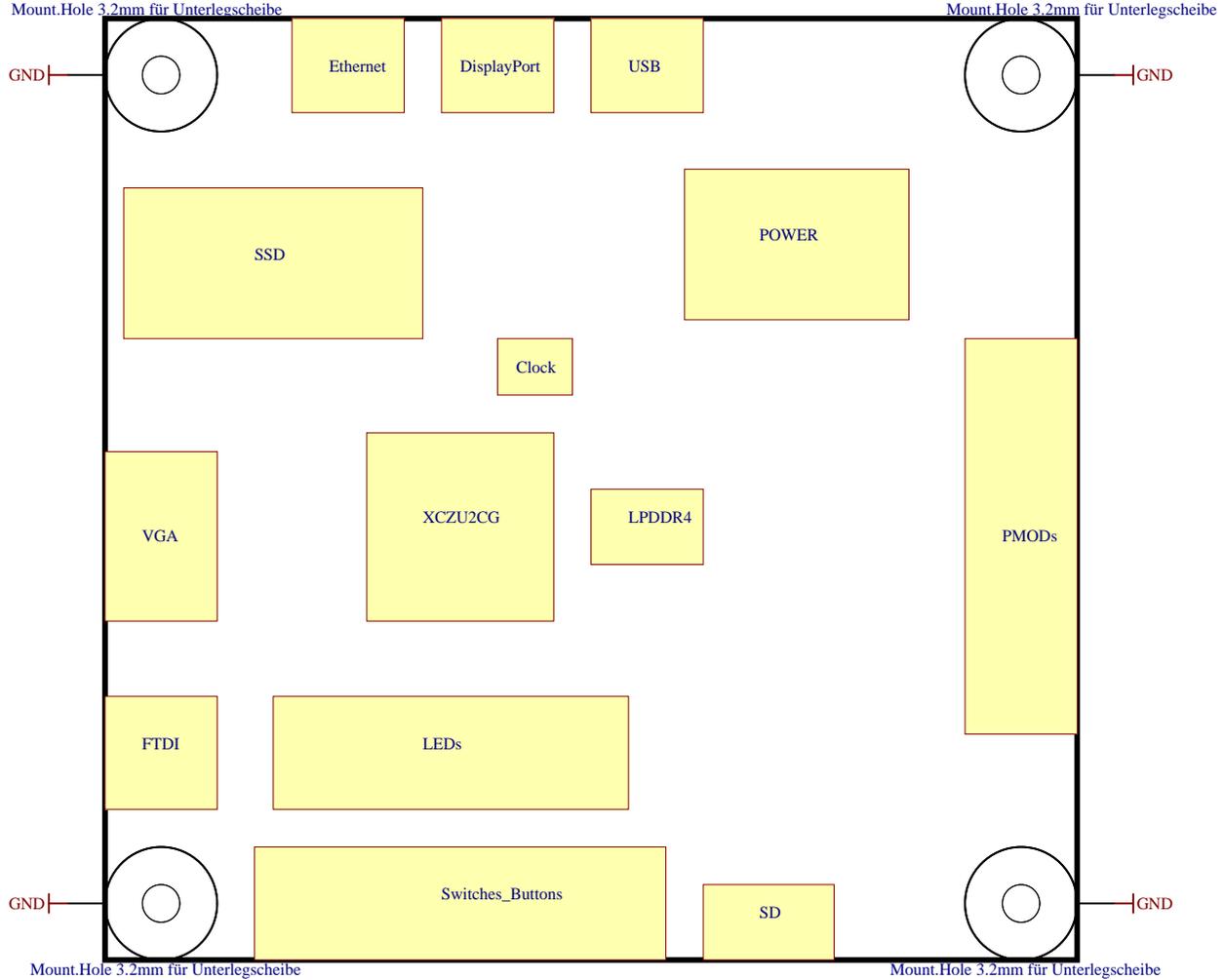
FIDU-DOT - small
- PM3

FIDU-DOT - small
- PM4

FIDU-DOT - small
- PM6

FIDU-DOT - small
- PM5

FIDU-DOT - small



Assembly variant	2AEV2-A
Created by	IG
Modified by	IG
Modified at	2019-05-13
SVN Revision	12614

Serial1
Serial
Serialnumber 6,3 x 6,3mm

LOGO1
TE Logo PRINT Layer
LOGO PRINT

MISC1
Digilent Serialnumber
Digilent_SN



Title: TE0802		
A4	Number: TE0802-02 2AEV2-A	Rev. 02
Date: 2019-05-20	Copyright: Trenz Electronic GmbH	Page 1 of 25
Drawn by: IG	Filename: TE0802.schdoc	

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A

A

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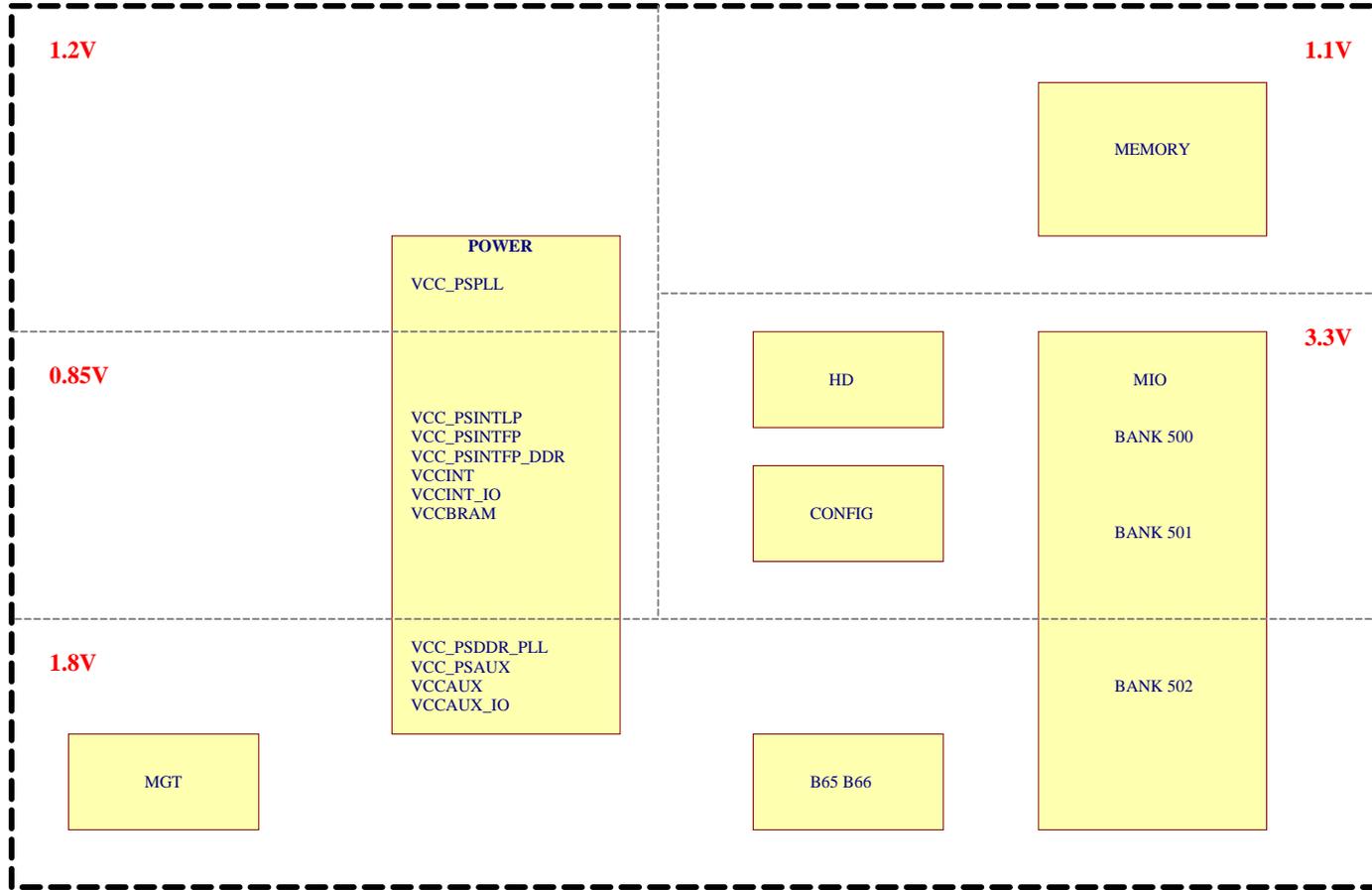
B

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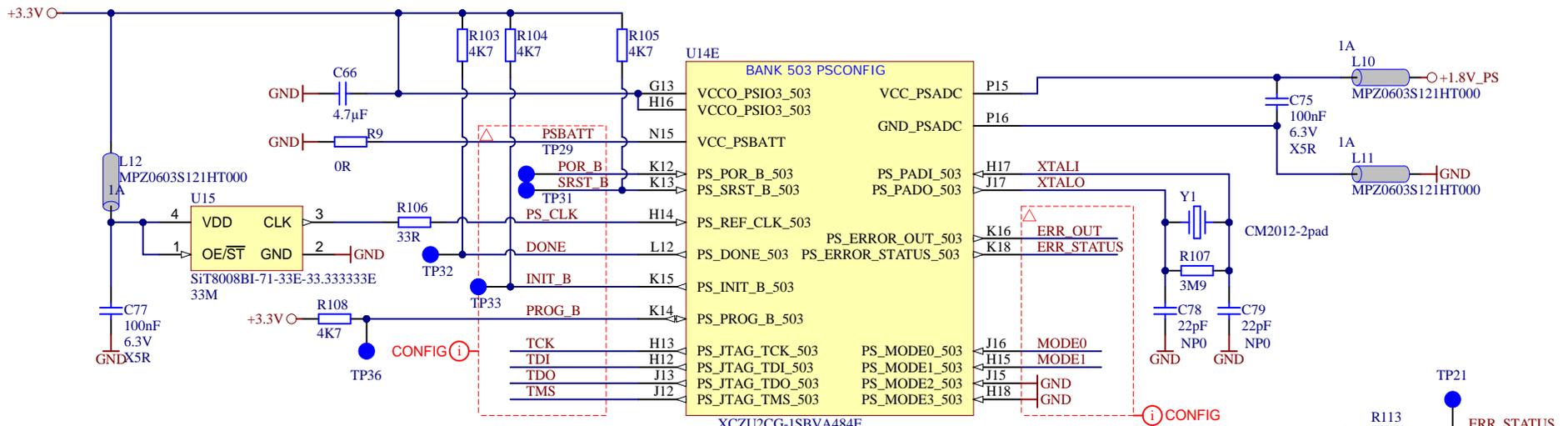
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	A4	Number: TE0802-02 2AEV2-A	Rev. 02
	Date: 2019-05-20	Copyright: Trenz Electronic GmbH	Page 2 of 25
	Drawn by: IG	Filename: XCU2CG.SchDoc	

