

1

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4

LOGO1

TE Logo PRINT Layer

LOGO PRINT

POWER

SC1

SC2

A

B

C

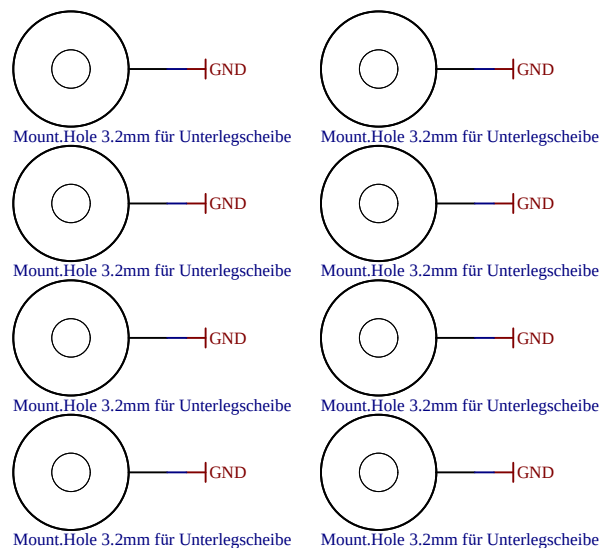
D

A

B

C

D



PM1

PM2

PM3

FIDU-DOT - mini
PM4FIDU-DOT - mini
PM5FIDU-DOT - mini
PM6

FIDU-DOT - mini

FIDU-DOT - mini

FIDU-DOT - mini

Serial1

Serial

Serialnumber 6,3 x 6.3mm

XCZU

PS

ETH-PHY

eMMC

USBPHY

DDR4-PS

PL

MISC

B2B_Connectors

DDR4-PL

Special notes:



Title:

TE0865 Main

A4

Number: 1

DGE43MA

Rev.

01

Date: 16.06.2021

Copyright: Trenz Electronic GmbH

Page 1 of 51

Filename: TE0865.schdoc

1

2

3

4

1

2

3

4

A

A

XCZU_Config



XCZU_88_89_90_91_93_94_HD



XCZU_500_501_502_MIO



XCZU_POWER



XCZU_64_65_HP



XCZU_128_129_130_131_MGT



XCZU_504_PSDDR



XCZU_GND



B

B

XCZU_66_67_HP



XCZU_224_225_226_227_MGT



XCZU_505_MGT



C

C

XCZU_68_69_HP



XCZU_228_229_230_231_MGT



XCZU_70_71_HP



D

D

1

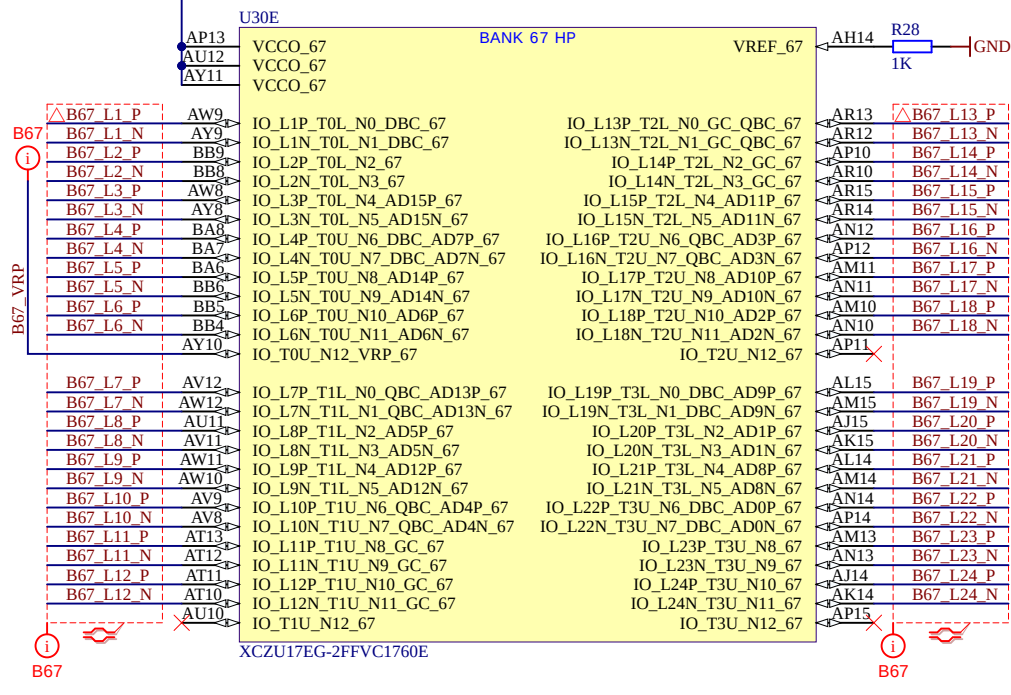
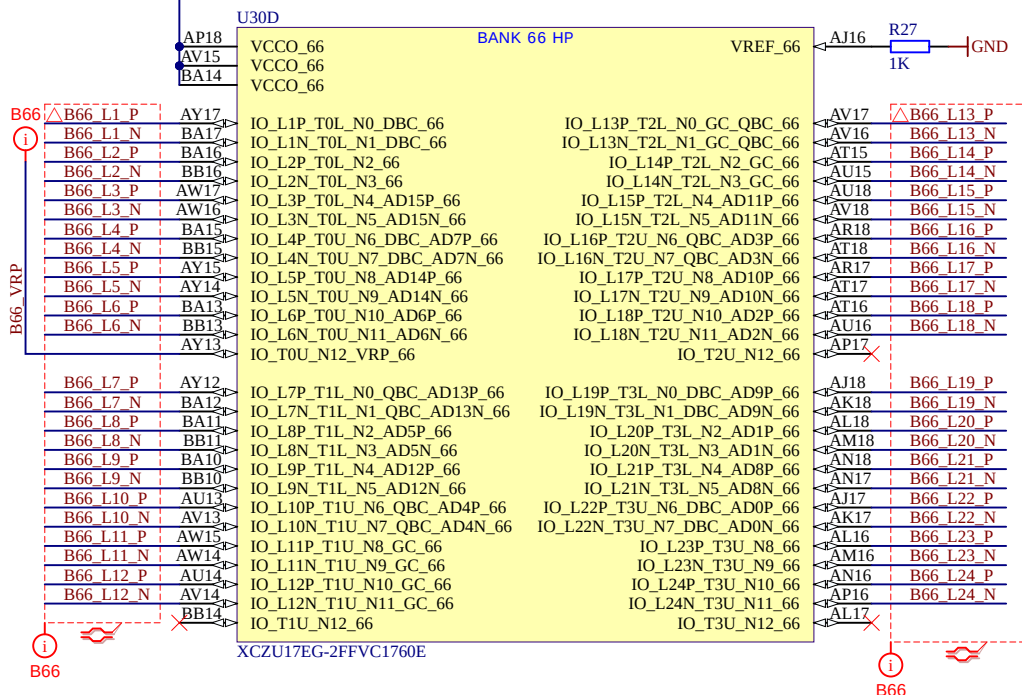
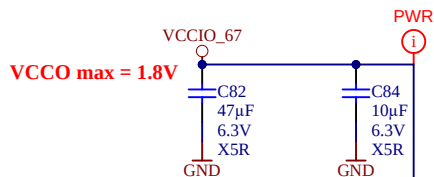
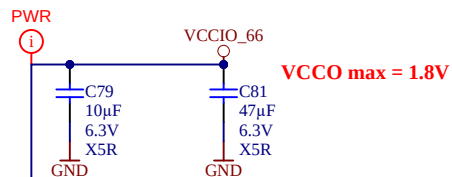
2

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4



Title: TE0865 – XCZU		
A4	Number: 2 DGE43MA	Rev. 01
Date: 23.04.2021	Copyright: Trenz Electronic GmbH	
Page 2 of 51		
Filename: XCZU.schdoc		



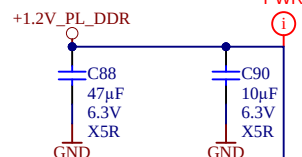
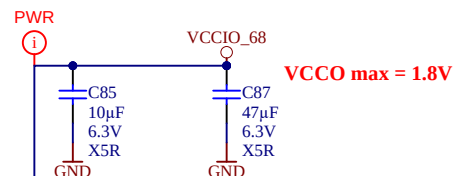
Title: TE0865 – XCZU_66_67_HP		
A4	Number: 4 DGE43MA	Rev. 01
Date: 23.04.2021	Copyright: Trenz Electronic GmbH	Page 4 of 51
Filename: XCZU_66_67_HP.schdoc		

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A

A

B

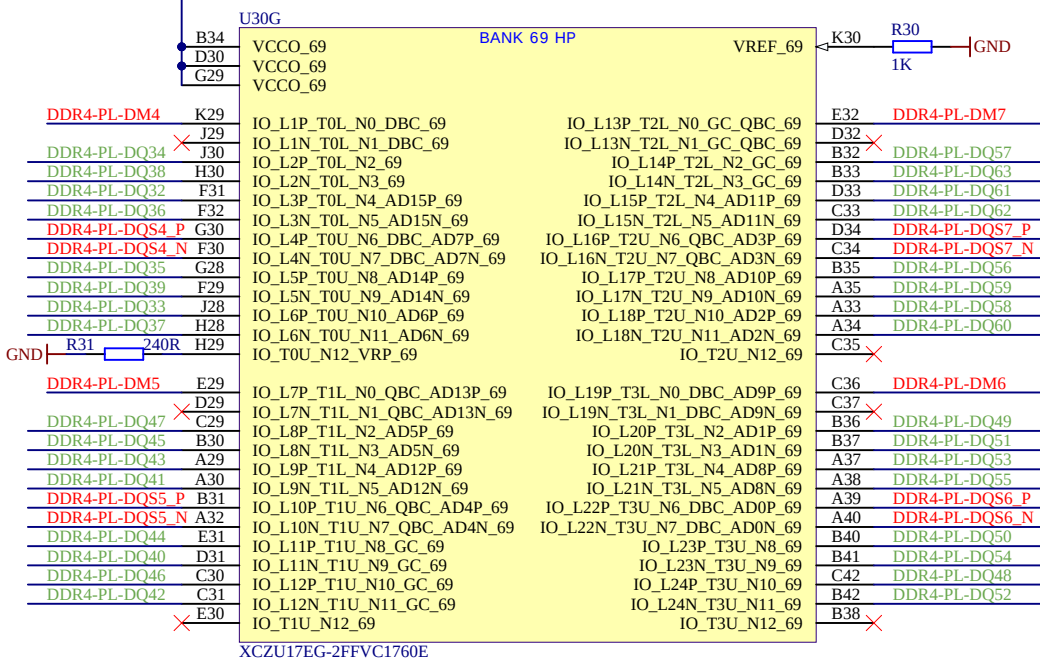
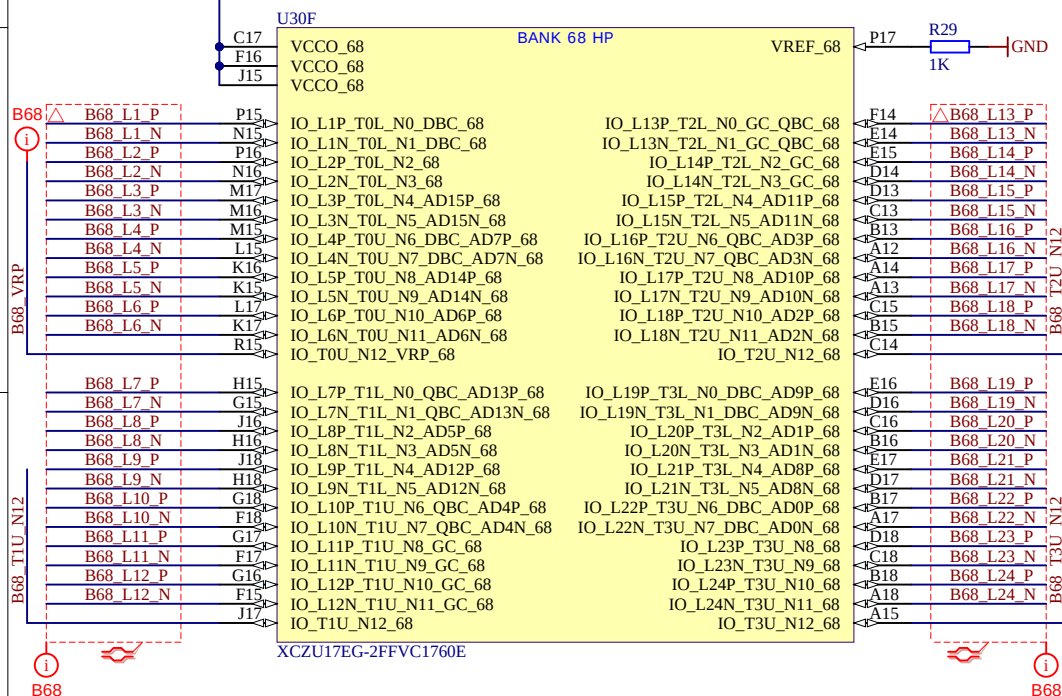
B

C

C

D

D



Title: TE0865 – XCZU_68_69_HP			
A4	Number: 5 DGE43MA		Rev. 01
Date: 23.04.2021	Copyright: Trenz Electronic GmbH		Page 5 of 51
Filename: XCZU_68_69_HP.schdoc			

1

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4

A

A

B

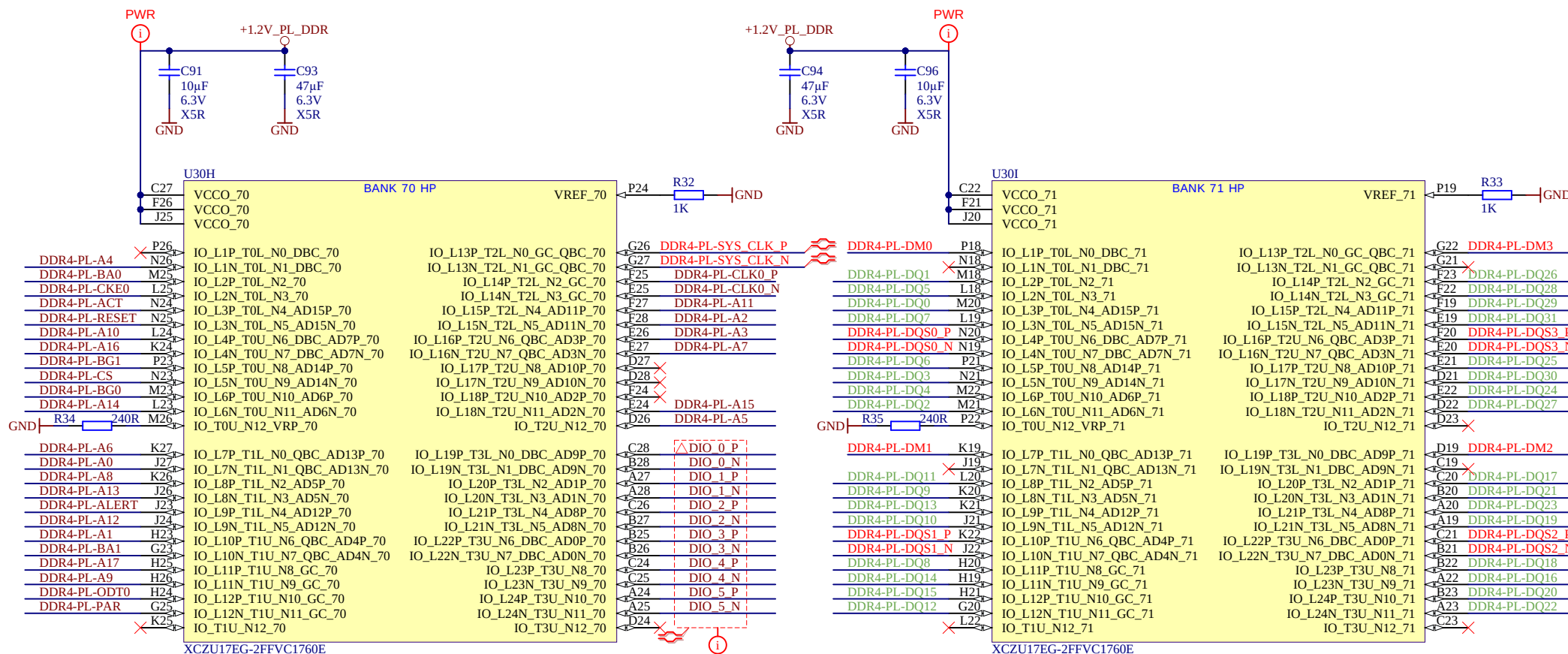
B

C

C

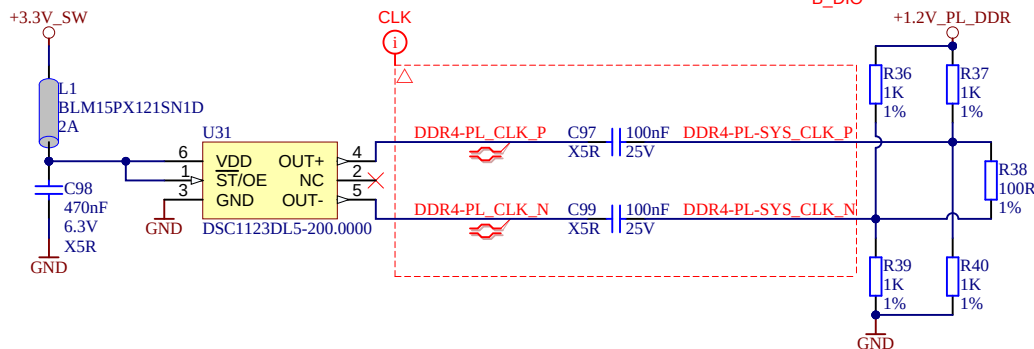
D

D



XCZU17EG-2FFVC1760E

XCZU17EG-2FFVC1760E



Title: TE0865 – XCZU_70_71_HP		
A4	Number: 6 DGE43MA	Rev. 01
Date: 23.04.2021	Copyright: Trenz Electronic GmbH	Page 6 of 51
Filename: XCZU_70_71_HP.schdoc		