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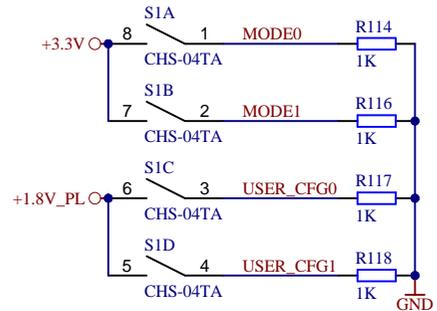
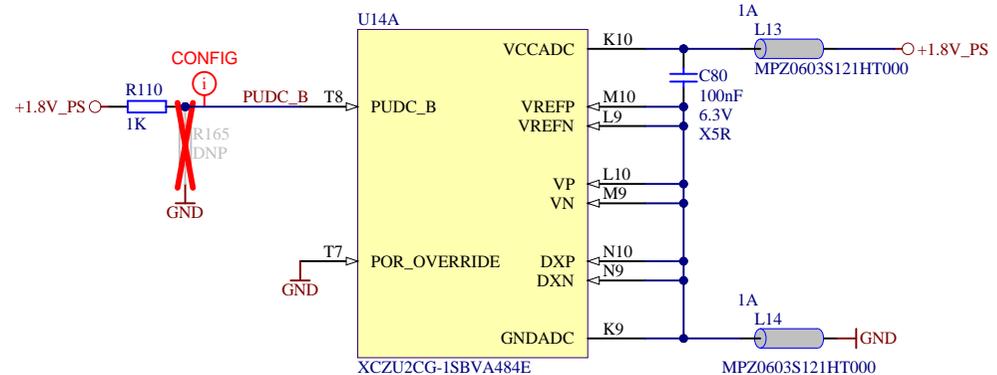
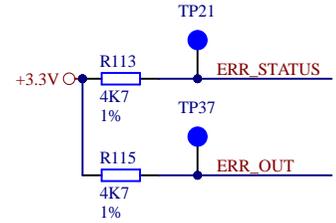
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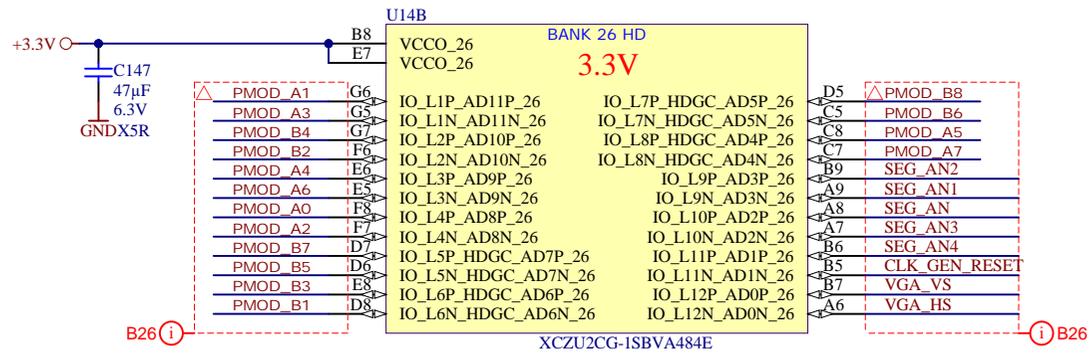


TP23 PSBATT
 Testpoint 0.9mm THT
 TP24
 GND
 Testpoint 0.8mm THT

	MODE [1:0]
JTAG	00
QSPI(24b)	01
QSPI(32b)	10
SD0(2.0)	11



Title: XCZU2CG_Config		
A4	Number: TE0802-02 2AEV2-A	Rev. 02
Date: 2019-05-20	Copyright: Trenz Electronic GmbH	Page 3 of 25
Drawn by: IG	Filename: XCZU2CG_Config.SchDoc	



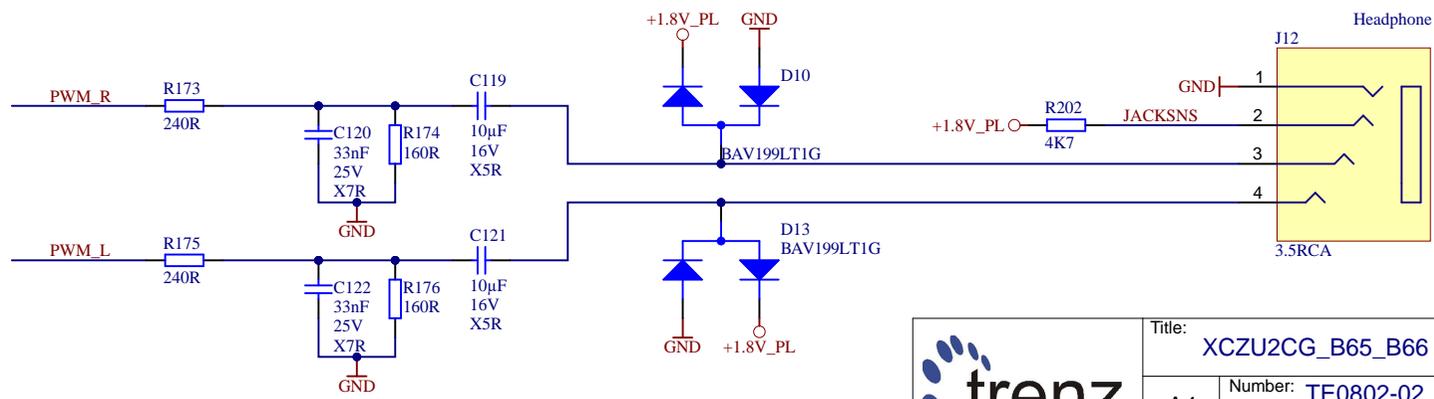
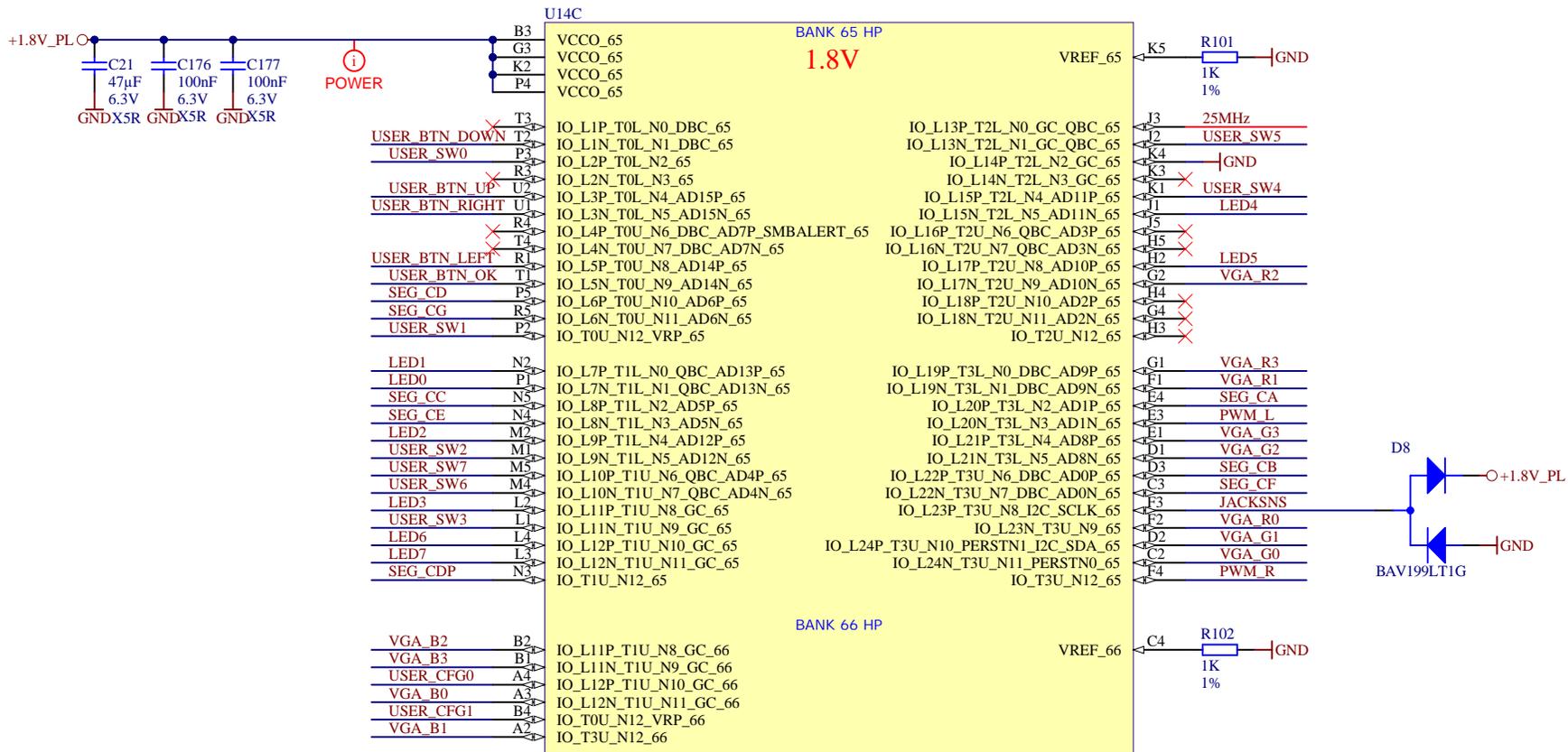
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A4	Number: TE0802-02 2AEV2-A	Rev. 02
Date: 2019-05-20	Copyright: Trenz Electronic GmbH	Page 4 of 25
Drawn by: IG	Filename: XCZU2CG_HD.SchDoc	

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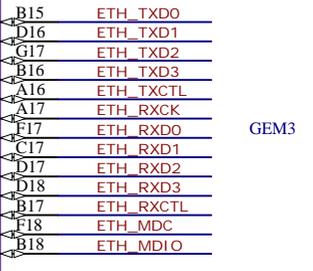
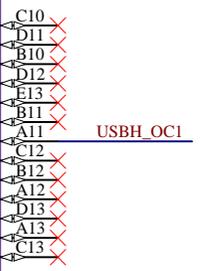
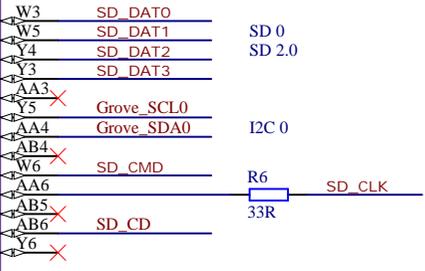
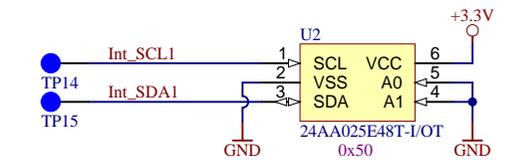
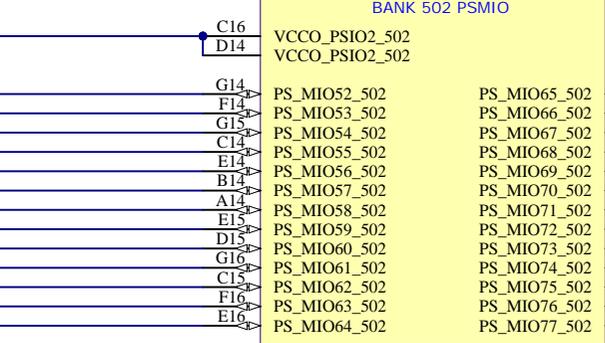
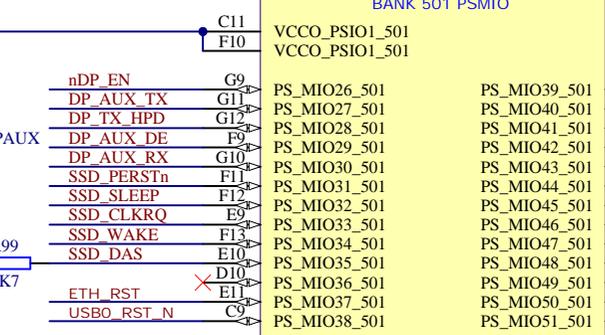
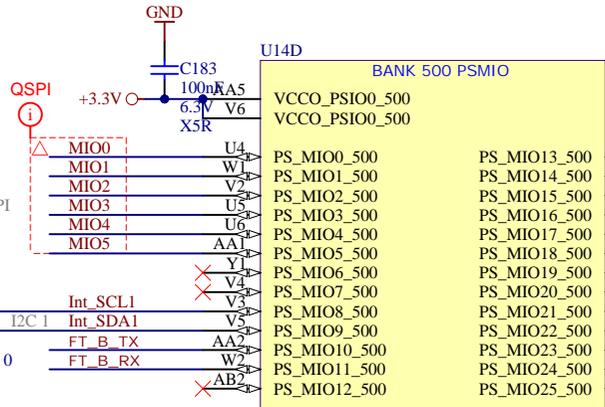
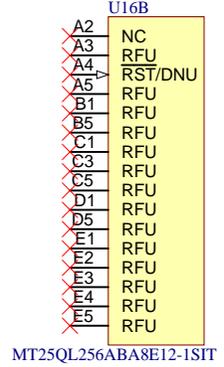
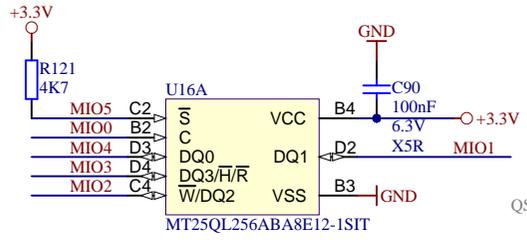
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Date: 2019-05-20	Copyright: Trenz Electronic GmbH	Page 5 of 25
Drawn by: IG	Filename: XCZU2CG_B65_B66.SchDoc	

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Title: XCZU2CG_MIO		
A4	Number: TE0802-02 2AEV2-A	Rev. 02
Date: 2019-05-20	Copyright: Trenz Electronic GmbH	Page 6 of 25
Drawn by: IG	Filename: XCZU2CG_MIO.SchDoc	

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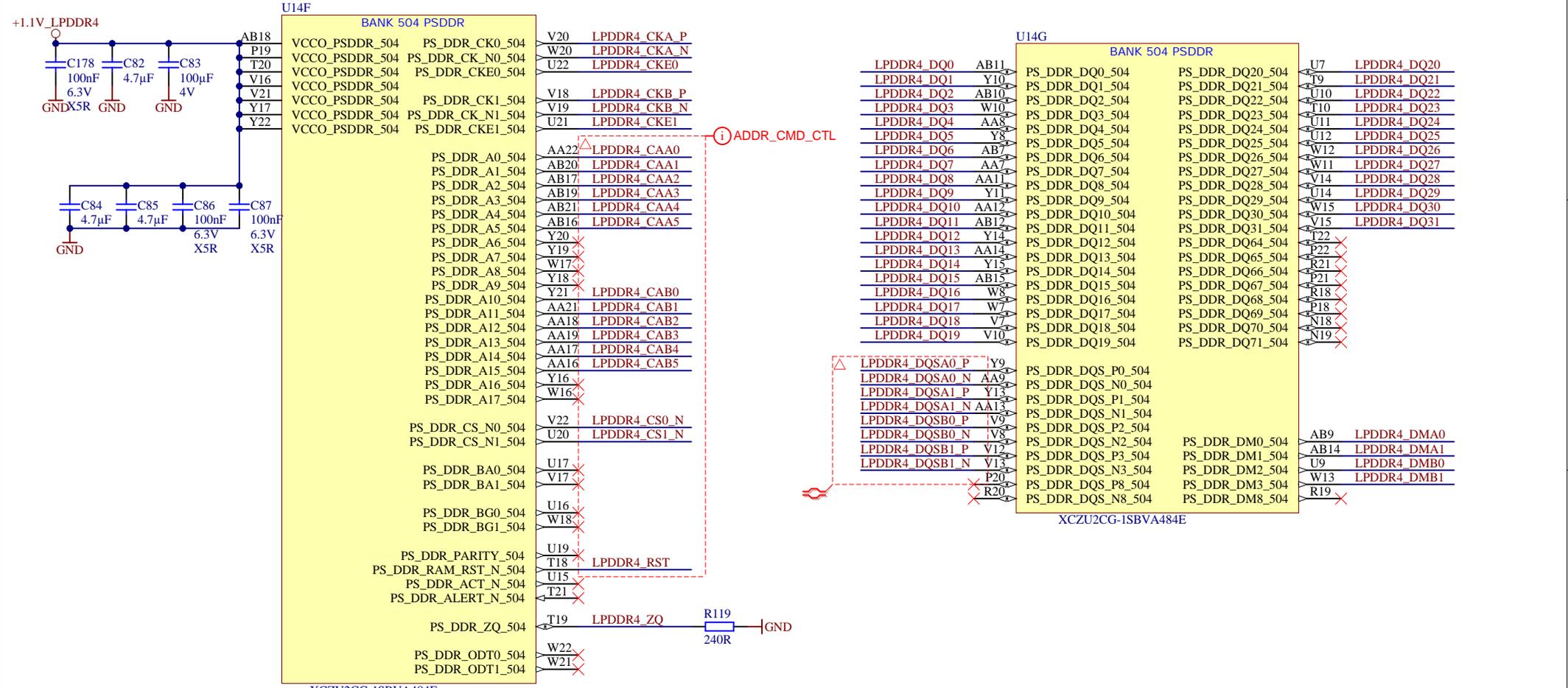
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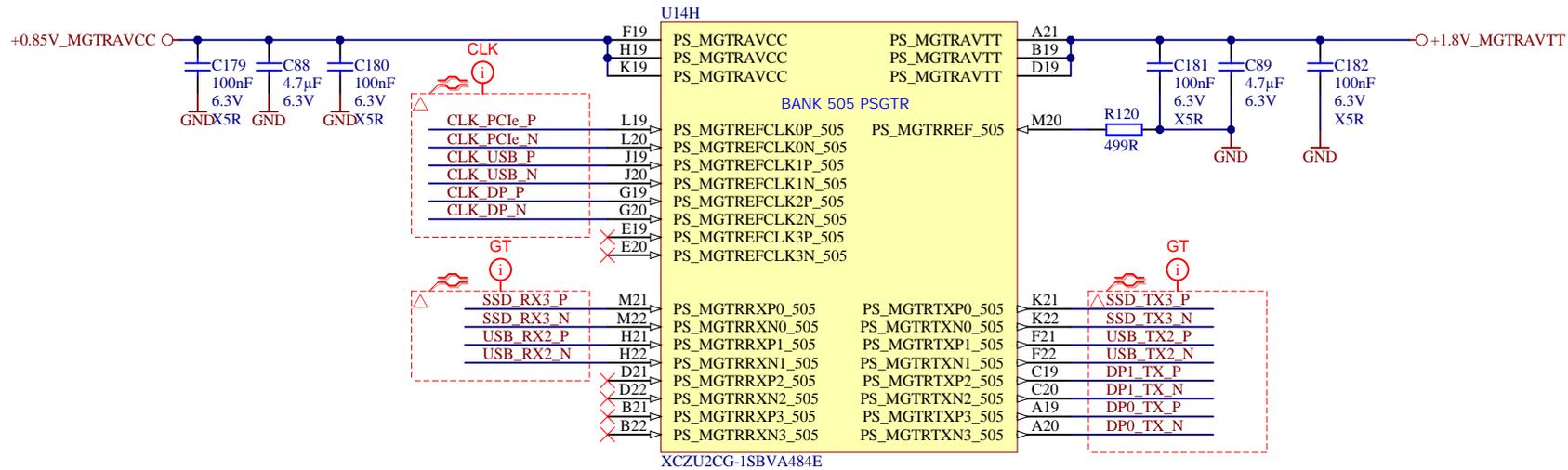
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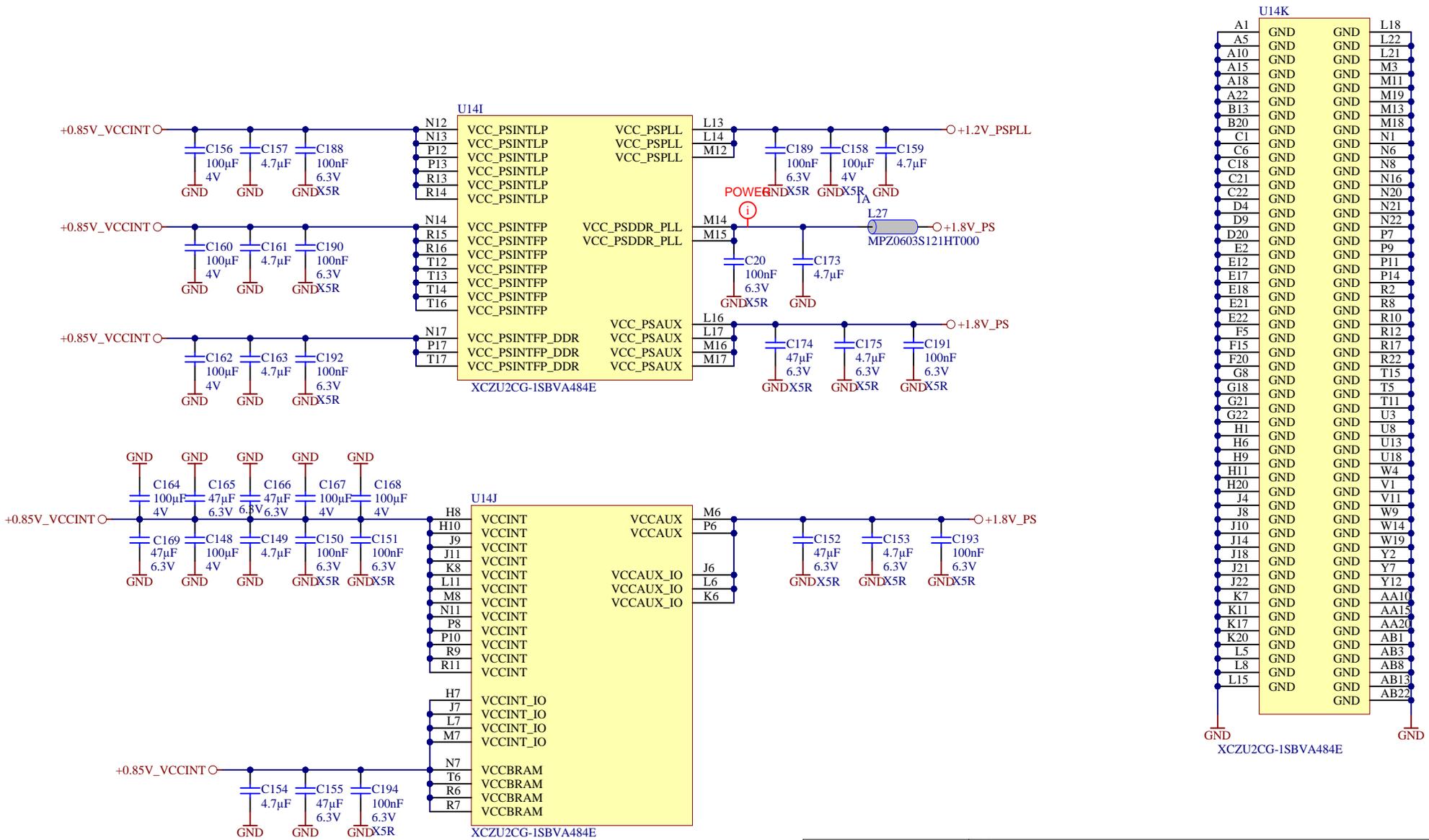
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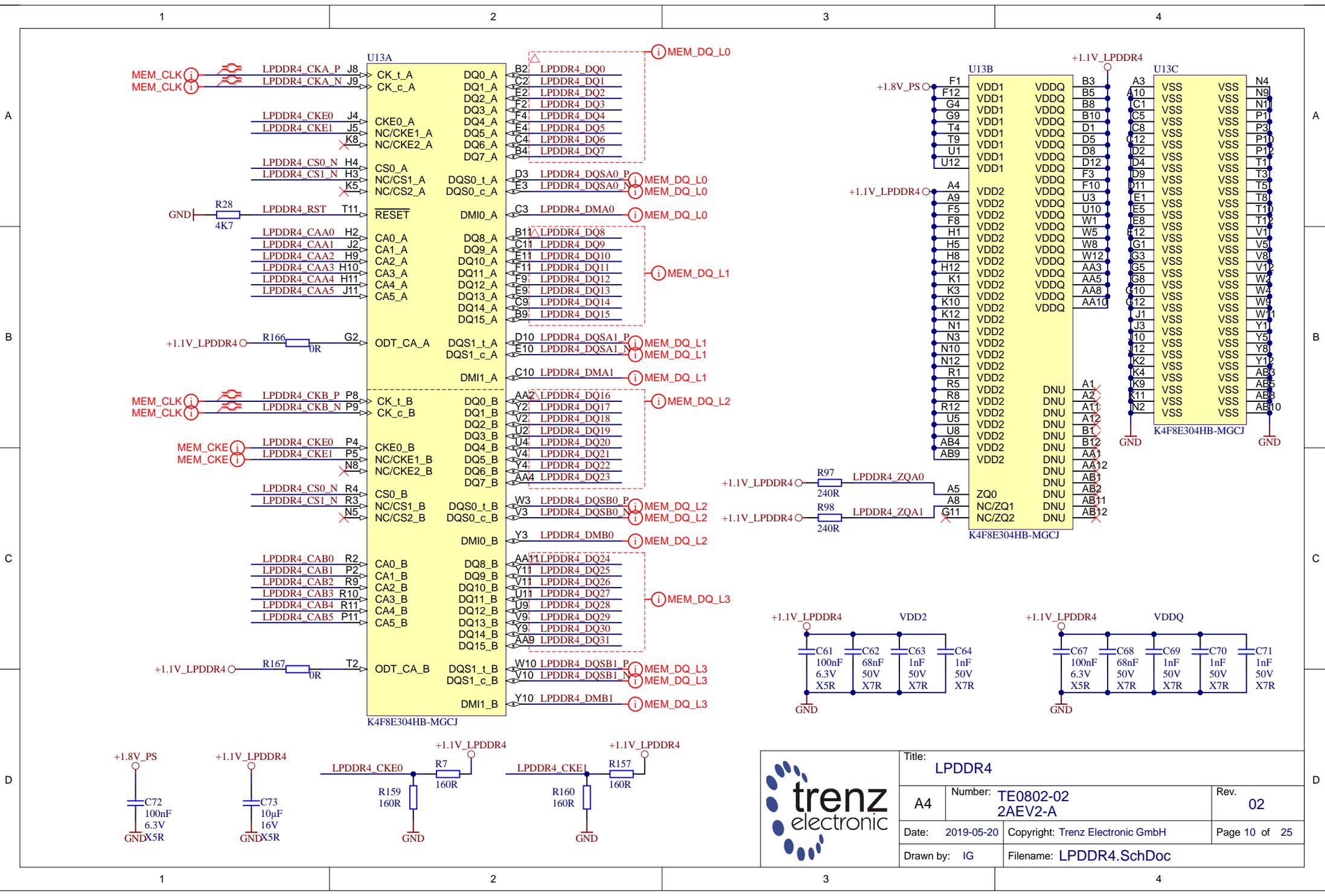
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	Date: 2019-05-20	Copyright: Trenz Electronic GmbH	Page 7 of 25
	Drawn by: IG	Filename: XCZU2CG_Memory.SchDoc	