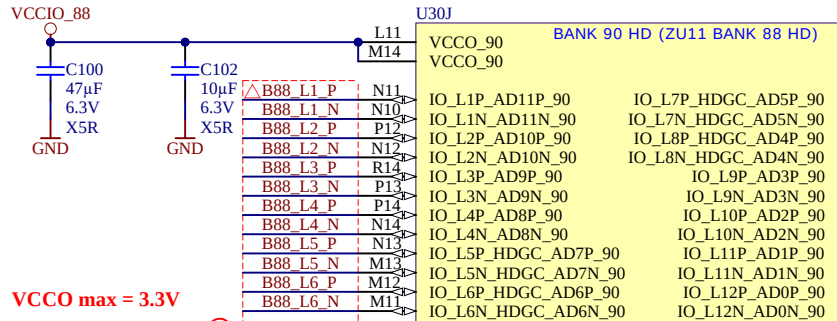
1

2

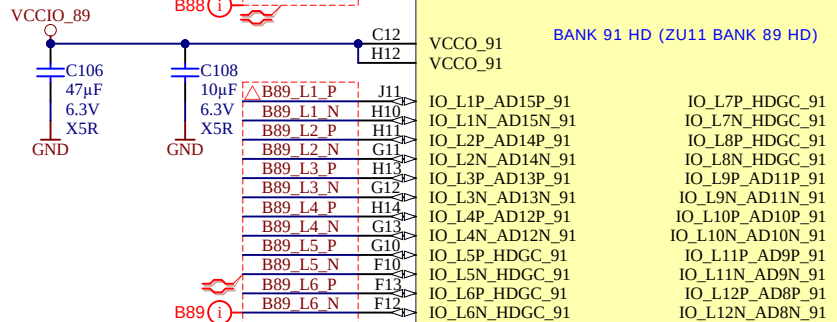
3

4

VCCIO max = 3.3V

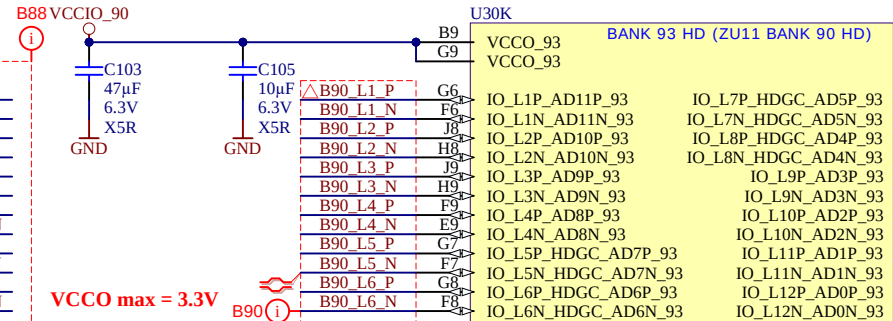


VCCIO max = 3.3V

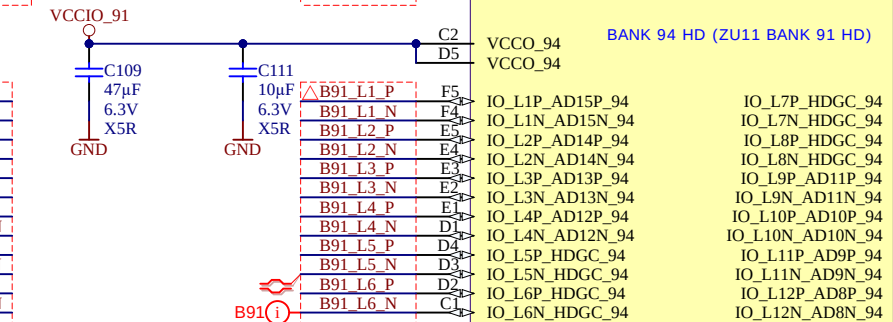


XCZU17EG-2FFVC1760E

VCCIO max = 3.3V



VCCIO max = 3.3V



XCZU17EG-2FFVC1760E

		Title: TE0865 – XCZU_88_89_90_91_93_94_HD	
		A4	Number: 7 DGE43MA
		Date: 23.04.2021	Page 7 of 51
		Copyright: Trenz Electronic GmbH	Rev. 01
Filename: XCZU_88_89_90_91_93_94_HD.schdoc			

1

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A

A

B

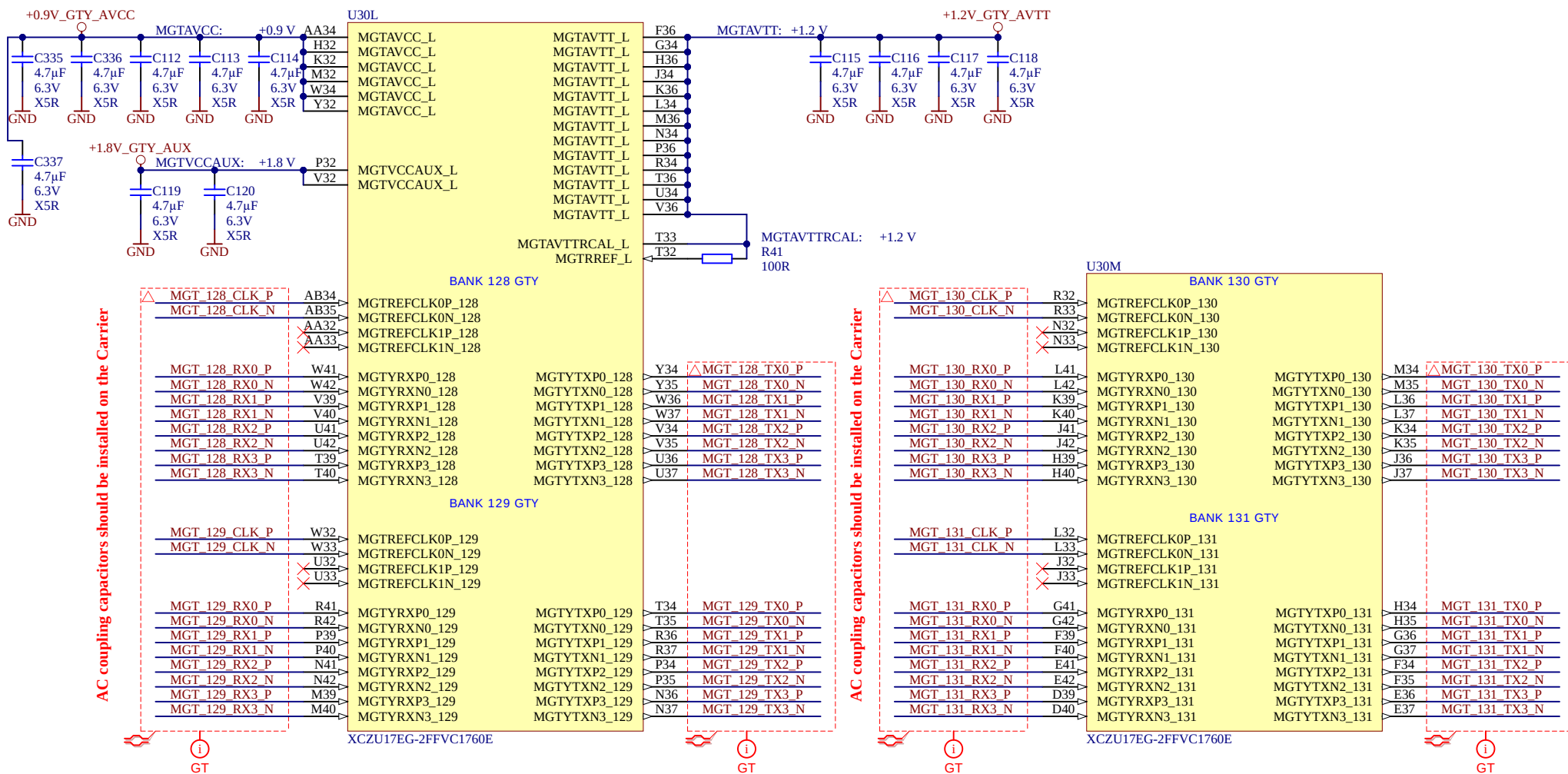
B

C

C

D

D



Title: TE0865 – XCZU_128_129_130_131_MGT		
A4	Number: 8 DGE43MA	Rev. 01
Date: 23.04.2021	Copyright: Trenz Electronic GmbH	Page 8 of 51
Filename: XCZU_128_129_130_131_MGT.schdoc		

1

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A

A

B

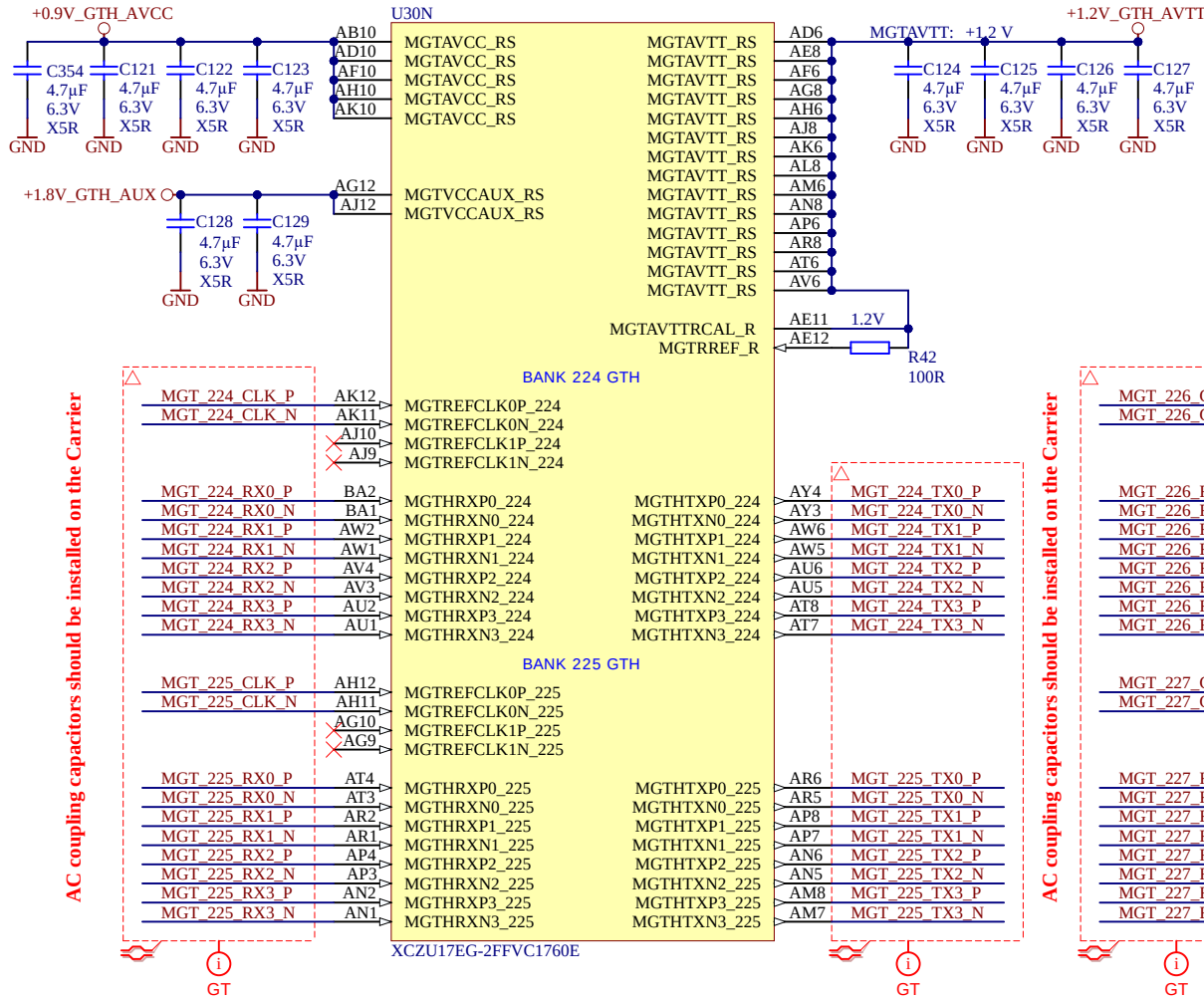
B

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D

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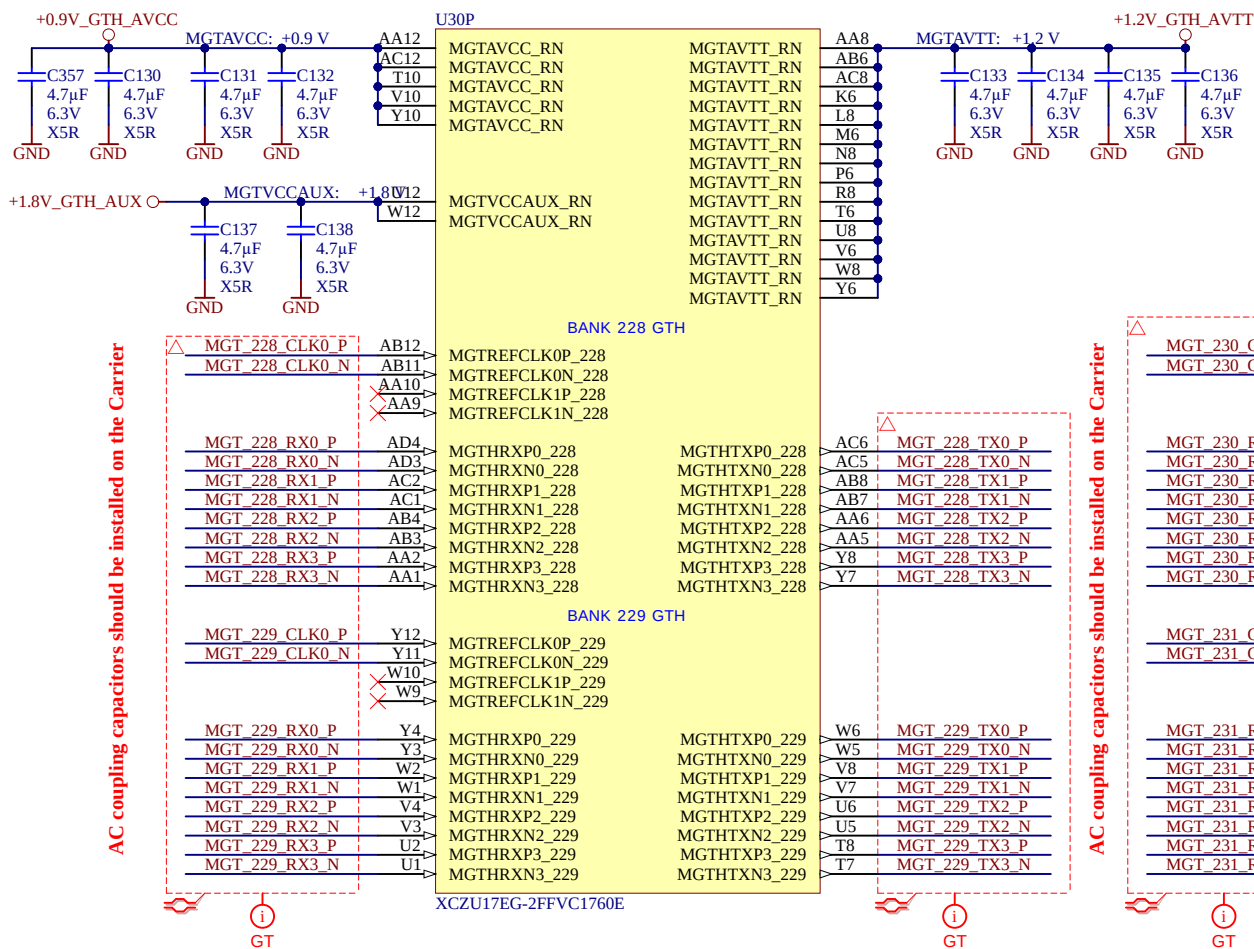
Title: TE0865 – XCZU_224_225_226_227_MGT		
A4	Number: 9 DGE43MA	Rev. 01
Date: 23.04.2021	Copyright: Trenz Electronic GmbH	Page 9 of 51
Filename: XCZU_224_225_226_227_MGT.schdoc		