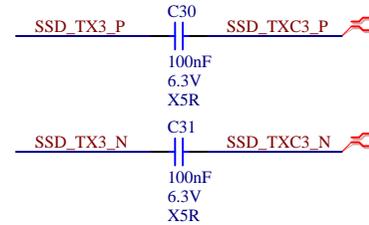
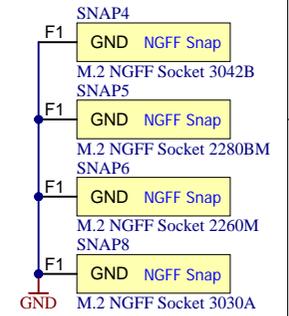
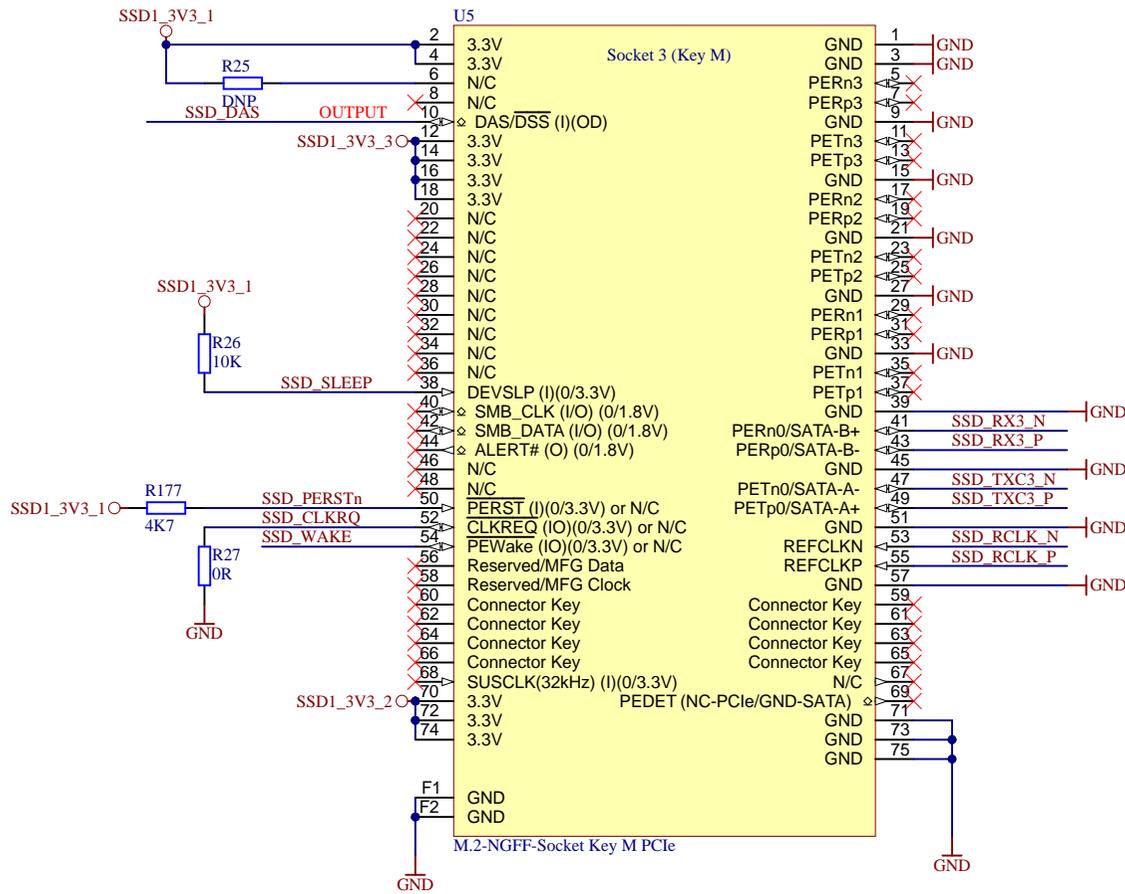
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	Drawn by: IG	Filename: XZU2CG_MGT.SchDoc	




Title: XCZU2CG_Power		
A4	Number: TE0802-02 2AEV2-A	Rev. 02
Date: 2019-05-20	Copyright: Trenz Electronic GmbH	Page 9 of 25
Drawn by: IG	Filename: XCZU2CG_Power.SchDoc	

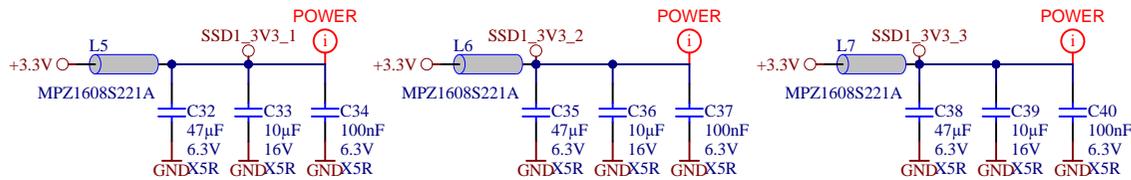


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			A4	Number: TE0802-02 2AEV2-A
Date: 2019-05-20		Copyright: Trenz Electronic GmbH		Rev. 02
Drawn by: IG		Page 10 of 25		
		Filename: LPDDR4.SchDoc		



MECH1

 M.2 NGFF SMD-Abstandsbolzen - M3 - 1.5mm





Title: SSD		
A4	Number: TE0802-02 2AEV2-A	Rev. 02
Date: 2019-05-20	Copyright: Trenz Electronic GmbH	Page 12 of 25
Drawn by: IG	Filename: SSD.SchDoc	