1

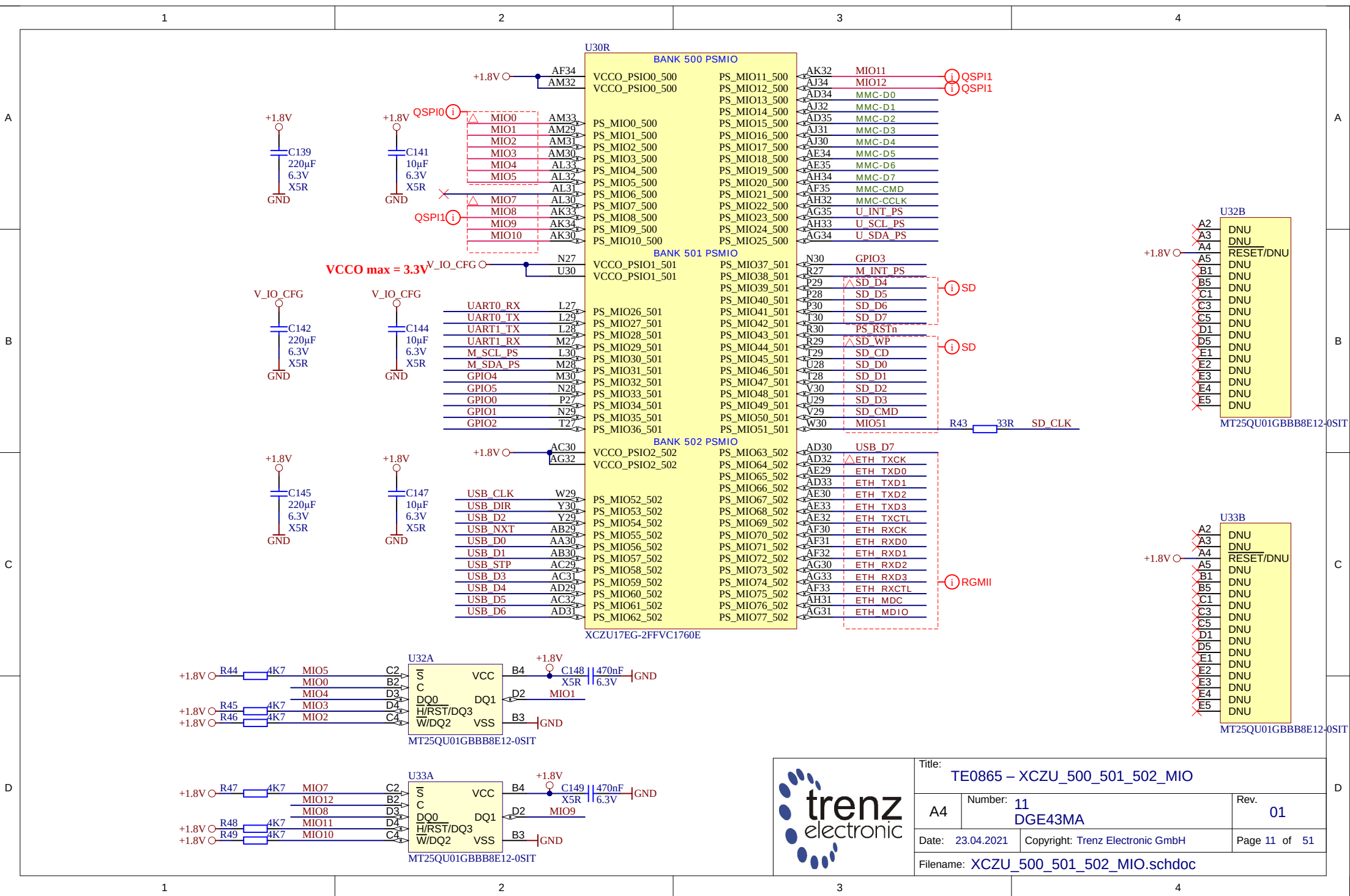
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Title: TE0865 – XCZU_228_229_230_231_MGT		
A4	Number: 10 DGE43MA	Rev. 01
Date: 23.04.2021	Copyright: Trenz Electronic GmbH	Page 10 of 51
Filename: XCZU_228_229_230_231_MGT.schdoc		



A

B

C

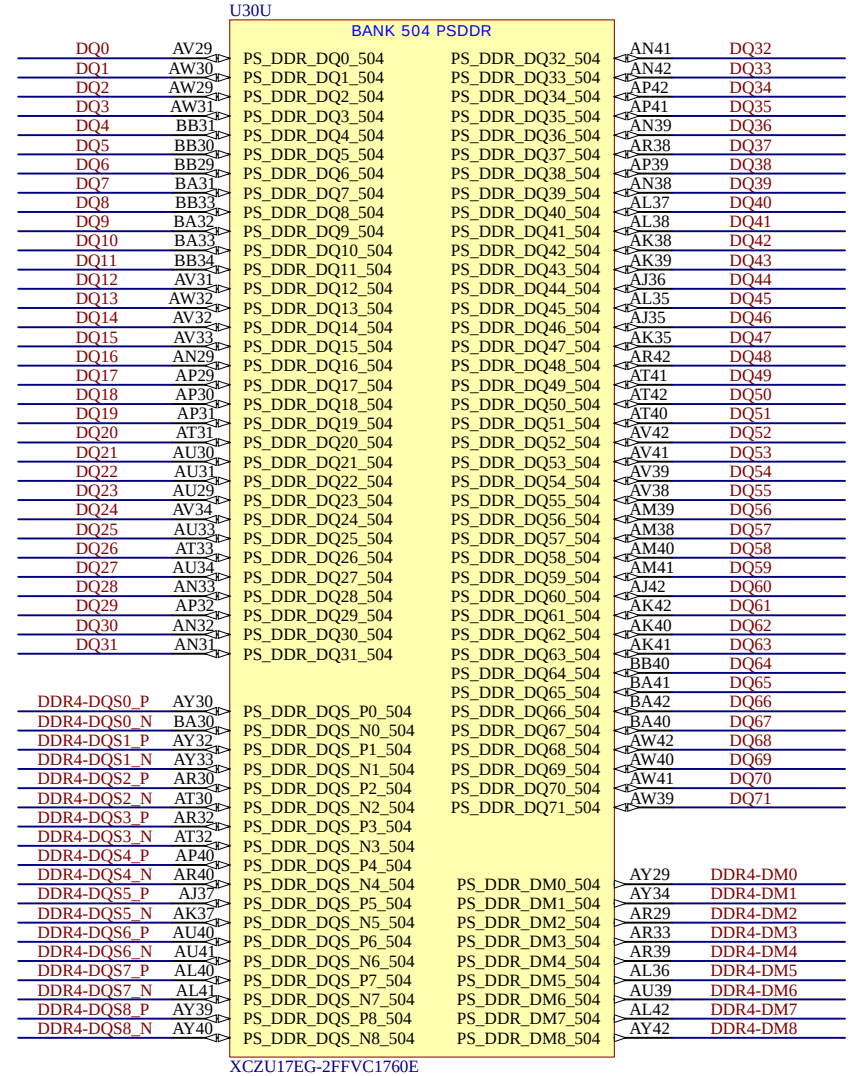
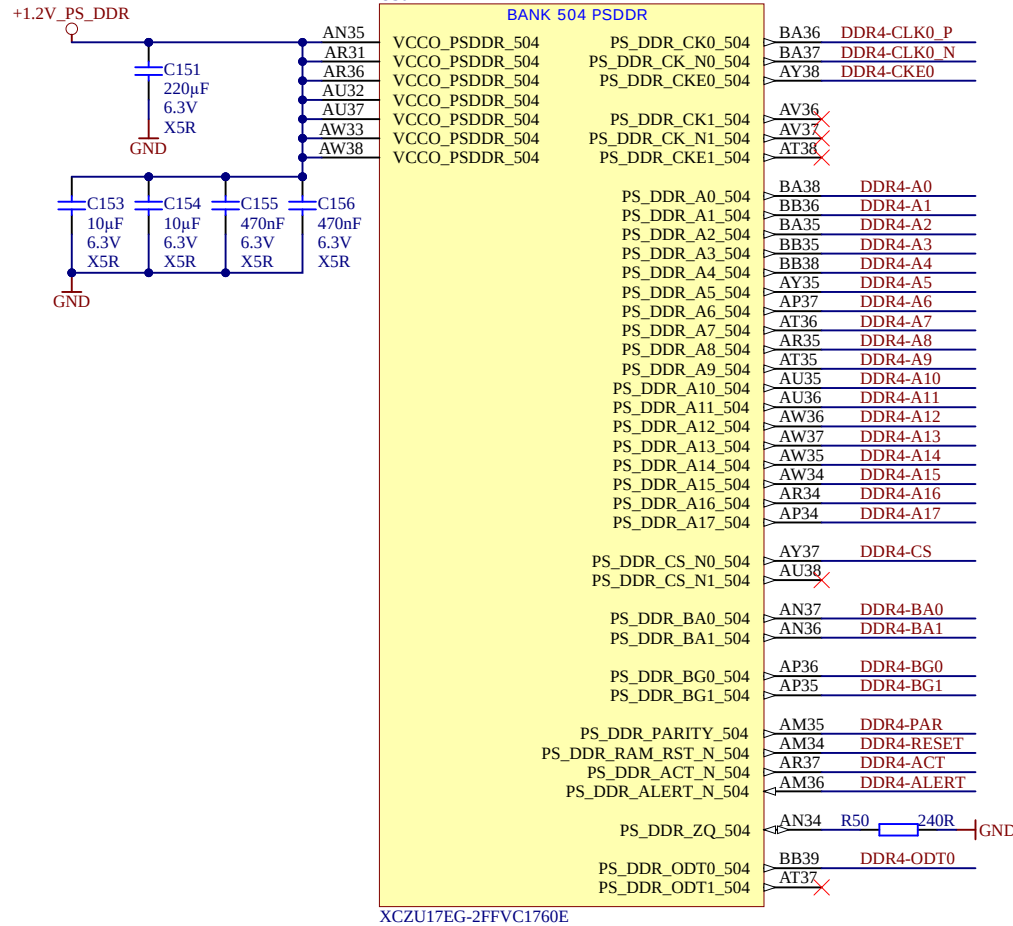
D

A

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D



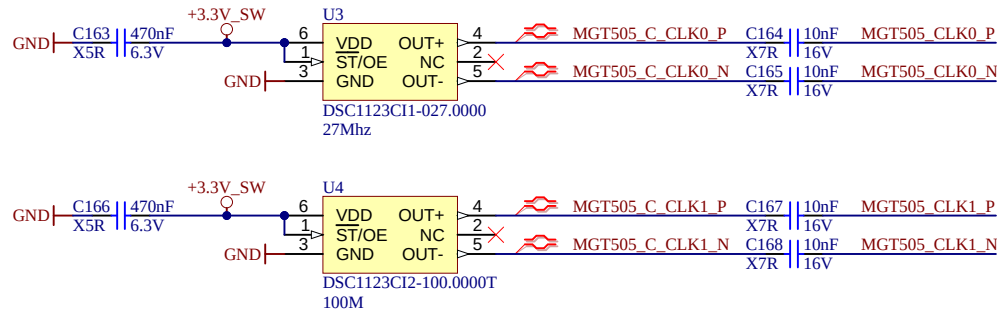
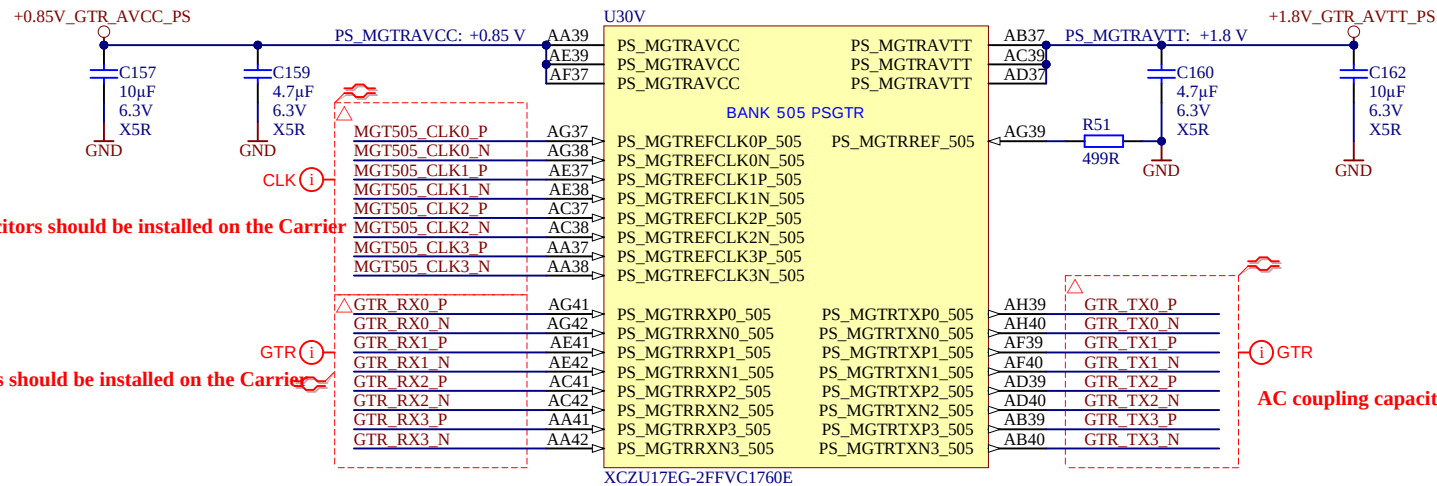
Title: TE0865 – XCZU_504_PSDDR		
A4	Number: 12 DGE43MA	Rev. 01
Date: 23.04.2021	Copyright: Trenz Electronic GmbH	Page 12 of 51
Filename: XCZU_504_PSDDR.schdoc		

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Title: TE0865 – XCZU_505_MGT		
A4	Number: 13 DGE43MA	Rev. 01
Date: 23.04.2021	Copyright: Trenz Electronic GmbH	Page 13 of 51
Filename: XCZU_505_MGT.schdoc		

1

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1

2

3

4

A

A

B

B

C

C

D

D

DDR4-PS-RAM_1

DDR4-PS-RAM_2

DDR4-PS-RAM_3

DDR4-PS-RAM_4

DDR4-PS-RAM_5

DDR4-PS-TERM



Title: TE0865 – DDR4-PS			
A4	Number: 17 DGE43MA		Rev. 01
Date: 23.04.2021	Copyright: Trenz Electronic GmbH		Page 17 of 51
Filename: DDR4-PS.SchDoc			

1

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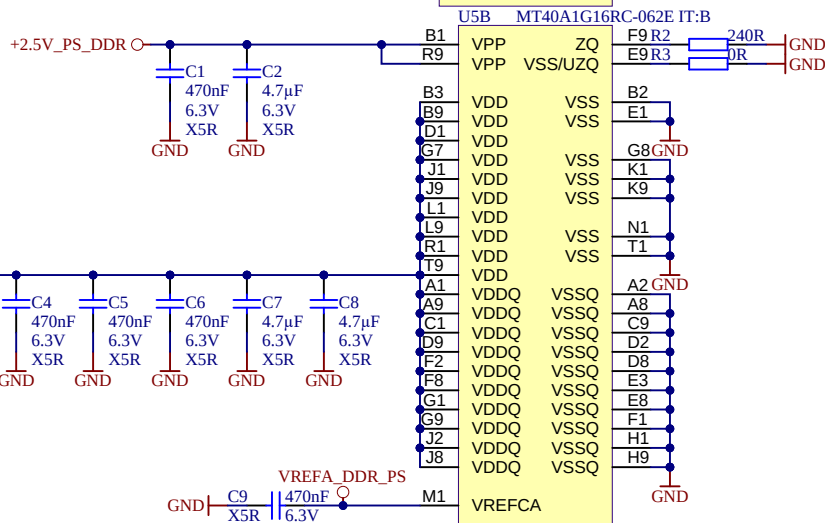
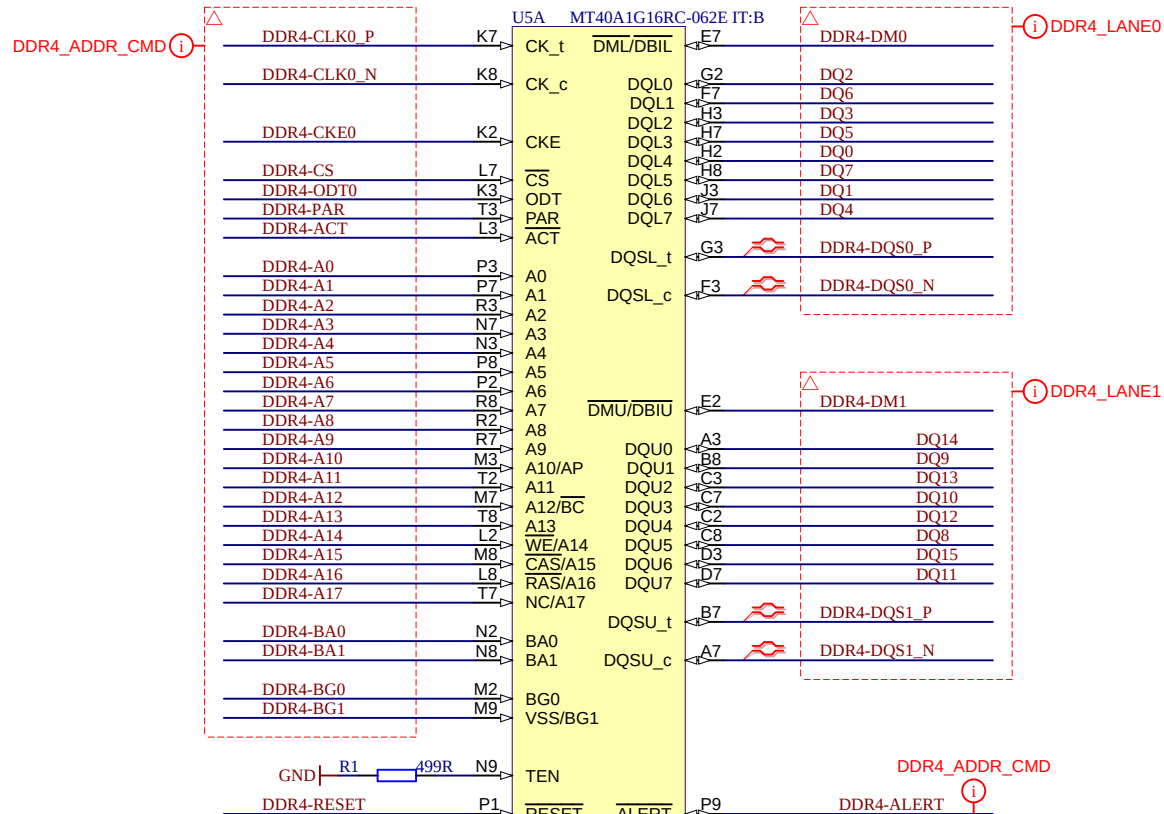
4

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Title: TE0865 – DDR4-PS-RAM_1		
A4	Number: 18 DGE43MA	Rev. 01
Date: 23.04.2021	Copyright: Trenz Electronic GmbH	Page 18 of 51
Filename: DDR4-RAM_1.SchDoc		

1

2

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1

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4

A

A

B

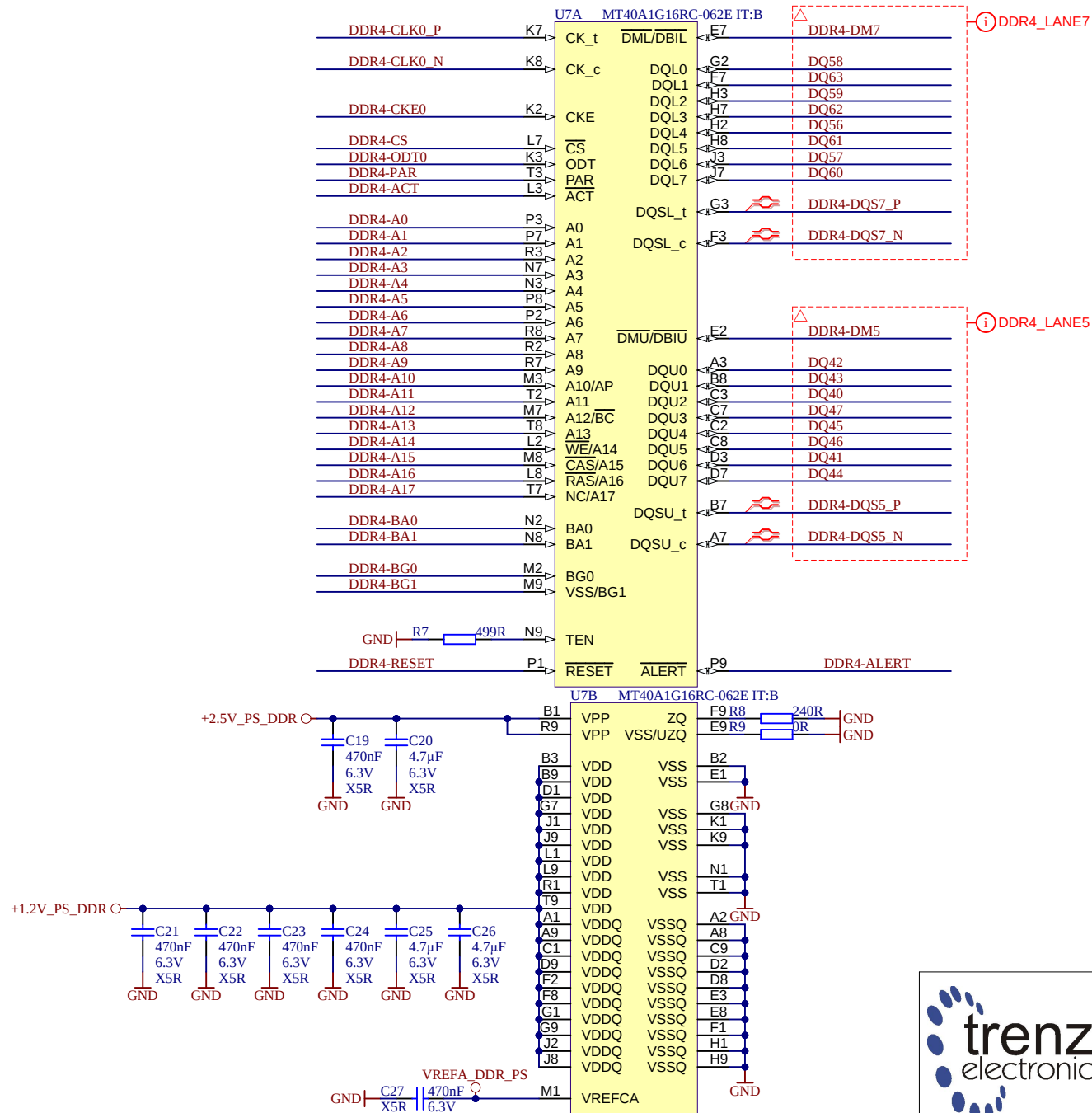
B

C

C

D

D



Title: TE0865 – DDR4-PS-RAM_3		
A4	Number: 20 DGE43MA	Rev. 01
Date: 23.04.2021	Copyright: Trenz Electronic GmbH	Page 20 of 51
Filename: DDR4-RAM_3.SchDoc		

1

2

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1

2

3

4

A

A

B

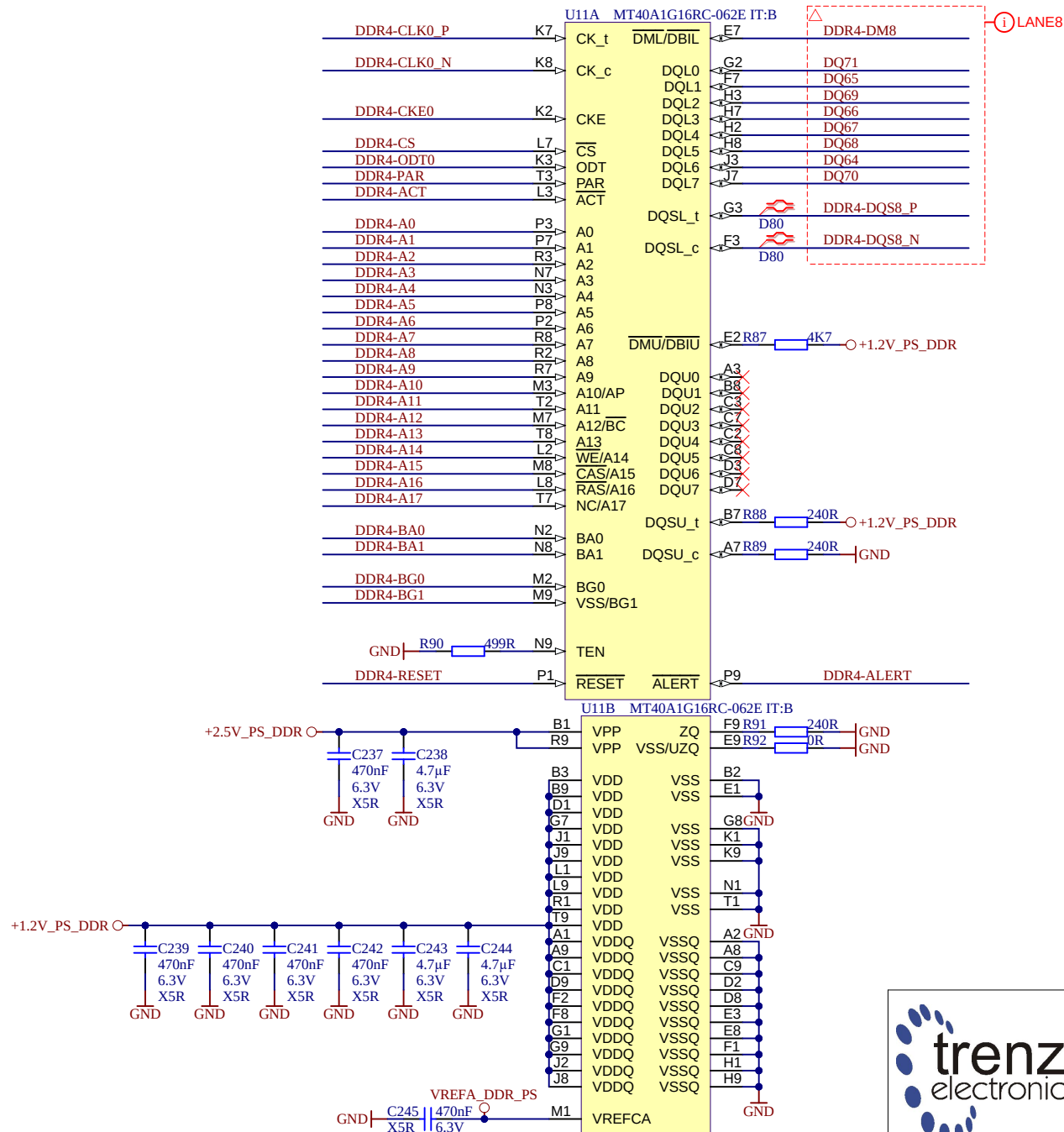
B

C

C

D

D



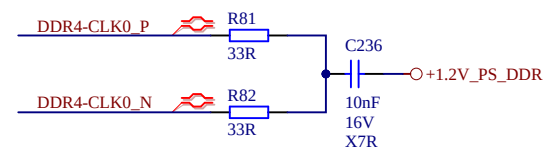
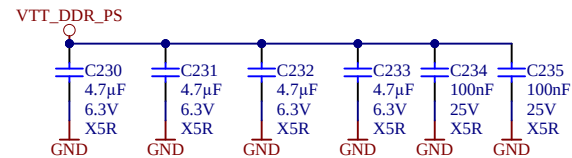
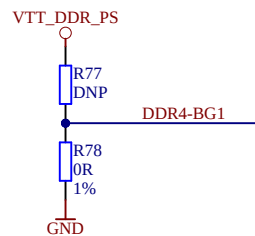
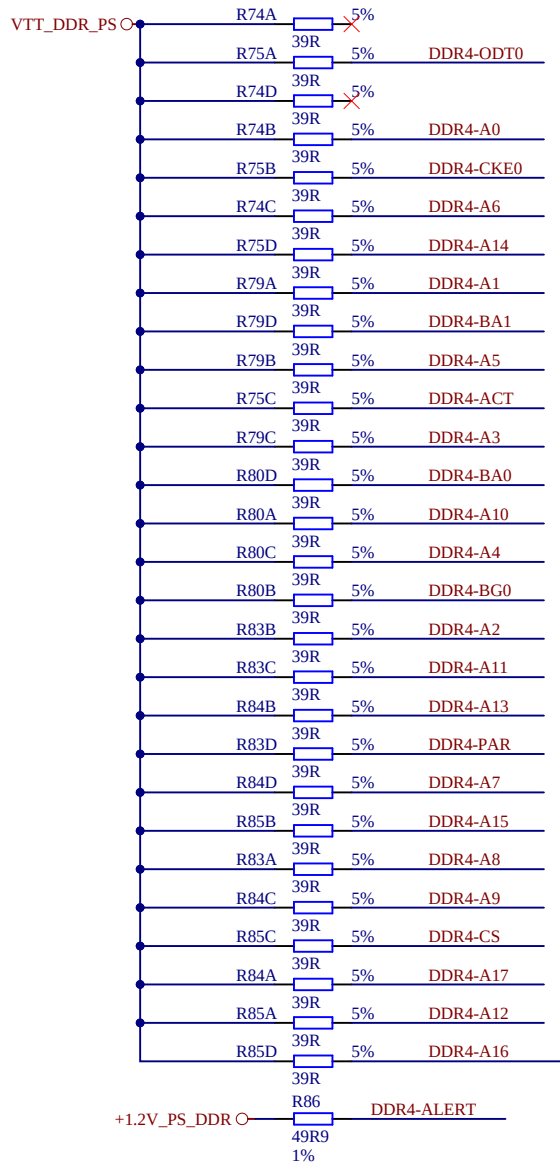
Title: TE0865 – DDR4-PS-RAM_5		
A4	Number: 22 DGE43MA	Rev. 01
Date: 23.04.2021	Copyright: Trenz Electronic GmbH	
Filename: DDR4-RAM_5.SchDoc		Page 22 of 51

1

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	Title: TE0865 – DDR4-PS-TERM		
	A4	Number: 23 DGE43MA	Rev. 01
	Date: 23.04.2021	Copyright: Trenz Electronic GmbH	Page 23 of 51
	Filename: DDR4-TERM.SchDoc		

1

2

3

4

A

A

B

B

C

C

D

D

DDR4-PL-RAM_1

DDR4-PL-RAM_2

DDR4-PL-RAM_3

DDR4-PL-RAM_4

DDR4-PL-TERM



Title: TE0865 – DDR4-PL			
A4	Number: 24 DGE43MA		Rev. 01
Date: 23.04.2021	Copyright: Trenz Electronic GmbH		Page 24 of 51
Filename: DDR4-PL.SchDoc			

1

2

3

4

1

2

3

4

A

A

B

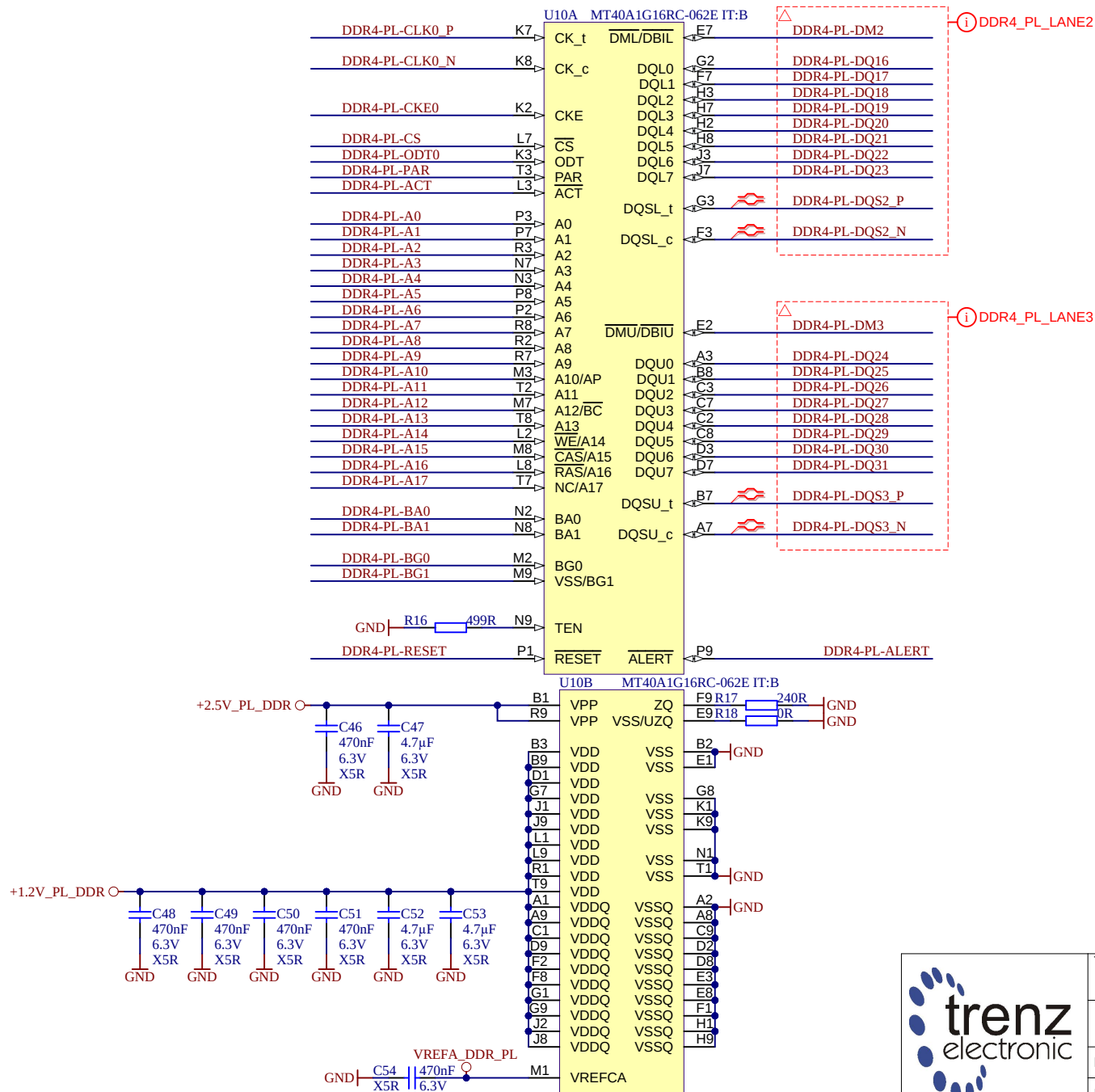
B

C

C

D

D



Title: TE0865 – DDR4-PL-RAM_2		
A4	Number: 26 DGE43MA	Rev. 01
Date: 23.04.2021	Copyright: Trenz Electronic GmbH	Page 26 of 51
Filename: DDR4-PL-RAM_2.SchDoc		