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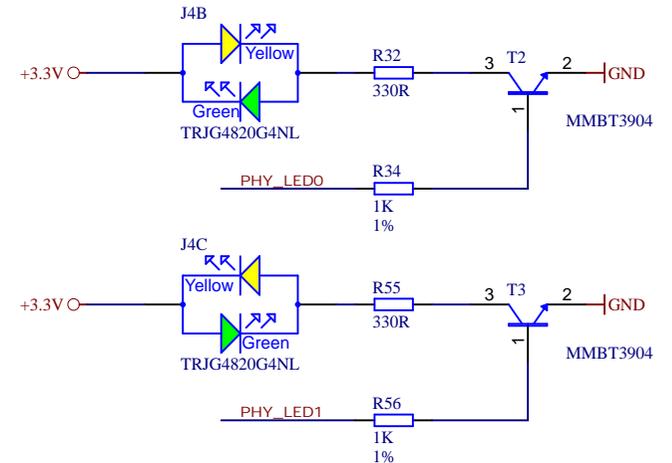
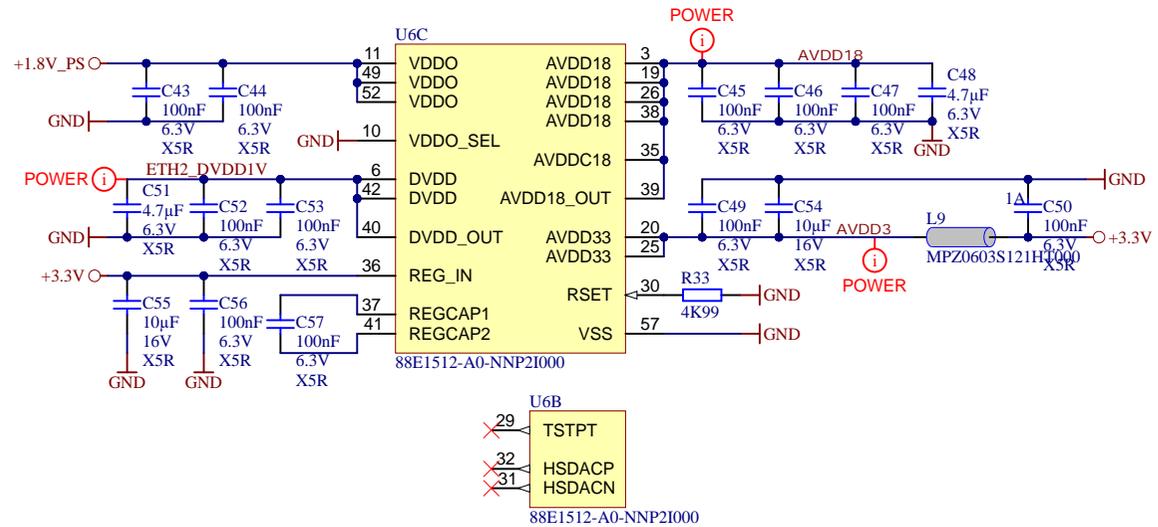
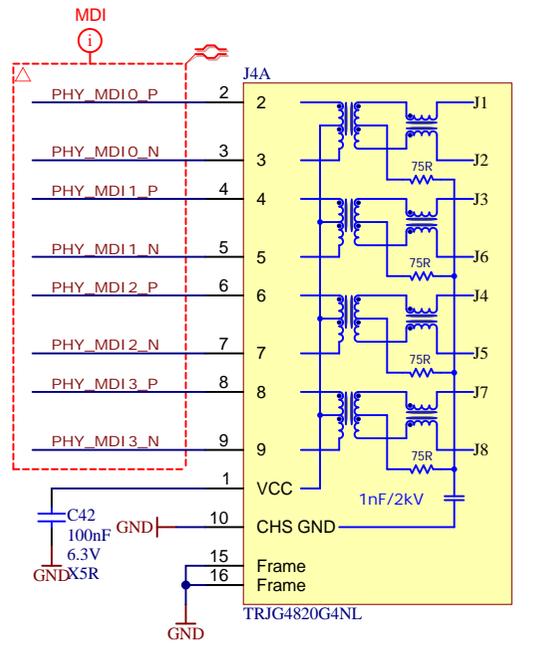
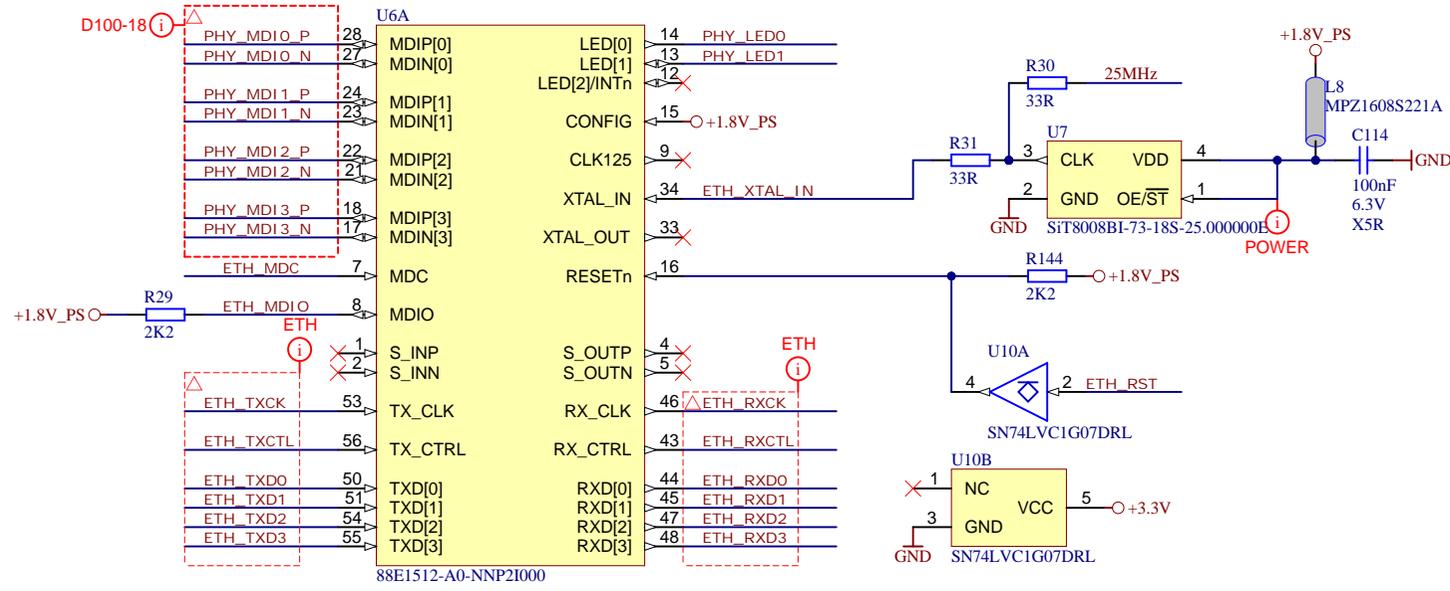
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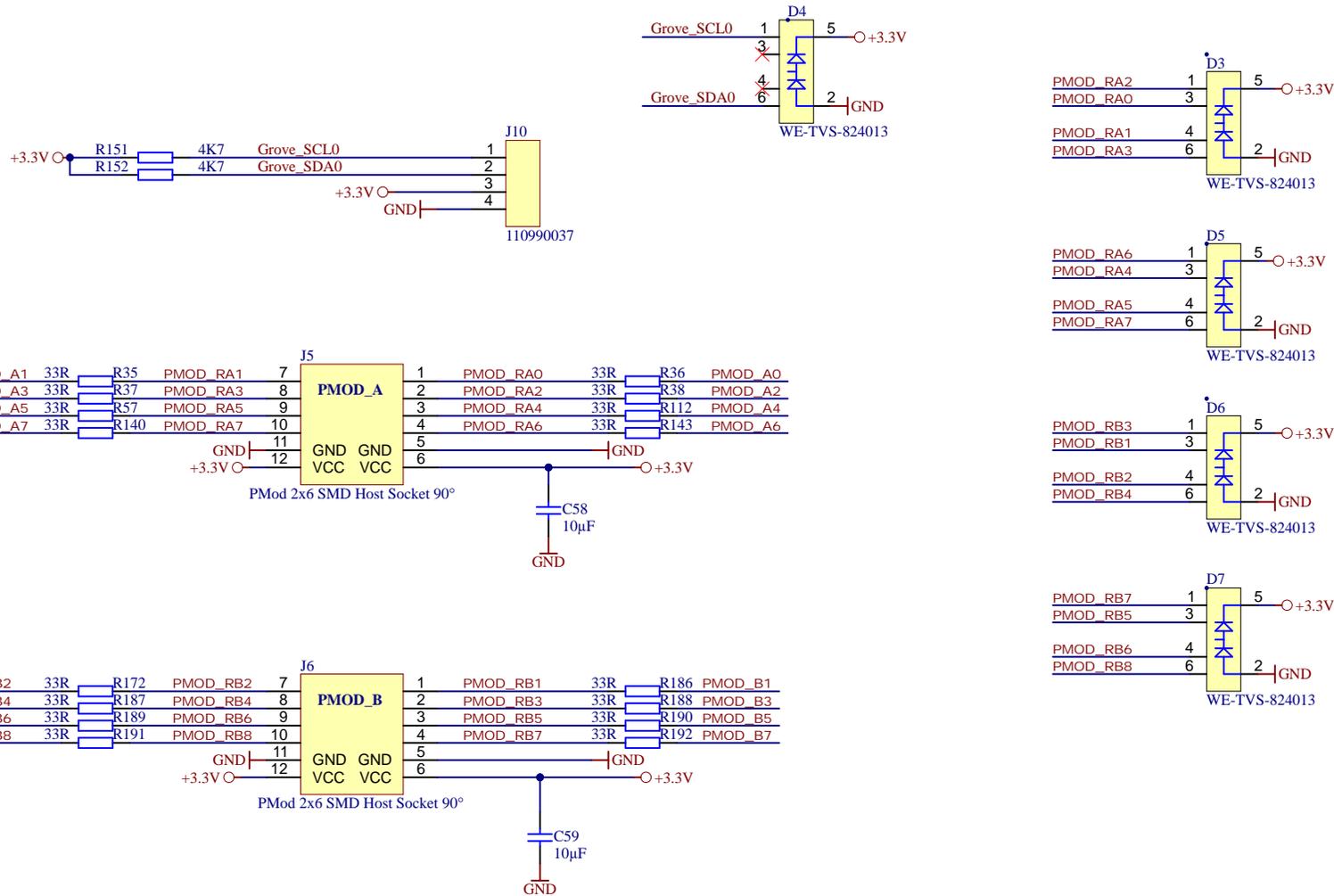
B