1

2

3

4

1

2

3

4

A

A

B

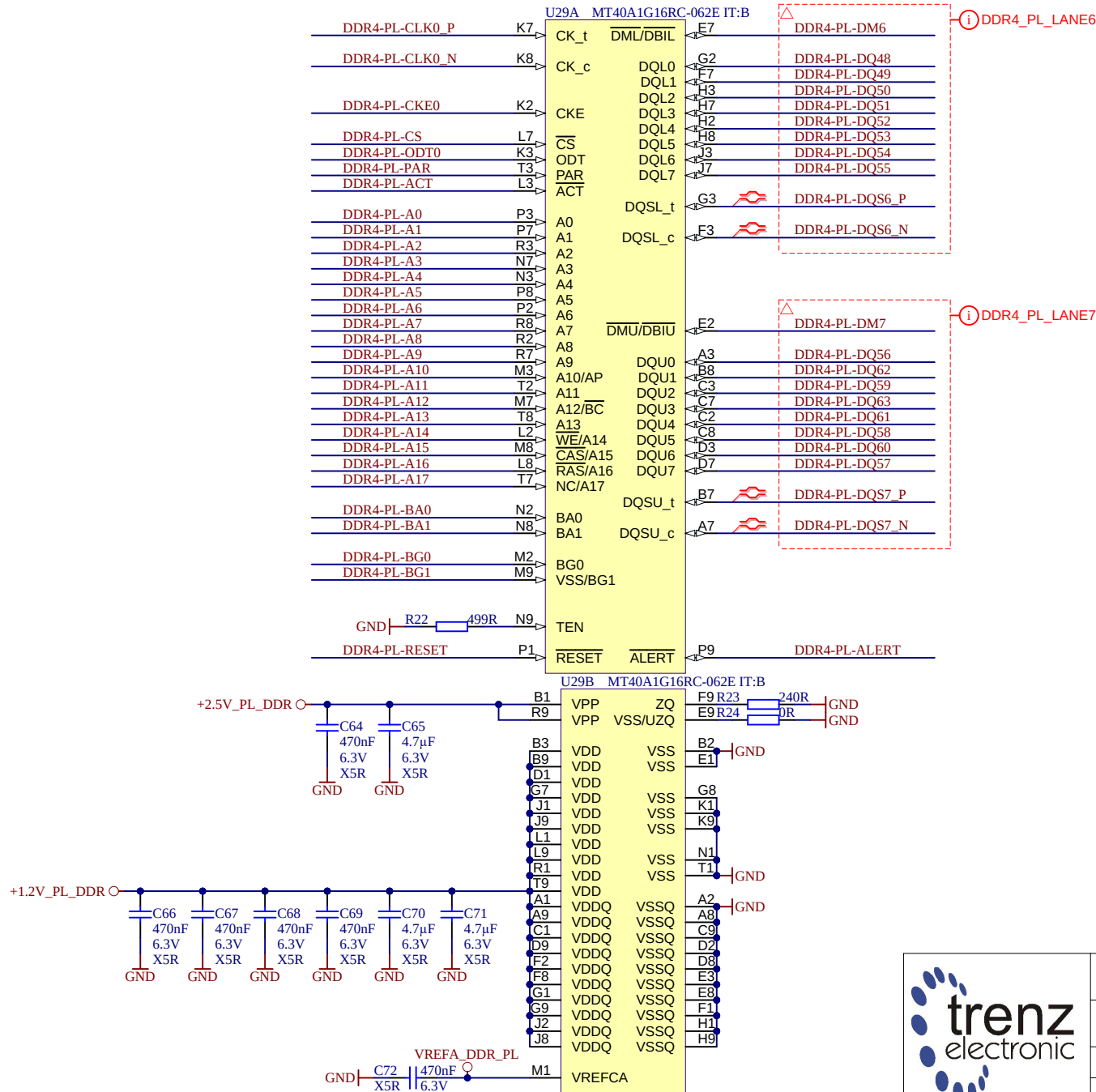
B

C

C

D

D



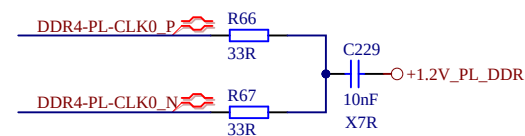
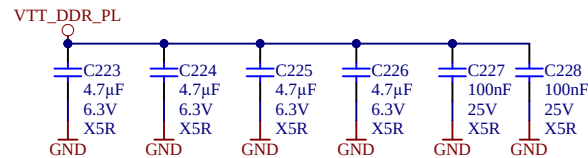
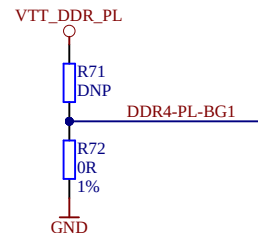
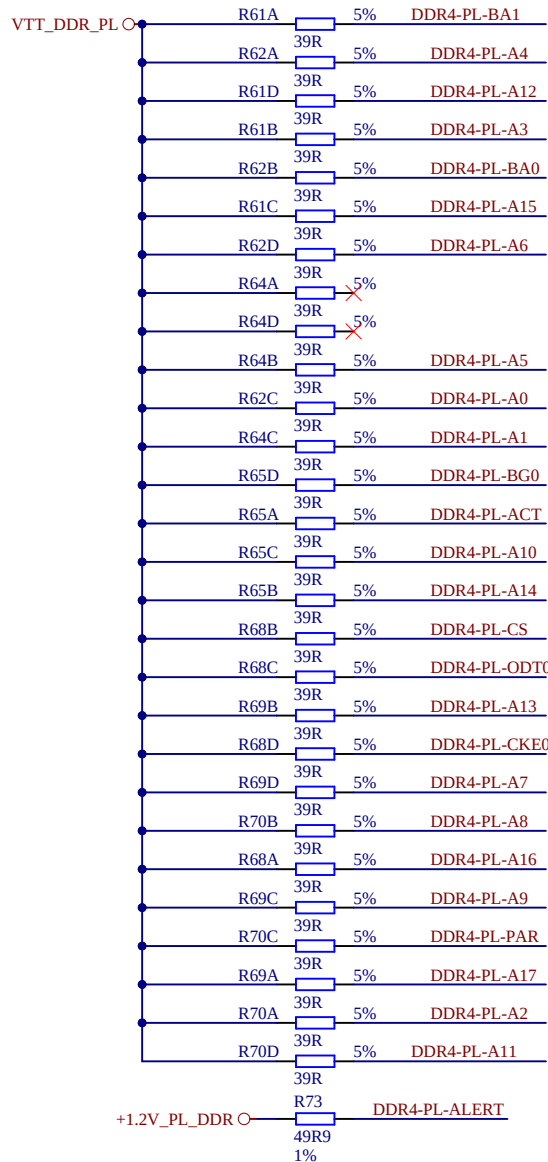
Title: TE0865 – DDR4-PL-RAM_4		
A4	Number: 28 DGE43MA	Rev. 01
Date: 23.04.2021	Copyright: Trenz Electronic GmbH	Page 28 of 51
Filename: DDR4-PL-RAM_4.SchDoc		

1

2

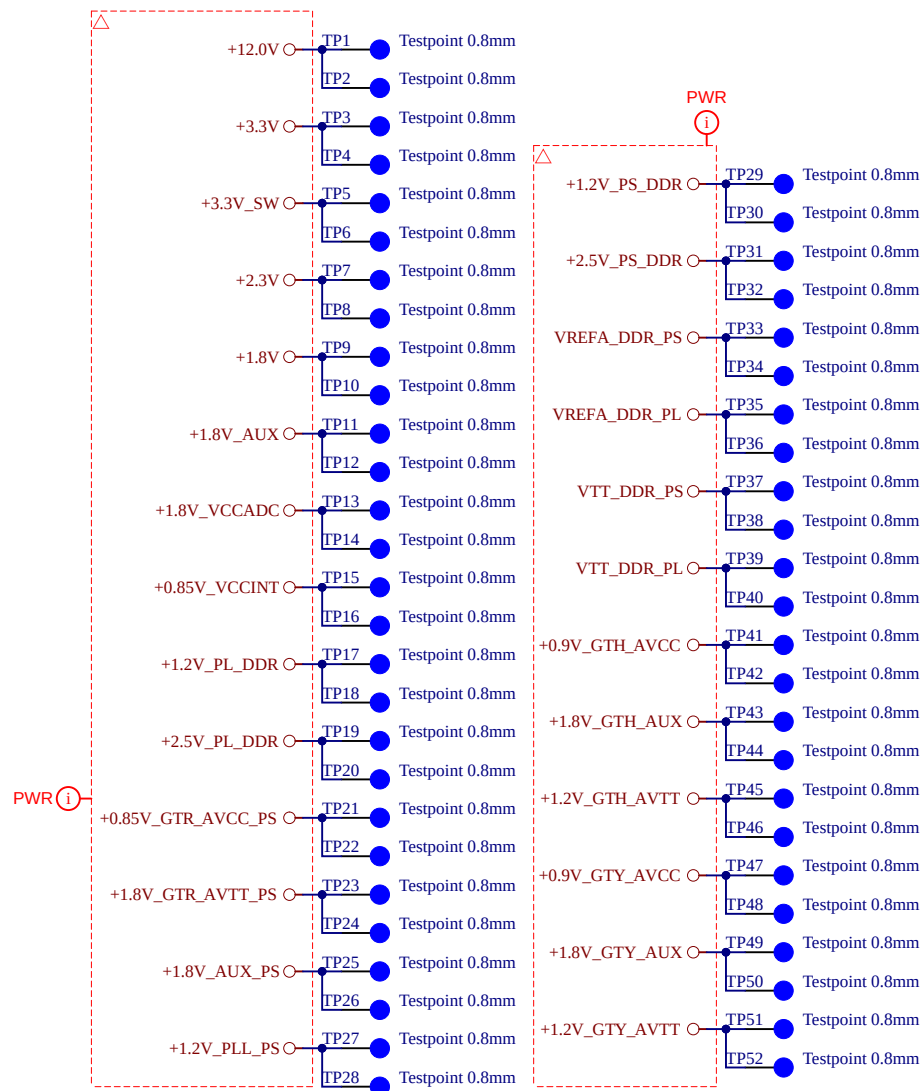
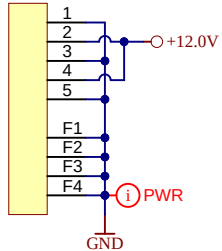
3

4



Title: TE0865 – DDR4-PL-TERM		
A4	Number: 29 DGE43MA	Rev. 01
Date: 23.04.2021	Copyright: Trenz Electronic GmbH	
Filename: DDR4-PL-TERM.SchDoc		Page 29 of 51

UMPT-05-01.5-G-VT-SM-WT-K
J5



PWR_1

PWR_2

PWR_3

PWR_4

POWER_CORE



Title: TE0865 – POWER

A4	Number: 30 DGE43MA	Rev. 01
	Date: 23.04.2021	Page 30 of 51
Filename: POWER.SchDoc		



1

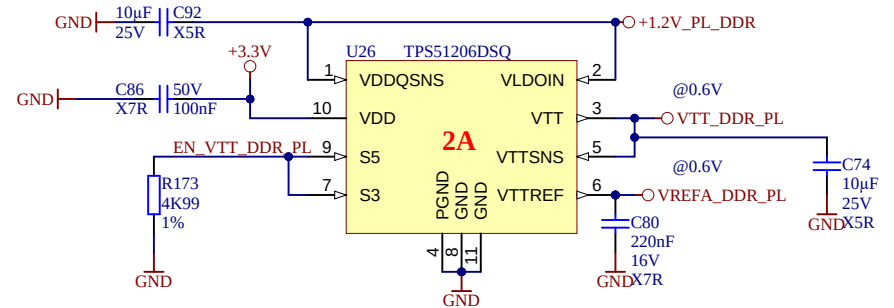
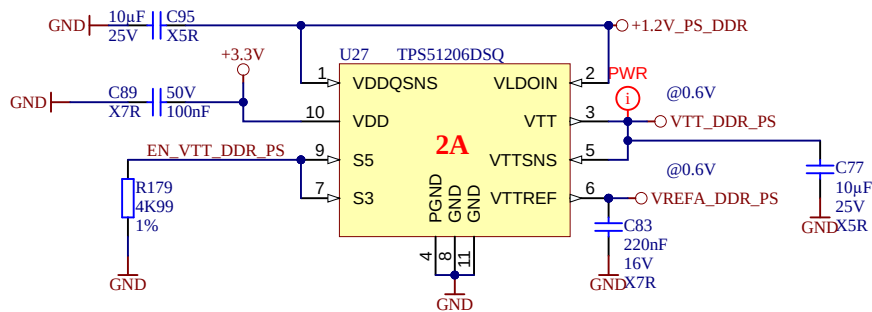
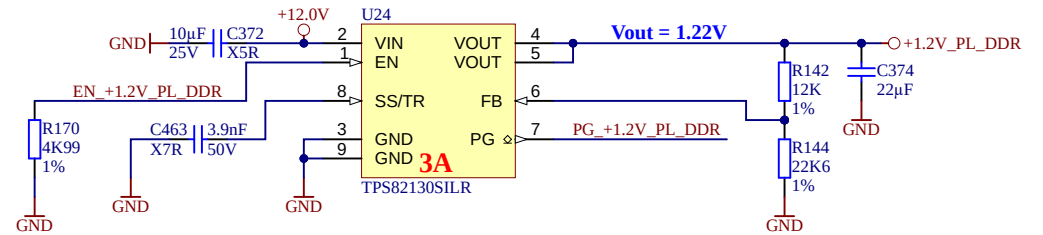
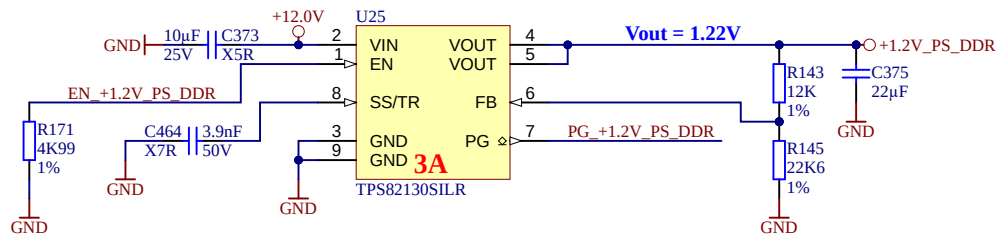
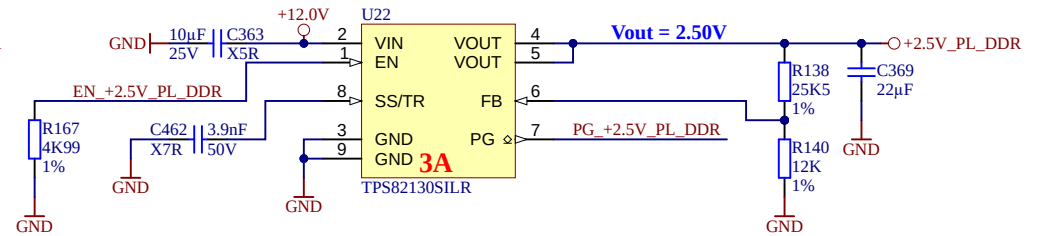
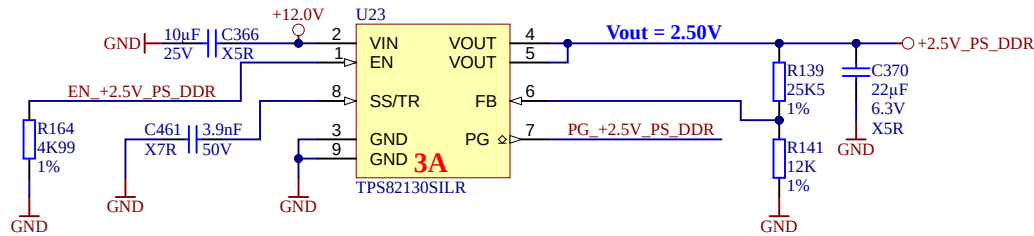
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DDR PS

DDR PL



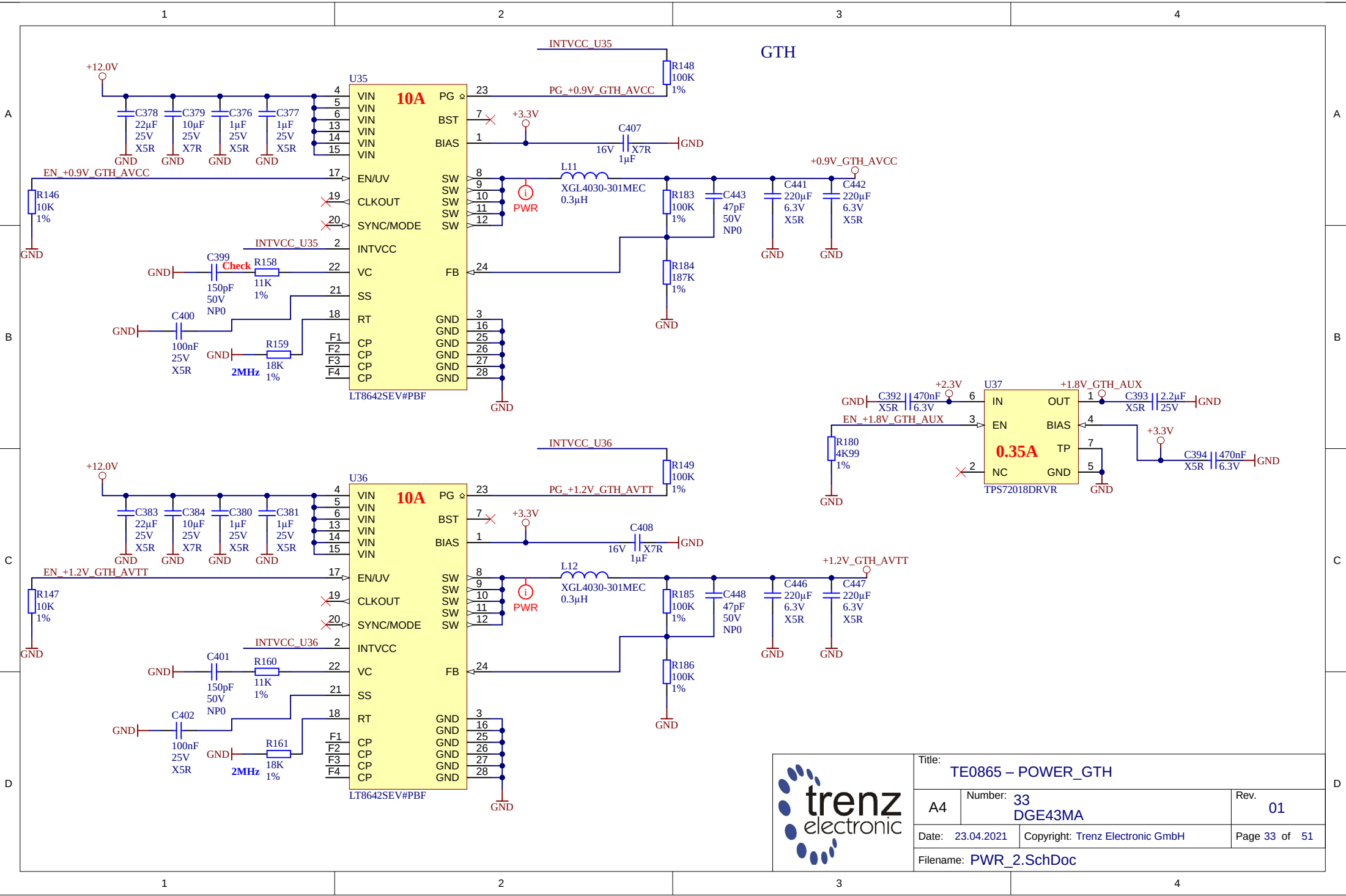
Title: TE0865 – POWER_DDRs		
A4	Number: 32 DGE43MA	Rev. 01
Date: 23.04.2021	Copyright: Trenz Electronic GmbH	Page 32 of 51
Filename: PWR_1.SchDoc		