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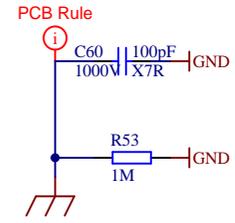
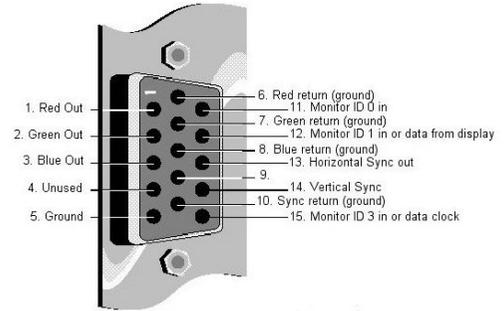
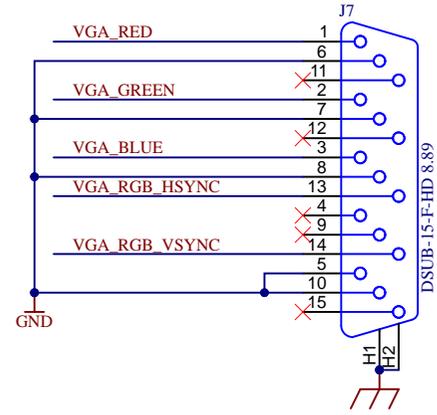
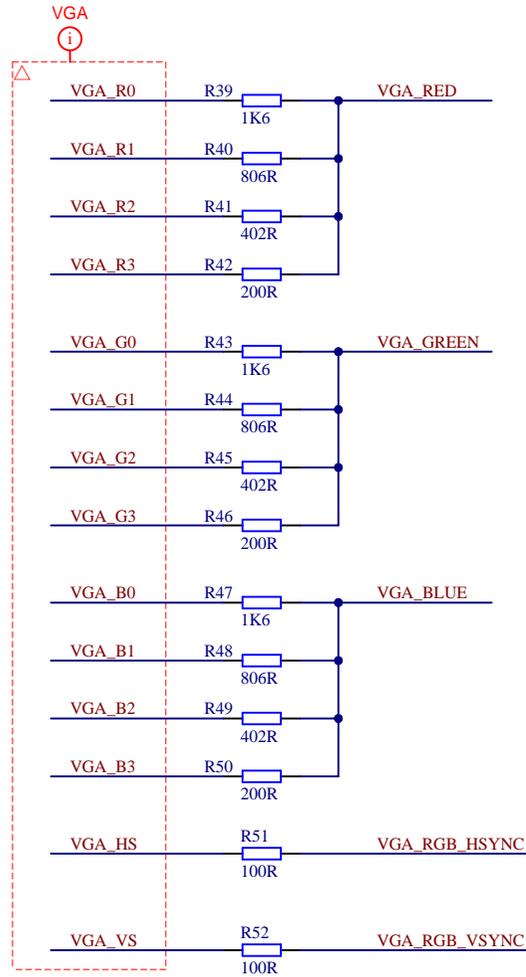
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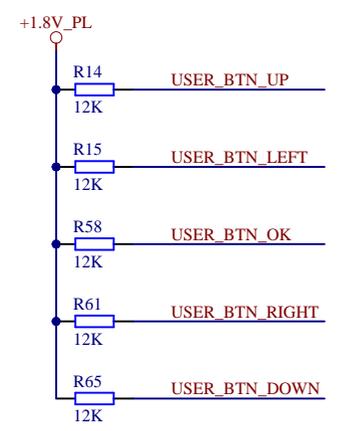
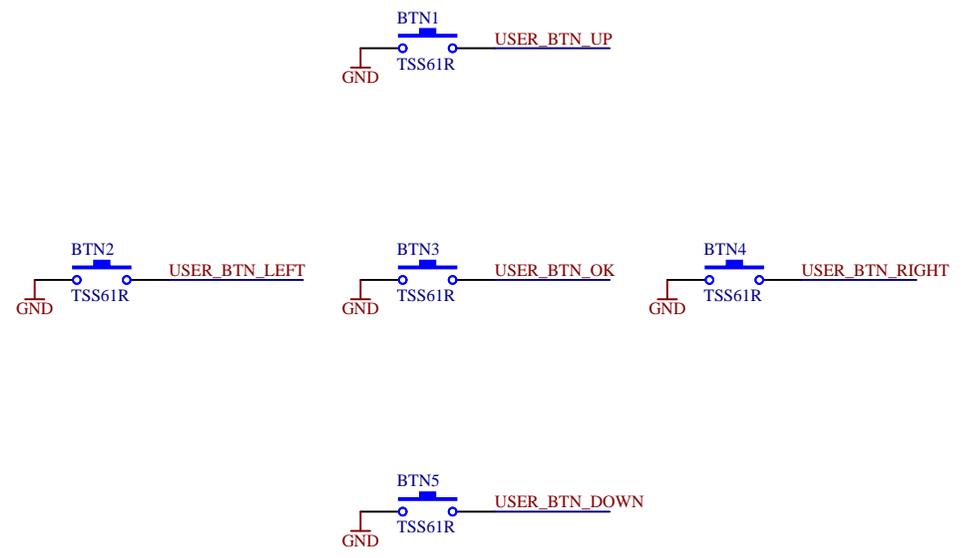
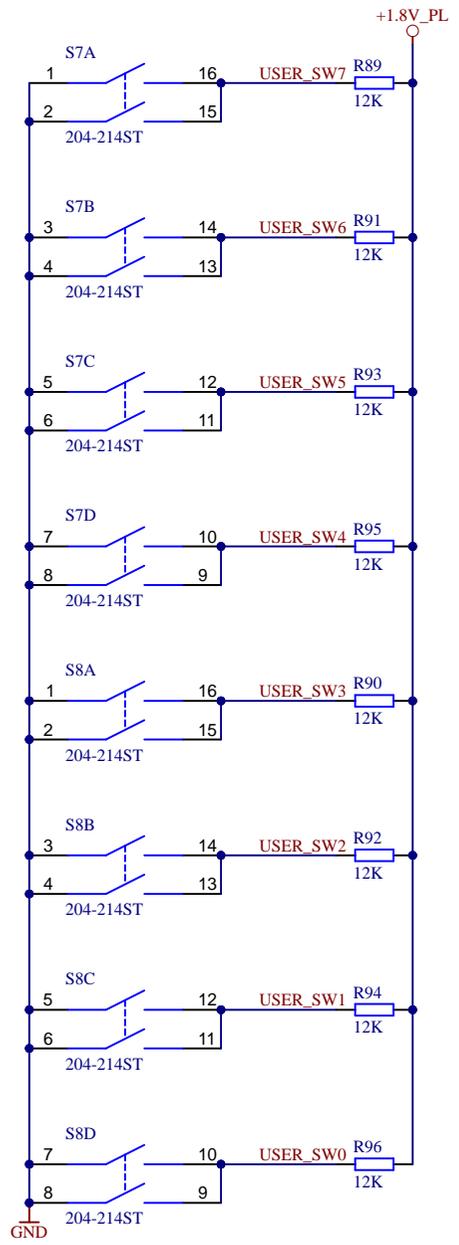
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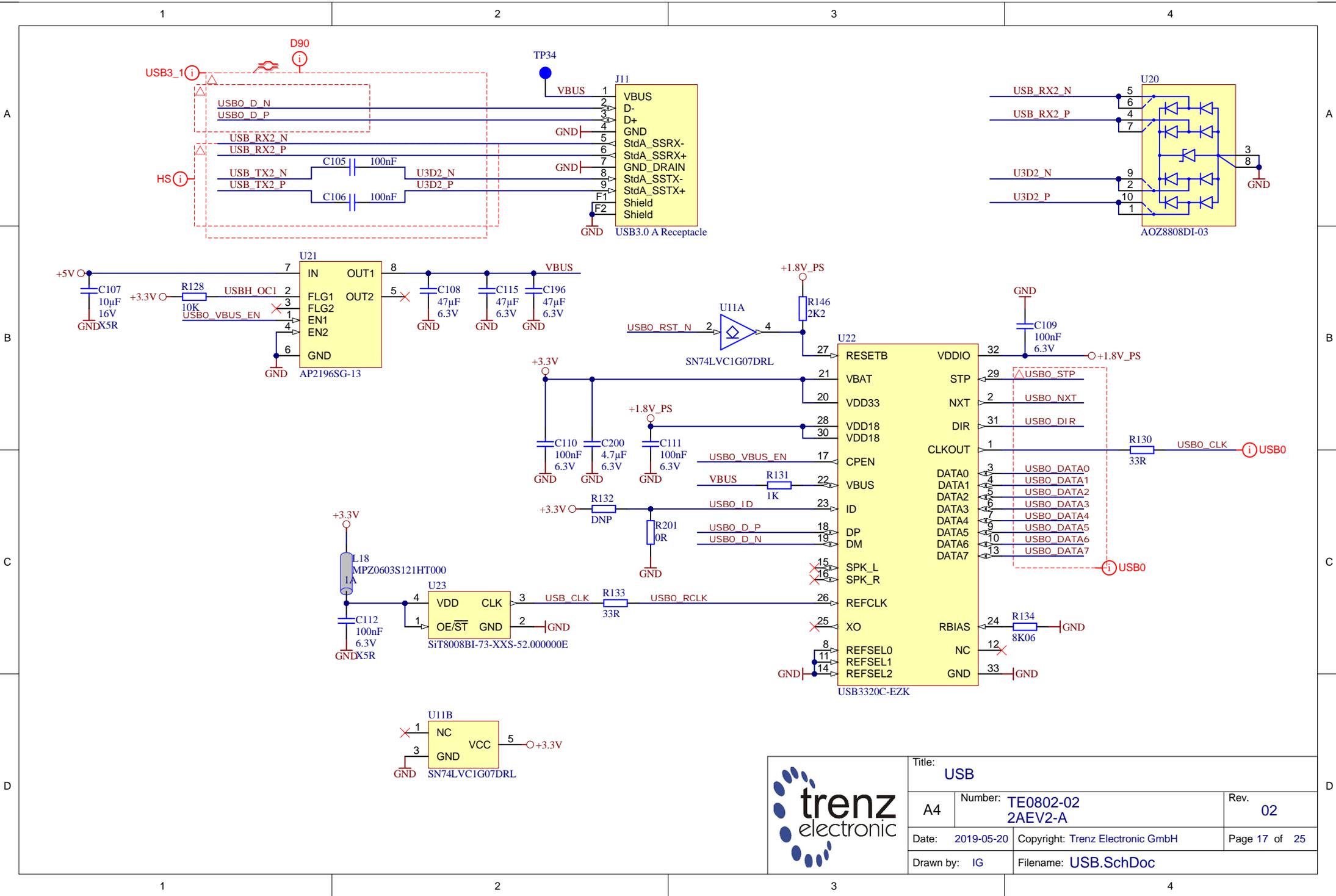
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Date: 2019-05-20		Copyright: Trenz Electronic GmbH		Page 14 of 25
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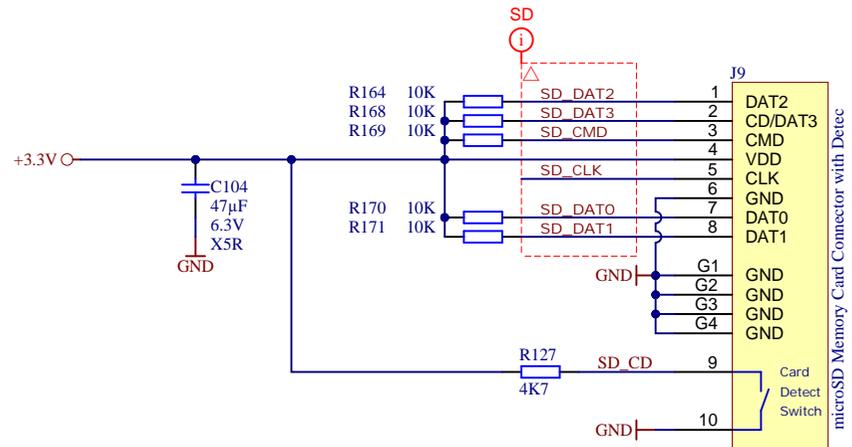
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Drawn by: IG	Filename: VGA_OUT.SchDoc	



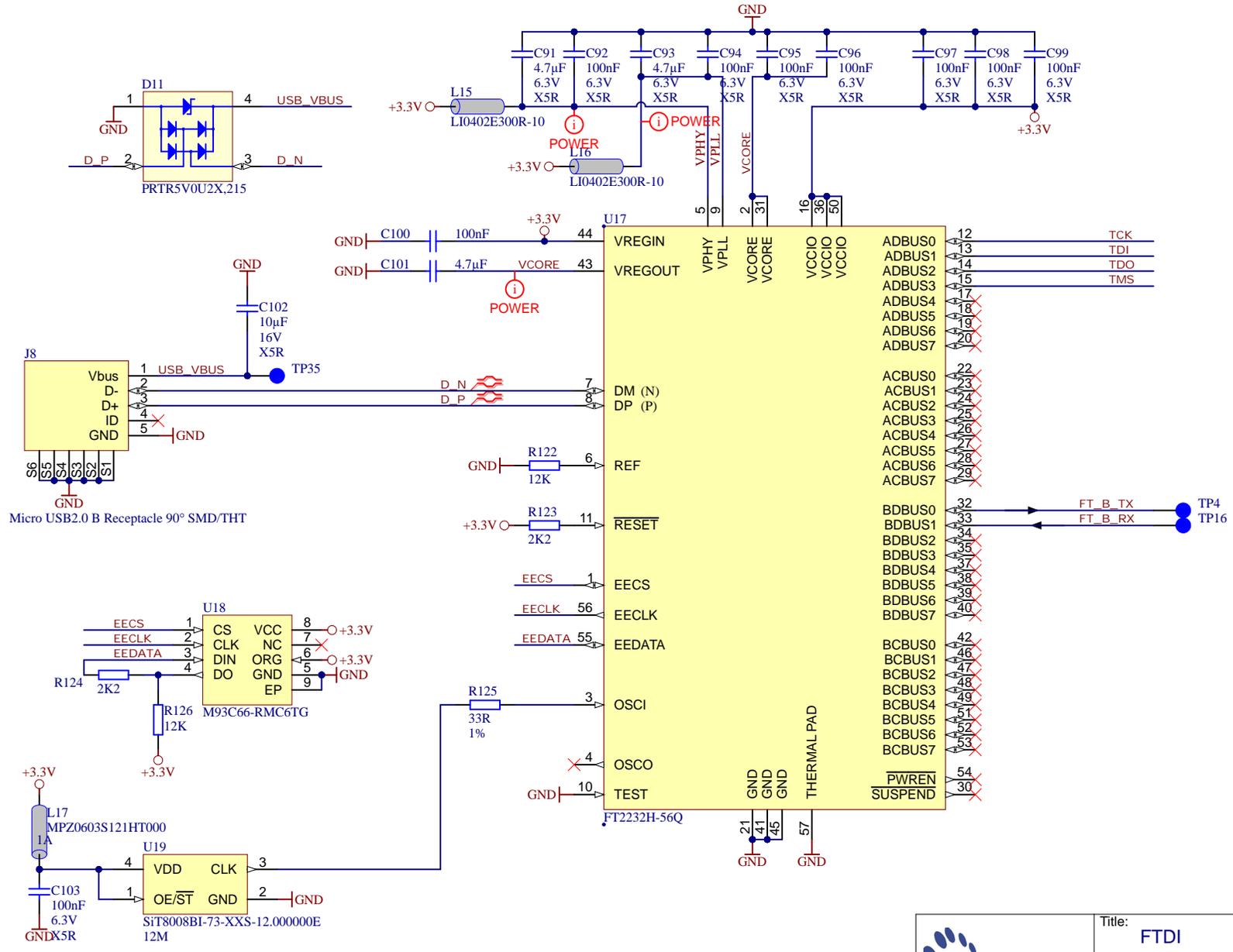
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Date: 2019-05-20		Copyright: Trenz Electronic GmbH		Page 16 of 25
Drawn by: IG		Filename: Switches_Buttons.SchDoc		