1

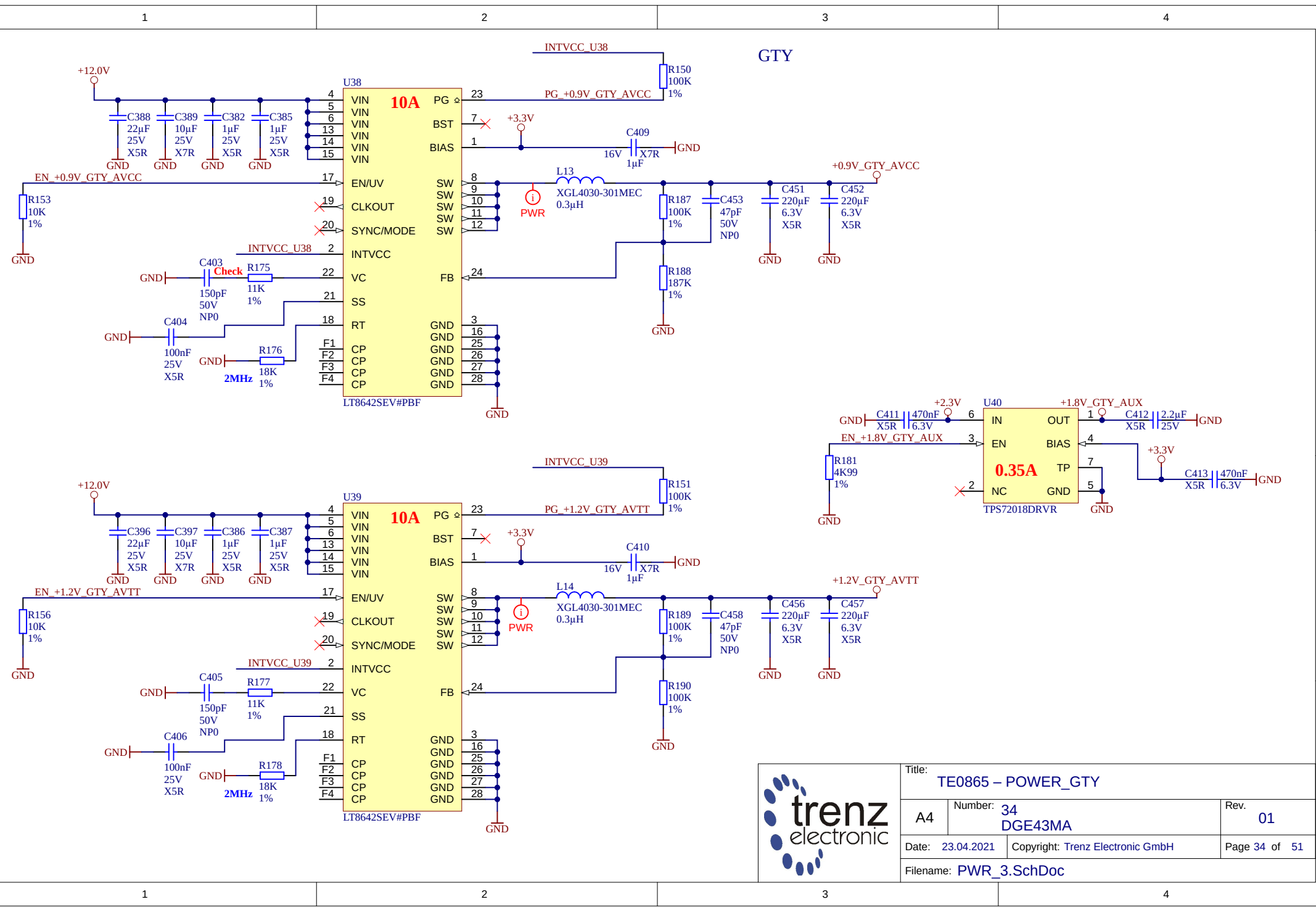
2

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Title: TE0865 – POWER_GTH		
A4	Number: 33 DGE43MA	Rev. 01
Date: 23.04.2021	Copyright: Trenz Electronic GmbH	Page 33 of 51
Filename: PWR_2.SchDoc		



Title: TE0865 – POWER_GTY		
A4	Number: 34 DGE43MA	Rev. 01
Date: 23.04.2021	Copyright: Trenz Electronic GmbH	Page 34 of 51
Filename: PWR_3.SchDoc		

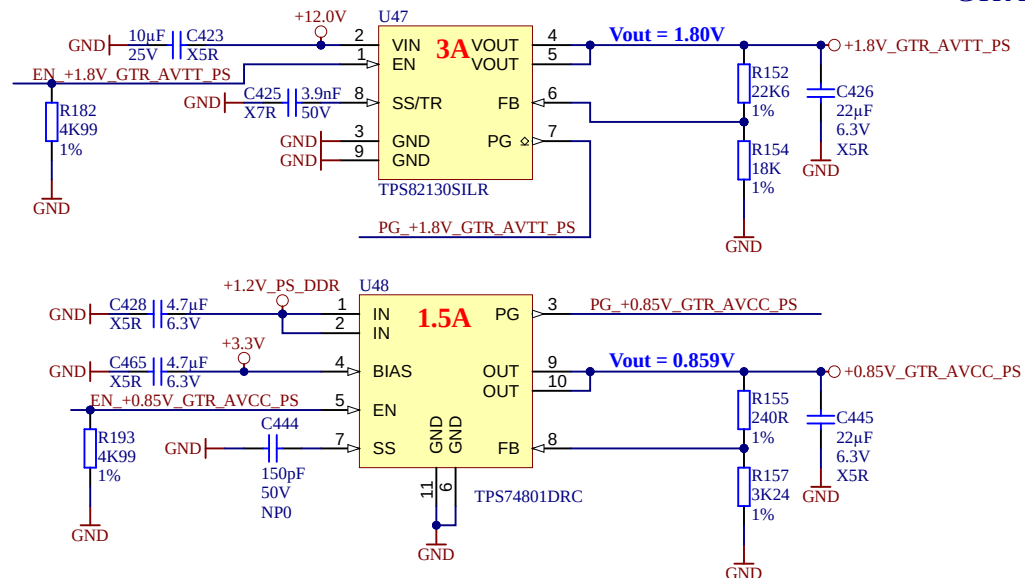
1

2

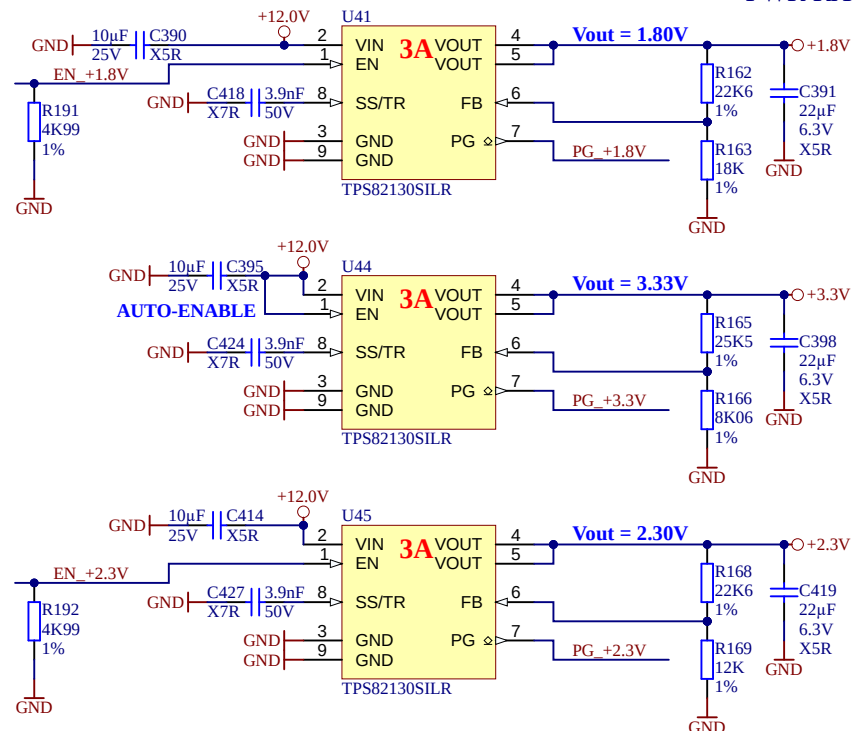
3

4

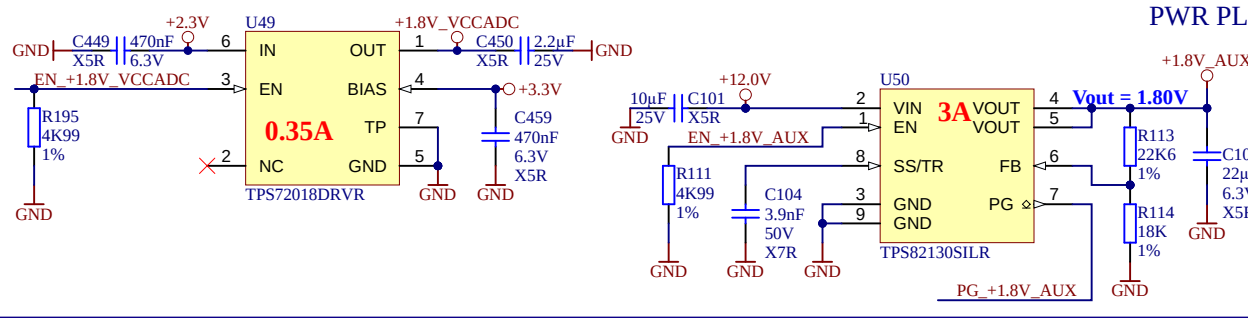
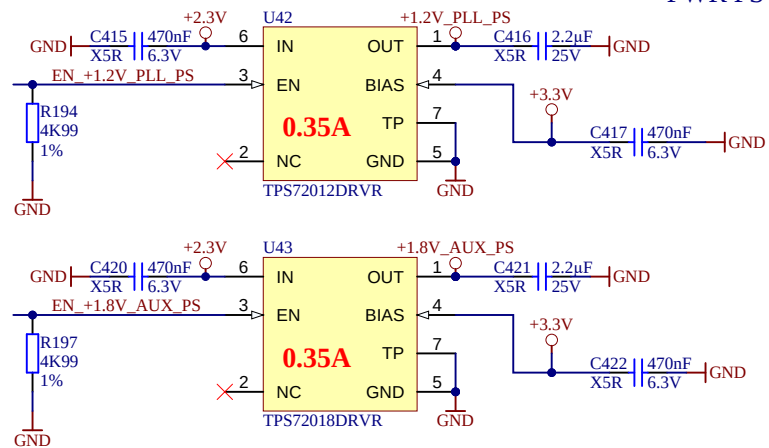
GTR PS



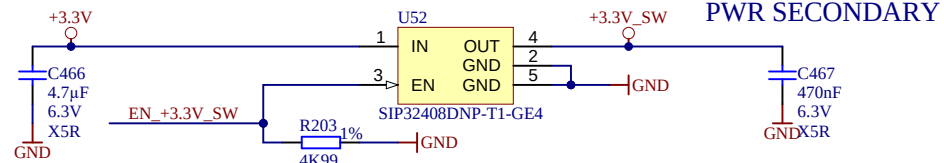
PWR RAILS



PWR PS



PWR SECONDARY



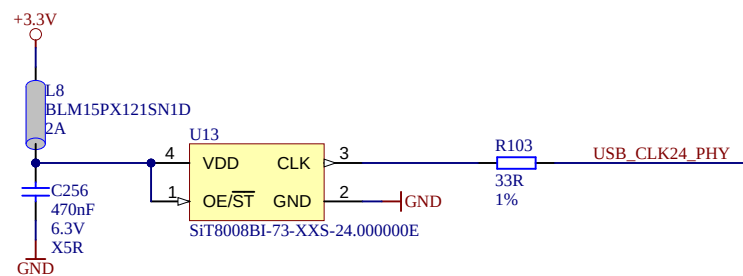
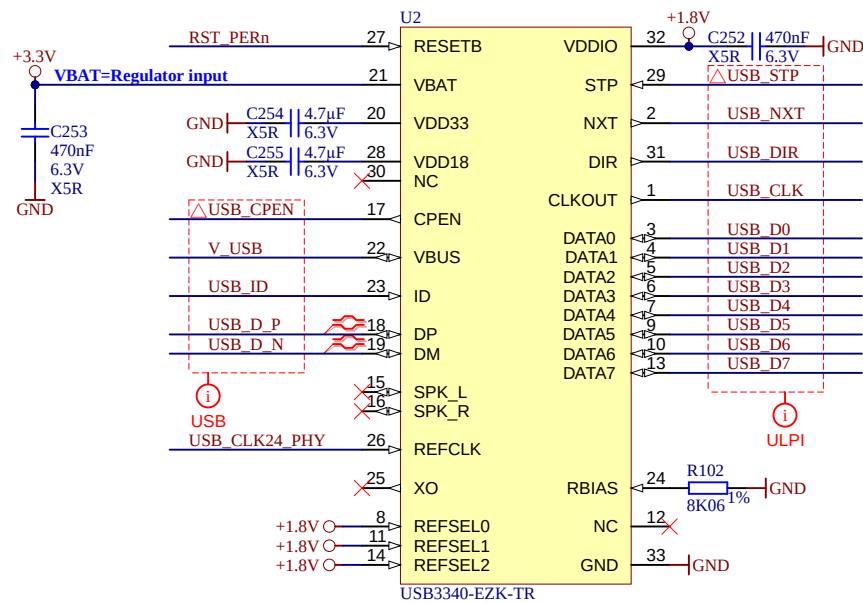
Title: TE0865 – POWER_RAILS_PS-PL		
A4	Number: 35 DGE43MA	Rev. 01
Date: 23.04.2021	Copyright: Trenz Electronic GmbH	Page 35 of 51
Filename: PWR_4.SchDoc		

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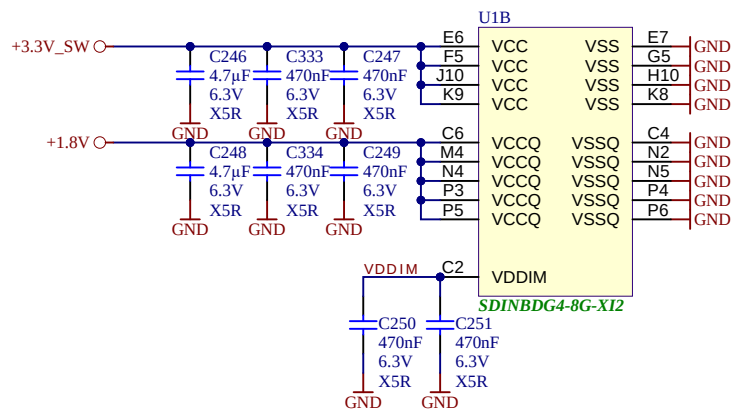
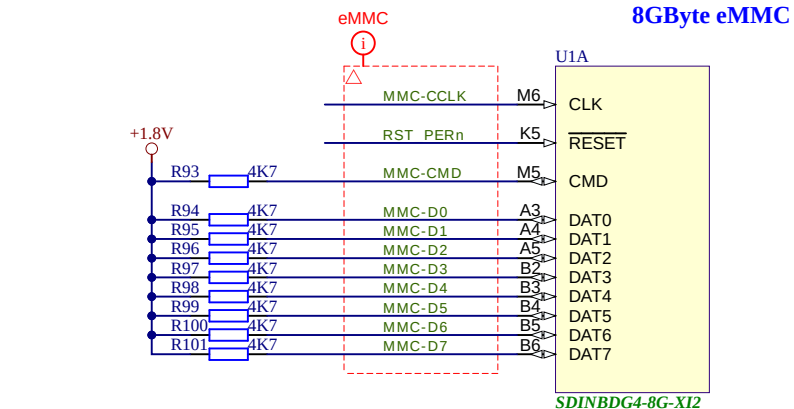
Title: TE0865 – USBPHY		
A4	Number: 36 DGE43MA	Rev. 01
Date: 23.04.2021	Copyright: Trenz Electronic GmbH	Page 36 of 51
Filename: USBPHY.SchDoc		

1

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4



U1D			
A1	NC	NC	H2
A2	NC	NC	H3
A8	NC	NC	H12
A9	NC	NC	H13
A10	NC	NC	H14
A11	NC	NC	J1
A12	NC	NC	J2
A13	NC	NC	J3
A14	NC	NC	J12
B1	NC	NC	J13
B7	NC	NC	J14
B8	NC	NC	K1
B9	NC	NC	K2
B10	NC	NC	K3
B11	NC	NC	K12
B12	NC	NC	K13
B13	NC	NC	K14
B14	NC	NC	L1
C1	NC	NC	L2
C3	NC	NC	L3
C7	NC	NC	L12
C8	NC	NC	L13
C9	NC	NC	L14
C10	NC	NC	M1
C11	NC	NC	M2
C12	NC	NC	M3
C13	NC	NC	M7
C14	NC	NC	M8
D1	NC	NC	M9
D2	NC	NC	M10
D3	NC	NC	M11
D4	NC	NC	M12
D12	NC	NC	M13
D13	NC	NC	M14
D14	NC	NC	N1
E1	NC	NC	N3
E2	NC	NC	N6
E3	NC	NC	N7
E12	NC	NC	N8
E13	NC	NC	N9
E14	NC	NC	N10
F1	NC	NC	N11
F2	NC	NC	N12
F3	NC	NC	N13
F12	NC	NC	N14
F13	NC	NC	P1
F14	NC	NC	P2
G1	NC	NC	P8
G2	NC	NC	P9
G12	NC	NC	P11
G13	NC	NC	P12
G14	NC	NC	P13
H1	NC	NC	P14

SDINBDG4-8G-XI2

U1C			
A6	RFU/VSS		
A7	RFU		
C5	RFU/NC		
E5	RFU		
E8	RFU		
E9	RFU		
E10	RFU		
F10	RFU/NC		
G3	RFU		
G10	RFU/NC		
H5	RFU/DS		
J5	RFU/VSS		
K6	RFU		
K7	RFU		
K10	RFU		
P7	RFU/NC		
P10	RFU		

SDINBDG4-8G-XI2

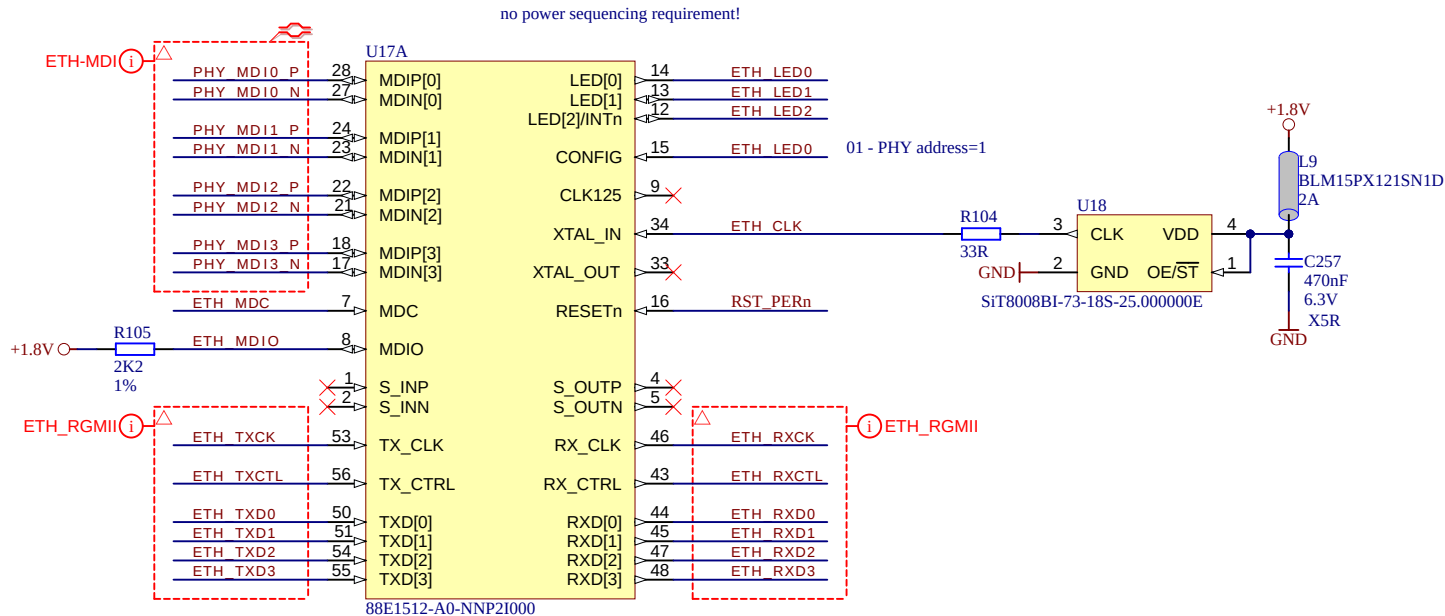
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				A4	Number: 37 DGE43MA
				Date: 23.04.2021	Rev. 01
				Copyright: Trenz Electronic GmbH	
				Page 37 of 51	
				Filename: eMMC.SchDoc	

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3

4



Title: TE0865 – ETH-PHY		
A4	Number: 38 DGE43MA	Rev. 01
Date: 23.04.2021	Copyright: Trenz Electronic GmbH	Page 38 of 51
Filename: ETH-PHY.SchDoc		

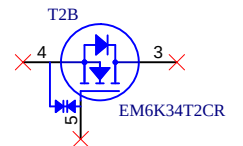
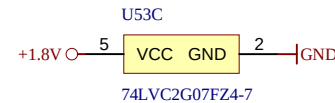
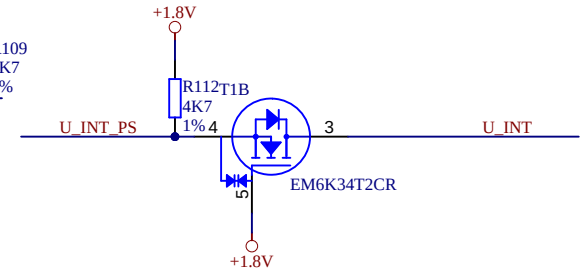
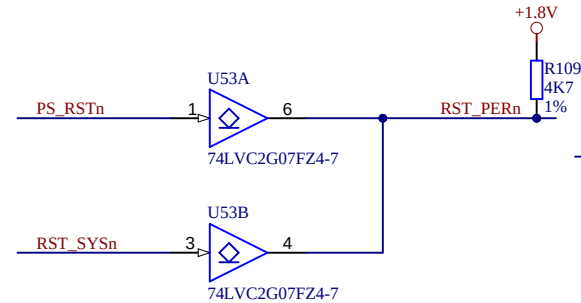
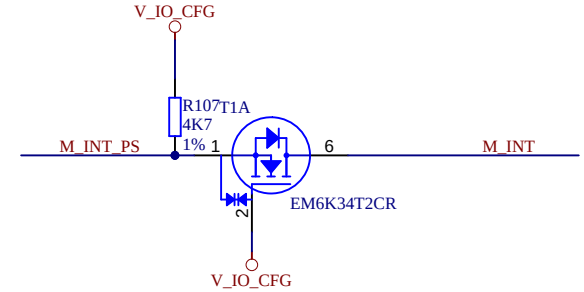
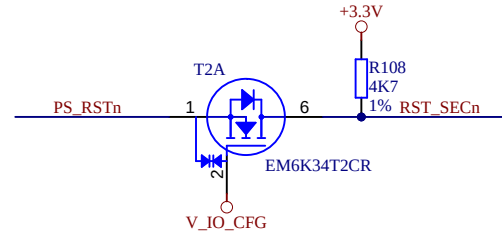
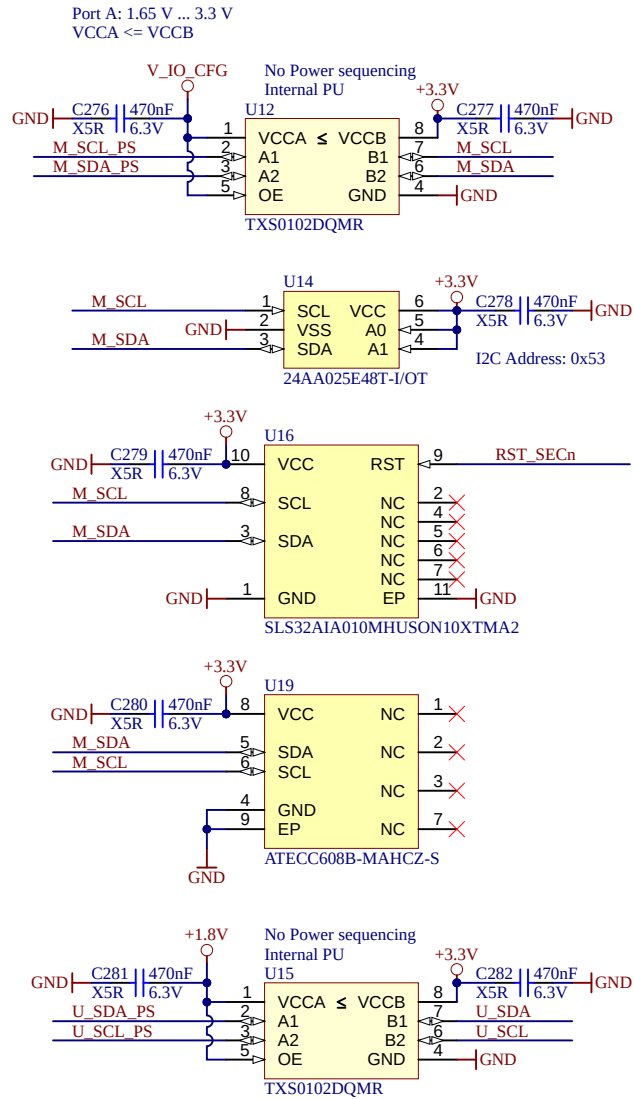


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Title: TE0865 – MISC		
A4	Number: 39 DGE43MA	Rev. 01
Date: 23.04.2021	Copyright: Trenz Electronic GmbH	Page 39 of 51
Filename: MISC.SchDoc		

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4

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A

A

J1

J2

J3

J4

B

B

C

C

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D

		Title: TE0865 – B2B_CONNECTORS	
		A4	Rev. 01
Date: 23.04.2021		Number: 40 DGE43MA	Page 40 of 51
Copyright: Trenz Electronic GmbH		Filename: B2B_Connectors.SchDoc	

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3

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1

2

3

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ADM6-60-01.5-L-4-2 J1A

GND	B67_L10_P	A1	B1	B67_L8_P	
	B67_L10_N	A2	B2	B67_L8_N	
	B67_L9_P	A3	B3	B67_L19_P	
	B67_L9_N	A4	B4	B67_L19_N	
		A5	B5		
GND	B67_L6_N	A6	B6	B67_L3_P	GND
	B67_L6_P	A7	B7	B67_L3_N	
	B67_L5_P	A8	B8	B67_L2_N	
	B67_L5_N	A9	B9	B67_L2_P	
		A10	B10		
GND	B67_L1_P	A11	B11	B67_L4_N	GND
	B67_L1_N	A12	B12	B67_L4_P	
	B67_L7_P	A13	B13	B67_L21_P	
	B67_L7_N	A14	B14	B67_L21_N	
		A15	B15		
GND	B66_L8_P	A16	B16	B66_L9_P	GND
	B66_L8_N	A17	B17	B66_L9_N	
	B66_L7_P	A18	B18	B66_L24_P	
	B66_L7_N	A19	B19	B66_L24_N	
		A20	B20		
GND	B66_L6_P	A21	B21	B66_L10_P	GND
	B66_L6_N	A22	B22	B66_L10_N	
	B66_L12_P	A23	B23	B66_L18_P	
	B66_L12_N	A24	B24	B66_L18_N	
		A25	B25		
GND	B66_L4_P	A26	B26	B66_L5_N	GND
	B66_L4_N	A27	B27	B66_L5_P	
	B66_L2_P	A28	B28	B66_L16_P	
	B66_L2_N	A29	B29	B66_L16_N	
		A30	B30		
GND	B64_L18_P	A31	B31	B64_L6_P	GND
	B64_L18_N	A32	B32	B64_L6_N	
	B64_L17_P	A33	B33	B64_L12_P	
	B64_L17_N	A34	B34	B64_L12_N	
		A35	B35		
GND	B64_L16_P	A36	B36	B64_L4_P	GND
	B64_L16_N	A37	B37	B64_L4_N	
	B64_L11_P	A38	B38	B64_L15_P	
	B64_L11_N	A39	B39	B64_L15_N	
		A40	B40		
GND	B64_L8_N	A41	B41	B64_L13_N	GND
	B64_L8_P	A42	B42	B64_L13_P	
	B64_L7_P	A43	B43	B64_L1_N	
	B64_L7_N	A44	B44	B64_L1_P	
		A45	B45		
GND	B65_L4_N	A46	B46	B65_L3_N	GND
	B65_L4_P	A47	B47	B65_L3_P	
	B65_L1_N	A48	B48	B65_L2_P	
	B65_L1_P	A49	B49	B65_L2_N	
		A50	B50		
GND	B65_L5_P	A51	B51	B65_L6_P	GND
	B65_L5_N	A52	B52	B65_L6_N	
	B65_L7_N	A53	B53	B65_L15_N	
	B65_L7_P	A54	B54	B65_L15_P	
		A55	B55		
GND	B65_L9_N	A56	B56	B65_L8_N	GND
	B65_L9_P	A57	B57	B65_L8_P	
	B65_L11_P	A58	B58	B65_L10_N	
	B65_L11_N	A59	B59	B65_L10_P	
		A60	B60		

ADM6-60-01.5-L-4-2 J1B

GND	B67_L17_P	C1	D1	B67_L24_P	
	B67_L17_N	C2	D2	B67_L24_N	
	B67_L18_P	C3	D3	B67_L20_P	
	B67_L18_N	C4	D4	B67_L20_N	
		C5	D5		
GND	B67_L23_P	C6	D6	B67_L16_P	GND
	B67_L23_N	C7	D7	B67_L16_N	
	B67_L13_N	C8	D8	B67_L14_P	
	B67_L13_P	C9	D9	B67_L14_N	
	B67_VRP	C10	D10		
	B67_L22_P	C11	D11	B67_L12_N	
	B67_L22_N	C12	D12	B67_L12_P	
	B67_L15_N	C13	D13	B67_L11_N	
	B67_L15_P	C14	D14	B67_L11_P	
		C15	D15		
GND	B66_L20_P	C16	D16	B66_L23_P	GND
	B66_L20_N	C17	D17	B66_L23_N	
	B66_L14_P	C18	D18	B66_L22_P	
	B66_L14_N	C19	D19	B66_L22_N	
	B66_VRP	C20	D20		
	B66_L21_N	C21	D21	B66_L11_N	
	B66_L21_P	C22	D22	B66_L11_P	
	B66_L13_N	C23	D23	B66_L17_P	
	B66_L13_P	C24	D24	B66_L17_N	
		C25	D25		
GND	B66_L15_P	C26	D26	B66_L3_N	GND
	B66_L15_N	C27	D27	B66_L3_P	
	B66_L19_P	C28	D28	B66_L1_N	
	B66_L19_N	C29	D29	B66_L1_P	
		C30	D30		
GND	B64_L14_P	C31	D31	B64_L10_N	GND
	B64_L14_N	C32	D32	B64_L10_P	
	B64_L5_N	C33	D33	B64_L19_N	
	B64_L5_P	C34	D34	B64_L19_P	
	B64_VRP	C35	D35		
	B64_L9_N	C36	D36	B64_L22_N	
	B64_L9_P	C37	D37	B64_L22_P	
	B64_L23_N	C38	D38	B64_L20_N	
	B64_L23_P	C39	D39	B64_L20_P	
		C40	D40		
GND	B64_L3_N	C41	D41	B64_L21_N	GND
	B64_L3_P	C42	D42	B64_L21_P	
	B64_L2_N	C43	D43	B64_L24_N	
	B64_L2_P	C44	D44	B64_L24_P	
		C45	D45		
GND	B65_L23_N	C46	D46	B65_L19_N	GND
	B65_L23_P	C47	D47	B65_L19_P	
	B65_L21_N	C48	D48	B65_L20_P	
	B65_L21_P	C49	D49	B65_L20_N	
	B65_VRP	C50	D50		
	B65_L12_P	C51	D51	B65_L14_P	
	B65_L12_N	C52	D52	B65_L14_N	
	B65_L24_N	C53	D53	B65_L22_N	
	B65_L24_P	C54	D54	B65_L22_P	
		C55	D55	PERST0	
GND	B65_L17_P	C56	D56	B65_L13_P	GND
	B65_L17_N	C57	D57	B65_L13_N	
	B65_L18_N	C58	D58	B65_L16_N	
	B65_L18_P	C59	D59	B65_L16_P	
		C60	D60		



Title: TE0865 – J1_CONNECTOR

A4

Number:

41

DGE43MA

Rev.