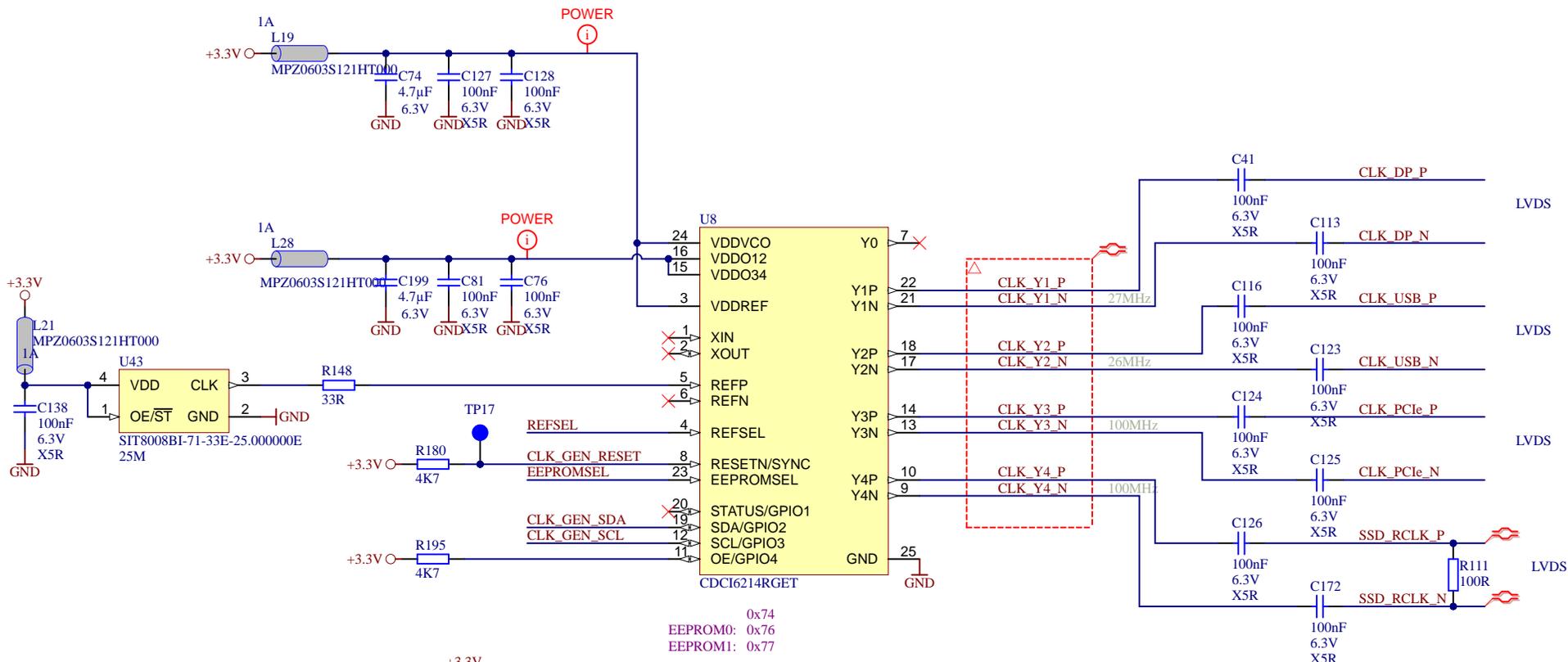
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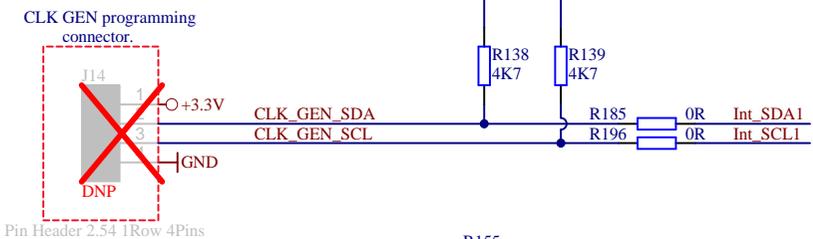
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	Drawn by: IG	Filename: SD.SchDoc	



Title: FTDI		
A4	Number: TE0802-02 2AEV2-A	Rev. 02
Date: 2019-05-20	Copyright: Trenz Electronic GmbH	
Page 19 of 25	Page 19 of 25	
Drawn by: IG	Filename: FTDI.SchDoc	



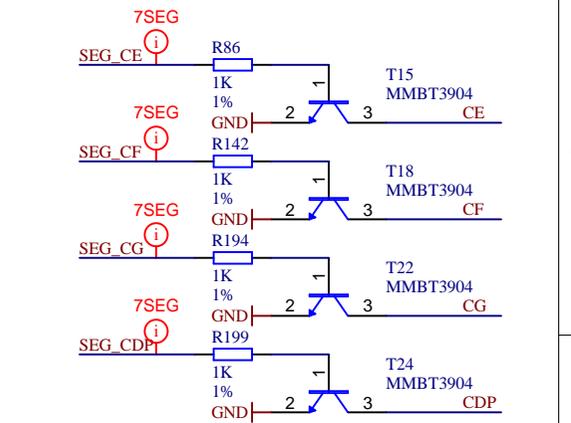
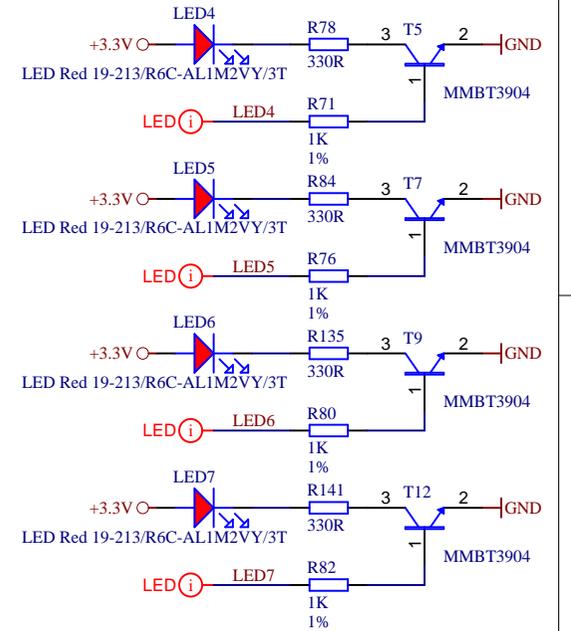
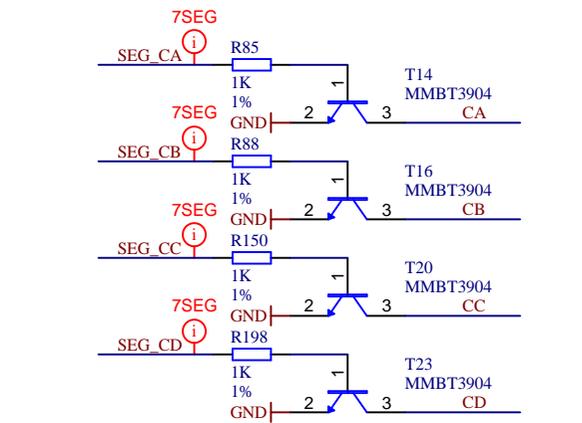
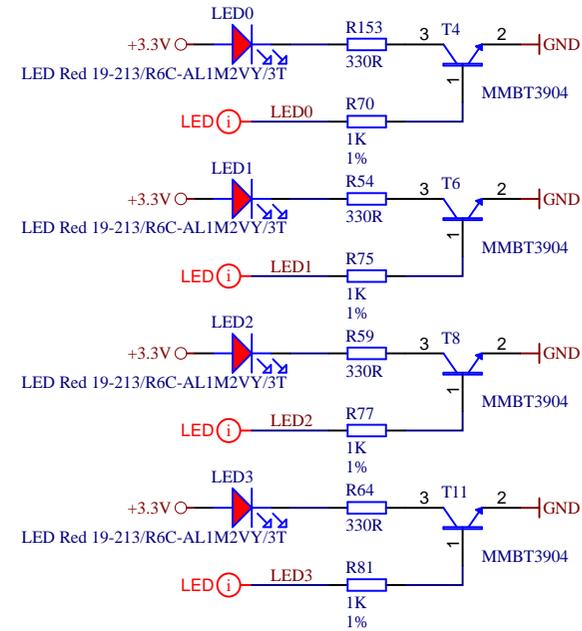
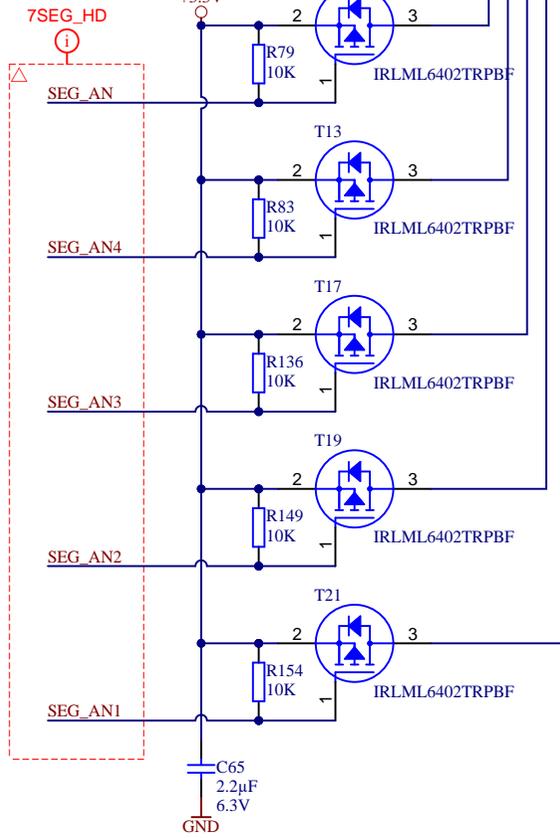
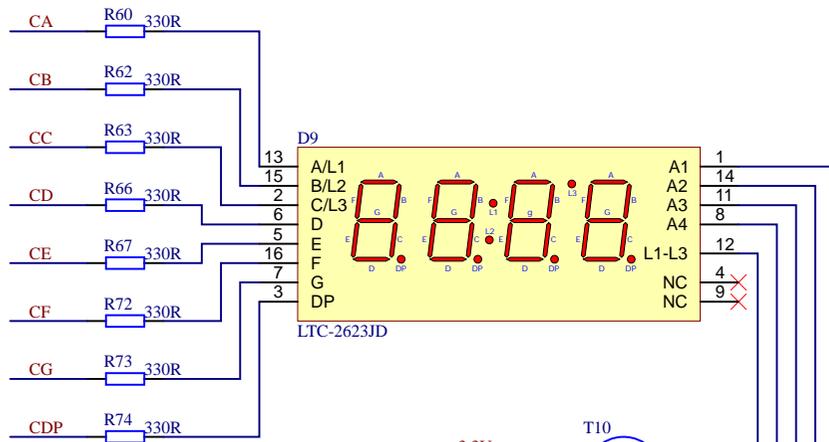
0x74
EEPROM0: 0x76
EEPROM1: 0x77



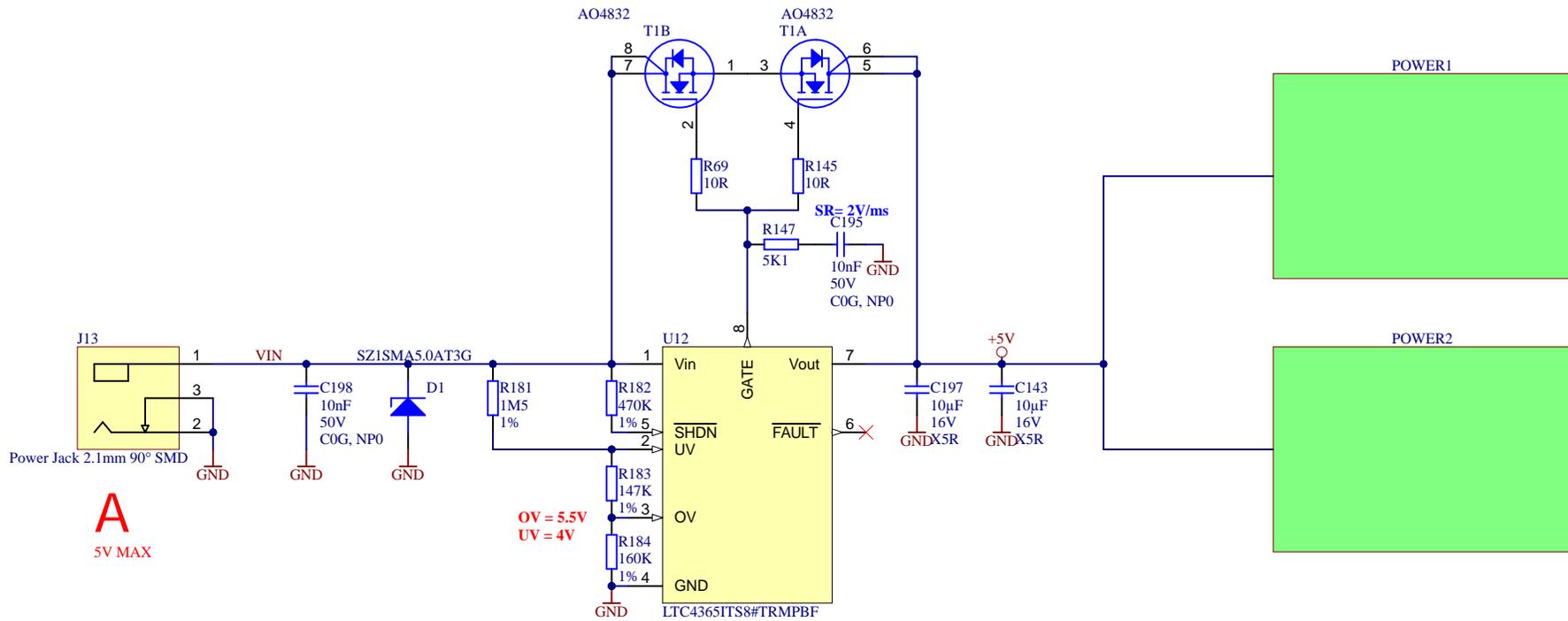
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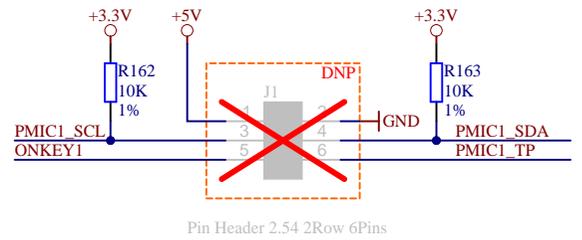
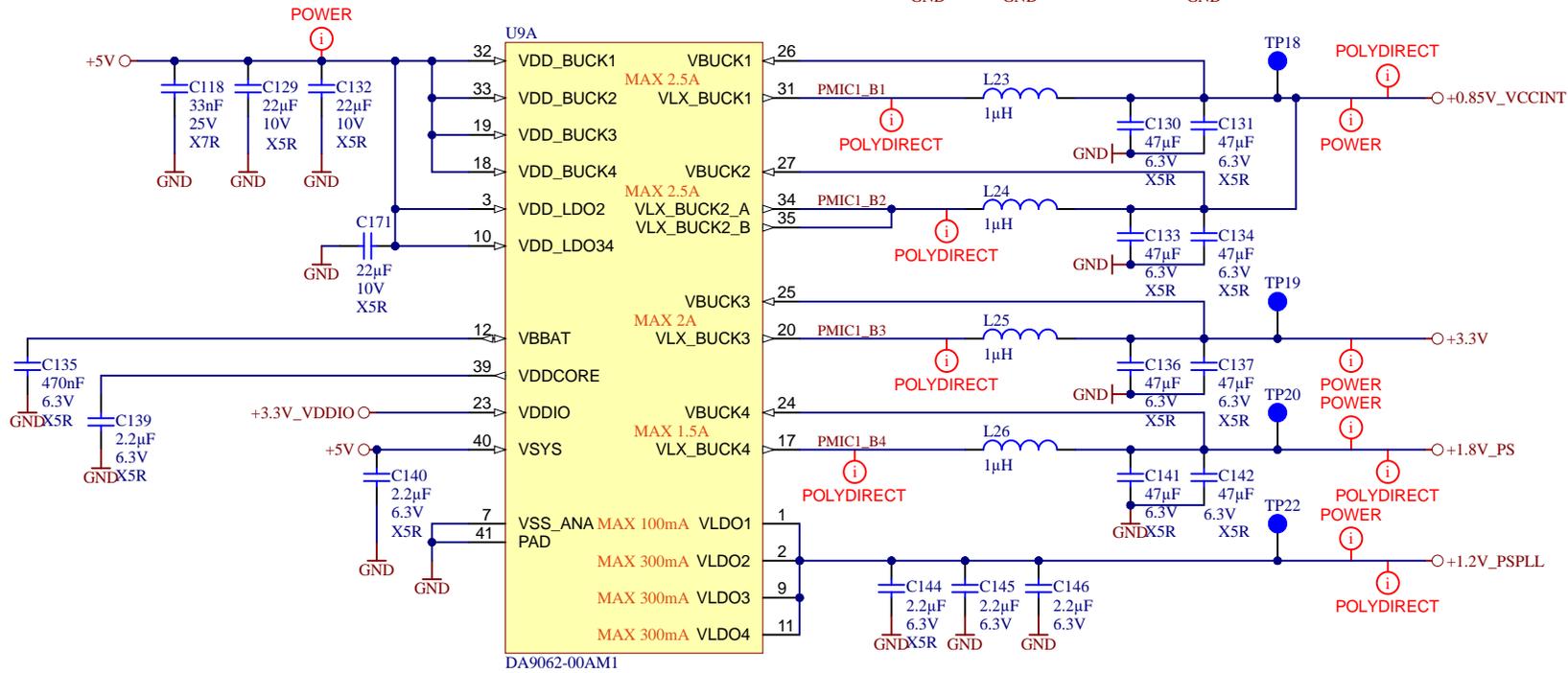
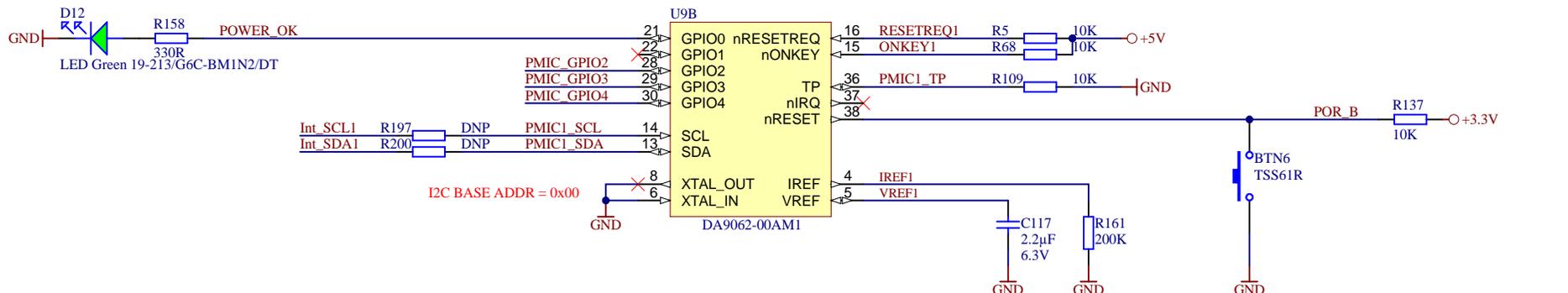
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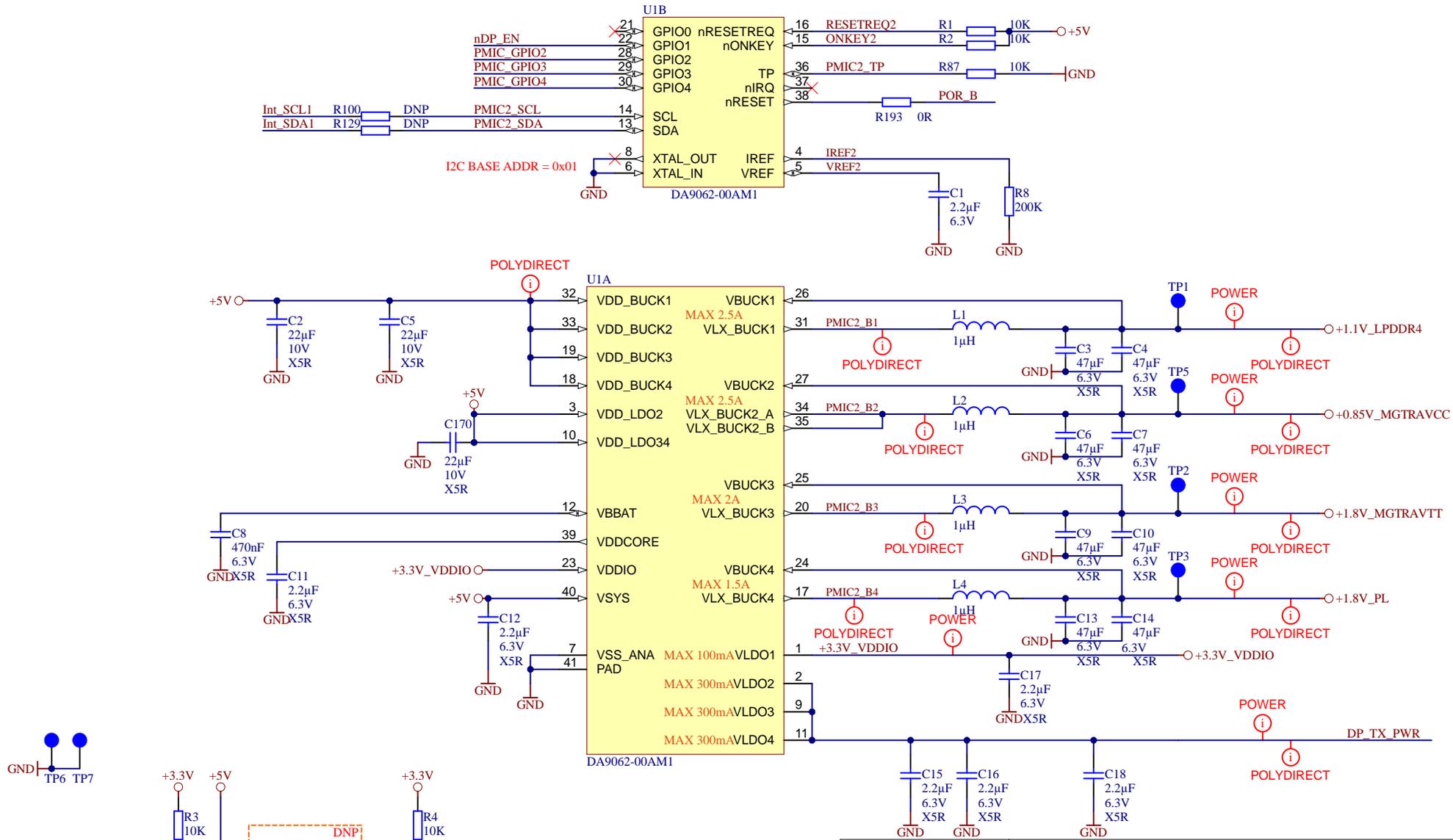
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Date: 2019-05-20	Copyright: Trenz Electronic GmbH	Page 21 of 25
Drawn by: IG	Filename: LEDs.SchDoc	



	Title: POWER		
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	Date: 2019-05-20	Copyright: Trenz Electronic GmbH / TT	Page 22 of 25
	Drawn by: IG	Filename: POWER.SchDoc	



Title: POWER1		
A4	Number: TE0802-02 2AEV2-A	Rev. 02
Date: 2019-05-20	Copyright: Trenz Electronic GmbH / TT	Page 23 of 25
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			Title: POWER2	
			A4	Number: TE0802-02 2AEV2-A
Date: 2019-05-20		Copyright: Trenz Electronic GmbH / TT		Page 24 of 25
Drawn by: IG		Filename: POWER2.SchDoc		

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REV.00

PCB hasn't been assembled;

REV.01

- 1. LED display has been moved from BANK 26 on BANK 65.
- 2. Added overvoltage protection on "Power" sheet;
- 3. Headphones moved on BANK 65;
- 4. Added buffers with OD output on USB0_RST and ETH_RST;
- 5. BOM has been corrected;

REV.02

- 1. Added suppressor 1SMA5.0AT3G on Power input;
- 2. Changed OV and UV protection range;
- 3. Changed VGA schematic;
- 4. USB page: VBUS resistor changed on 1K;
- 5. The revision has been renamed as TE0802-02-2AEV2-A
- 6. Added Digilent SN MISC1.
- 7. Resistors R185 and R196 changed on 0 Ohms.
- 8. Resistor R23 changed on DNP.
- 9. S/N1 is removed.
- 10. LPDDR4 is changed
2021-10-14.
- 11. Changed microUSB connector. 105017-0001 -> 10118194-0001LF.
- 12. Changed MEMS Oscillator SiT8008A1-73-XXS-12.000000E -> SiT8008B1-73-XXS-12.000000E
- 13. Changed MEMS Oscillator SiT8008A1-73-XXS-52.000000E -> SiT8008B1-73-XXS-52.000000E
- 14. Changed Ferrits BKP0603HS121-T to MPZ0603S121HT000

A

A

B

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		Title: Revision_Changes	
		A4	Number: TE0802-02 2AEV2-A
Date: 2019-05-20		Copyright: Trenz Electronic GmbH	
Page 25 of 25		Filename: Revision_Changes.SchDoc	
Drawn by: IG			

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