01

Date: 23.04.2021

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Page 41 of 51

Filename: J1.schdoc

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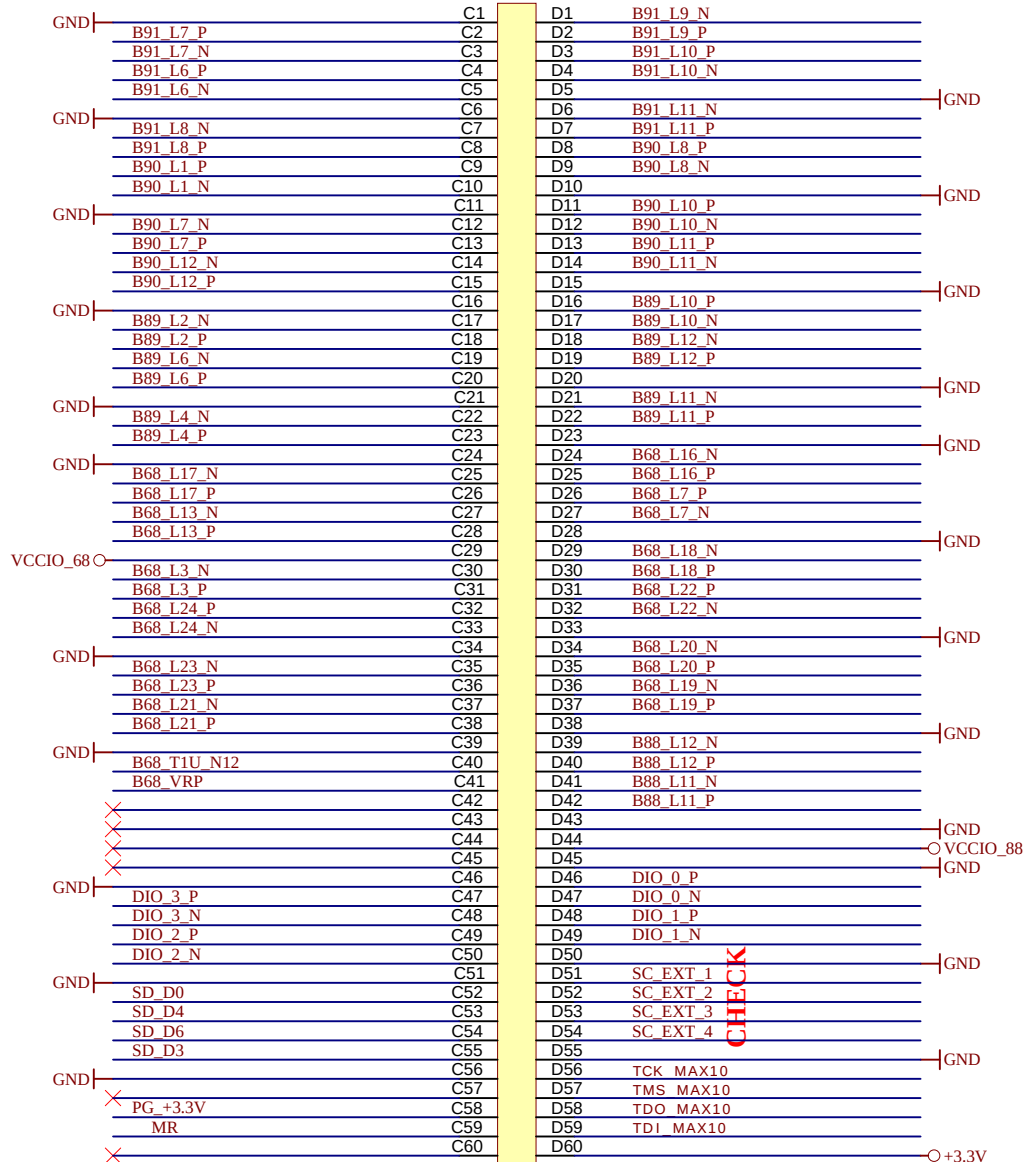
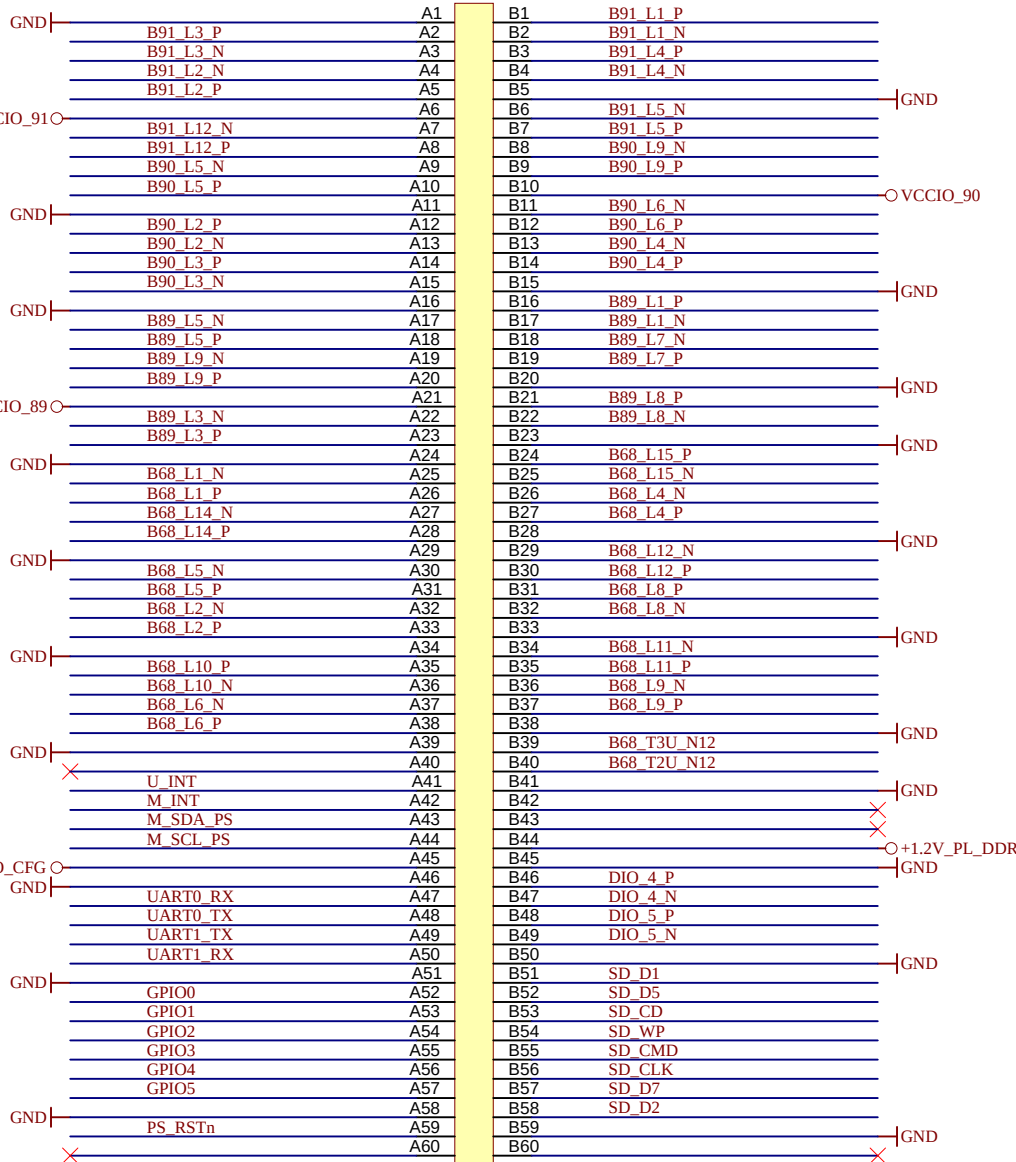
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ADM6-60-01.5-L-4-2 J2A

ADM6-60-01.5-L-4-2 J2B



Title: TE0865 – J2_CONNECTOR		
A4	Number: 42 DGE43MA	Rev. 01
Date: 23.04.2021	Copyright: Trenz Electronic GmbH	Page 42 of 51
Filename: J2.schdoc		

1

2

3

4

1

2

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4

ADM6-60-01.5-L-4-2 J3A

GND	MGT_131_TX3_P	A1	B1	GND
	MGT_131_TX3_N	A2	B2	GND
		A3	B3	MGT_131_TX2_P
GND	MGT_131_TX1_P	A4	B4	MGT_131_TX2_N
	MGT_131_TX1_N	A5	B5	
		A6	B6	MGT_131_TX0_P
GND	MGT_130_TX3_P	A7	B7	MGT_131_TX0_N
	MGT_130_TX3_N	A8	B8	
		A9	B9	MGT_130_TX2_P
GND	MGT_130_TX1_P	A10	B10	MGT_130_TX2_N
	MGT_130_TX1_N	A11	B11	
		A12	B12	MGT_130_TX0_P
GND	MGT_129_TX3_P	A13	B13	MGT_130_TX0_N
	MGT_129_TX3_N	A14	B14	
		A15	B15	MGT_129_TX2_P
GND	MGT_129_TX1_P	A16	B16	MGT_129_TX2_N
	MGT_129_TX1_N	A17	B17	
		A18	B18	MGT_129_TX0_P
GND	MGT_128_TX3_P	A19	B19	MGT_129_TX0_N
	MGT_128_TX3_N	A20	B20	
		A21	B21	MGT_128_TX2_P
GND	MGT_128_TX1_P	A22	B22	MGT_128_TX2_N
	MGT_128_TX1_N	A23	B23	
		A24	B24	MGT_128_TX0_P
GND	MGT_131_CLK_P	A25	B25	MGT_128_TX0_N
	MGT_131_CLK_N	A26	B26	
		A27	B27	MGT_130_CLK_P
GND	MGT505_CLK2_P	A28	B28	MGT_130_CLK_N
	MGT505_CLK2_N	A29	B29	
		A30	B30	MGT505_CLK3_P
GND		A31	B31	MGT505_CLK3_N
		A32	B32	
		A33	B33	V_P
		A34	B34	V_N
		A35	B35	
		A36	B36	
	USB_ID	A37	B37	
	V_USB	A38	B38	
		A39	B39	
GND	USB_D_N	A40	B40	
	USB_D_P	A41	B41	
		A42	B42	
GND	USB_CPEN	A43	B43	
		A44	B44	
GND	PHY_MDIO_P	A45	B45	
	PHY_MDIO_N	A46	B46	
		A47	B47	
GND	PHY_MDIO1_P	A48	B48	
	PHY_MDIO1_N	A49	B49	MODE0
		A50	B50	MODE1
GND	PHY_MDIO2_P	A51	B51	MODE2
	PHY_MDIO2_N	A52	B52	MODE3
		A53	B53	
GND	PHY_MDIO3_P	A54	B54	
	PHY_MDIO3_N	A55	B55	
		A56	B56	
GND		A57	B57	
	ETH_LED0	A58	B58	
	ETH_LED1	A59	B59	
	ETH_LED2	A60	B60	

ADM6-60-01.5-L-4-2 J3B

GND	MGT_131_RX3_P	C1	D1	GND
	MGT_131_RX3_N	C2	D2	GND
		C3	D3	MGT_131_RX2_P
GND	MGT_131_RX1_P	C4	D4	MGT_131_RX2_N
	MGT_131_RX1_N	C5	D5	
		C6	D6	MGT_131_RX0_P
GND	MGT_130_RX3_P	C7	D7	MGT_131_RX0_N
	MGT_130_RX3_N	C8	D8	
		C9	D9	MGT_130_RX2_P
GND	MGT_130_RX1_P	C10	D10	MGT_130_RX2_N
	MGT_130_RX1_N	C11	D11	
		C12	D12	MGT_130_RX0_P
GND	MGT_129_RX3_P	C13	D13	MGT_130_RX0_N
	MGT_129_RX3_N	C14	D14	
		C15	D15	MGT_129_RX2_P
GND	MGT_129_RX1_P	C16	D16	MGT_129_RX2_N
	MGT_129_RX1_N	C17	D17	
		C18	D18	MGT_129_RX0_P
GND	MGT_128_RX3_P	C19	D19	MGT_129_RX0_N
	MGT_128_RX3_N	C20	D20	
		C21	D21	MGT_128_RX2_P
GND	MGT_128_RX1_P	C22	D22	MGT_128_RX2_N
	MGT_128_RX1_N	C23	D23	
		C24	D24	MGT_128_RX0_P
GND	MGT_129_CLK_P	C25	D25	MGT_128_RX0_N
	MGT_129_CLK_N	C26	D26	
		C27	D27	MGT_128_CLK_P
GND	GTR_TX3_P	C28	D28	MGT_128_CLK_N
	GTR_TX3_N	C29	D29	
		C30	D30	GTR_RX3_P
GND	GTR_TX2_P	C31	D31	GTR_RX3_N
	GTR_TX2_N	C32	D32	
		C33	D33	GTR_RX2_P
GND	GTR_TX1_P	C34	D34	GTR_RX2_N
	GTR_TX1_N	C35	D35	
		C36	D36	GTR_RX1_P
GND	GTR_TX0_P	C37	D37	GTR_RX1_N
	GTR_TX0_N	C38	D38	
		C39	D39	GTR_RX0_P
GND		C40	D40	GTR_RX0_N
		C41	D41	
		C42	D42	
		C43	D43	
		C44	D44	
		C45	D45	
GND		C46	D46	
	V_BAT	C47	D47	PUDC_B
		C48	D48	PROG_B
GND	DONE	C49	D49	INIT_B
	POR_B	C50	D50	
	SRST_B	C51	D51	
	ERR_OUT	C52	D52	
	ERR_STAT	C53	D53	U_SCL
		C54	D54	U_SDA
GND	DX_P	C55	D55	
	DX_N	C56	D56	TCK
		C57	D57	TDI
GND		C58	D58	TDO
		C59	D59	TMS
		C60	D60	

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Title:

TE0865 – J3_CONNECTOR

A4

Number:

43

DGE43MA

Rev.

01

Date: 23.04.2021

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Page 43 of 51

Filename: J3.schdoc

1

2

3

4

1

2

3

4

ADM6-60-01.5-L-4-2 J4A

ADM6-60-01.5-L-4-2 J4B

B88_L6_N	A1	B1	
B88_L6_P	A2	B2 B88_L1_N	GND
B88_L5_N	A3	B3 B88_L1_P	
B88_L5_P	A4	B4 B88_L3_P	
B88_L2_N	A5	B5 B88_L3_N	
B88_L2_P	A6	B6	
GND MGT_231_CLK0_P	A7	B7 MGT_230_CLK0_P	GND
GND MGT_231_CLK0_N	A8	B8 MGT_230_CLK0_N	
	A9	B9	
GND MGT_231_RX3_P	A10	B10 MGT_231_RX2_P	GND
GND MGT_231_RX3_N	A11	B11 MGT_231_RX2_N	
	A12	B12	
GND MGT_231_RX1_P	A13	B13 MGT_231_RX0_P	GND
GND MGT_231_RX1_N	A14	B14 MGT_231_RX0_N	
	A15	B15	
GND MGT_230_RX3_P	A16	B16 MGT_230_RX2_P	GND
GND MGT_230_RX3_N	A17	B17 MGT_230_RX2_N	
	A18	B18	
GND MGT_230_RX1_P	A19	B19 MGT_230_RX0_P	GND
GND MGT_230_RX1_N	A20	B20 MGT_230_RX0_N	
	A21	B21	
GND MGT_229_RX3_P	A22	B22 MGT_229_RX2_P	GND
GND MGT_229_RX3_N	A23	B23 MGT_229_RX2_N	
	A24	B24	
GND MGT_229_RX1_P	A25	B25 MGT_229_RX0_P	GND
GND MGT_229_RX1_N	A26	B26 MGT_229_RX0_N	
	A27	B27	
GND MGT_228_RX3_P	A28	B28 MGT_228_RX2_P	GND
GND MGT_228_RX3_N	A29	B29 MGT_228_RX2_N	
	A30	B30	
GND MGT_228_RX1_P	A31	B31 MGT_228_RX0_P	GND
GND MGT_228_RX1_N	A32	B32 MGT_228_RX0_N	
	A33	B33	
GND MGT_227_RX3_P	A34	B34 MGT_227_RX2_P	GND
GND MGT_227_RX3_N	A35	B35 MGT_227_RX2_N	
	A36	B36	
GND MGT_227_RX1_P	A37	B37 MGT_227_RX0_P	GND
GND MGT_227_RX1_N	A38	B38 MGT_227_RX0_N	
	A39	B39	
GND MGT_226_RX3_P	A40	B40 MGT_226_RX2_P	GND
GND MGT_226_RX3_N	A41	B41 MGT_226_RX2_N	
	A42	B42	
GND MGT_226_RX1_P	A43	B43 MGT_226_RX0_P	GND
GND MGT_226_RX1_N	A44	B44 MGT_226_RX0_N	
	A45	B45	
GND MGT_225_RX3_P	A46	B46 MGT_225_RX2_P	GND
GND MGT_225_RX3_N	A47	B47 MGT_225_RX2_N	
	A48	B48	
GND MGT_225_RX1_P	A49	B49 MGT_225_RX0_P	GND
GND MGT_225_RX1_N	A50	B50 MGT_225_RX0_N	
	A51	B51	
GND MGT_224_RX3_P	A52	B52 MGT_224_RX2_P	GND
GND MGT_224_RX3_N	A53	B53 MGT_224_RX2_N	
	A54	B54	
GND MGT_224_RX1_P	A55	B55 MGT_224_RX0_P	GND
GND MGT_224_RX1_N	A56	B56 MGT_224_RX0_N	
	A57	B57	
GND MGT_224_CLK_P	A58	B58 MGT_225_CLK_P	GND
GND MGT_224_CLK_N	A59	B59 MGT_225_CLK_N	
	A60	B60	

B88_L7_N	C1	D1	
B88_L7_P	C2	D2 B88_L10_P	GND
B88_L9_N	C3	D3 B88_L10_N	
B88_L9_P	C4	D4 B88_L4_N	
B88_L8_P	C5	D5 B88_L4_P	
B88_L8_N	C6	D6	
GND MGT_229_CLK0_P	C7	D7 MGT_228_CLK0_P	GND
GND MGT_229_CLK0_N	C8	D8 MGT_228_CLK0_N	
	C9	D9	
GND MGT_231_TX2_P	C10	D10 MGT_231_TX3_P	GND
GND MGT_231_TX2_N	C11	D11 MGT_231_TX3_N	
	C12	D12	
GND MGT_231_TX0_P	C13	D13 MGT_231_TX1_P	GND
GND MGT_231_TX0_N	C14	D14 MGT_231_TX1_N	
	C15	D15	
GND MGT_230_TX2_P	C16	D16 MGT_230_TX3_P	GND
GND MGT_230_TX2_N	C17	D17 MGT_230_TX3_N	
	C18	D18	
GND MGT_230_TX0_P	C19	D19 MGT_230_TX1_P	GND
GND MGT_230_TX0_N	C20	D20 MGT_230_TX1_N	
	C21	D21	
GND MGT_229_TX2_P	C22	D22 MGT_229_TX3_P	GND
GND MGT_229_TX2_N	C23	D23 MGT_229_TX3_N	
	C24	D24	
GND MGT_229_TX0_P	C25	D25 MGT_229_TX1_P	GND
GND MGT_229_TX0_N	C26	D26 MGT_229_TX1_N	
	C27	D27	
GND MGT_228_TX2_P	C28	D28 MGT_228_TX3_P	GND
GND MGT_228_TX2_N	C29	D29 MGT_228_TX3_N	
	C30	D30	
GND MGT_228_TX0_P	C31	D31 MGT_228_TX1_P	GND
GND MGT_228_TX0_N	C32	D32 MGT_228_TX1_N	
	C33	D33	
GND MGT_227_TX2_P	C34	D34 MGT_227_TX3_P	GND
GND MGT_227_TX2_N	C35	D35 MGT_227_TX3_N	
	C36	D36	
GND MGT_227_TX0_P	C37	D37 MGT_227_TX1_P	GND
GND MGT_227_TX0_N	C38	D38 MGT_227_TX1_N	
	C39	D39	
GND MGT_226_TX2_P	C40	D40 MGT_226_TX3_P	GND
GND MGT_226_TX2_N	C41	D41 MGT_226_TX3_N	
	C42	D42	
GND MGT_226_TX0_P	C43	D43 MGT_226_TX1_P	GND
GND MGT_226_TX0_N	C44	D44 MGT_226_TX1_N	
	C45	D45	
GND MGT_225_TX2_P	C46	D46 MGT_225_TX3_P	GND
GND MGT_225_TX2_N	C47	D47 MGT_225_TX3_N	
	C48	D48	
GND MGT_225_TX0_P	C49	D49 MGT_225_TX1_P	GND
GND MGT_225_TX0_N	C50	D50 MGT_225_TX1_N	
	C51	D51	
GND MGT_224_TX2_P	C52	D52 MGT_224_TX3_P	GND
GND MGT_224_TX2_N	C53	D53 MGT_224_TX3_N	
	C54	D54	
GND MGT_224_TX0_P	C55	D55 MGT_224_TX1_P	GND
GND MGT_224_TX0_N	C56	D56 MGT_224_TX1_N	
	C57	D57	
GND MGT_226_CLK_P	C58	D58 MGT_227_CLK_P	GND
GND MGT_226_CLK_N	C59	D59 MGT_227_CLK_N	
	C60	D60	



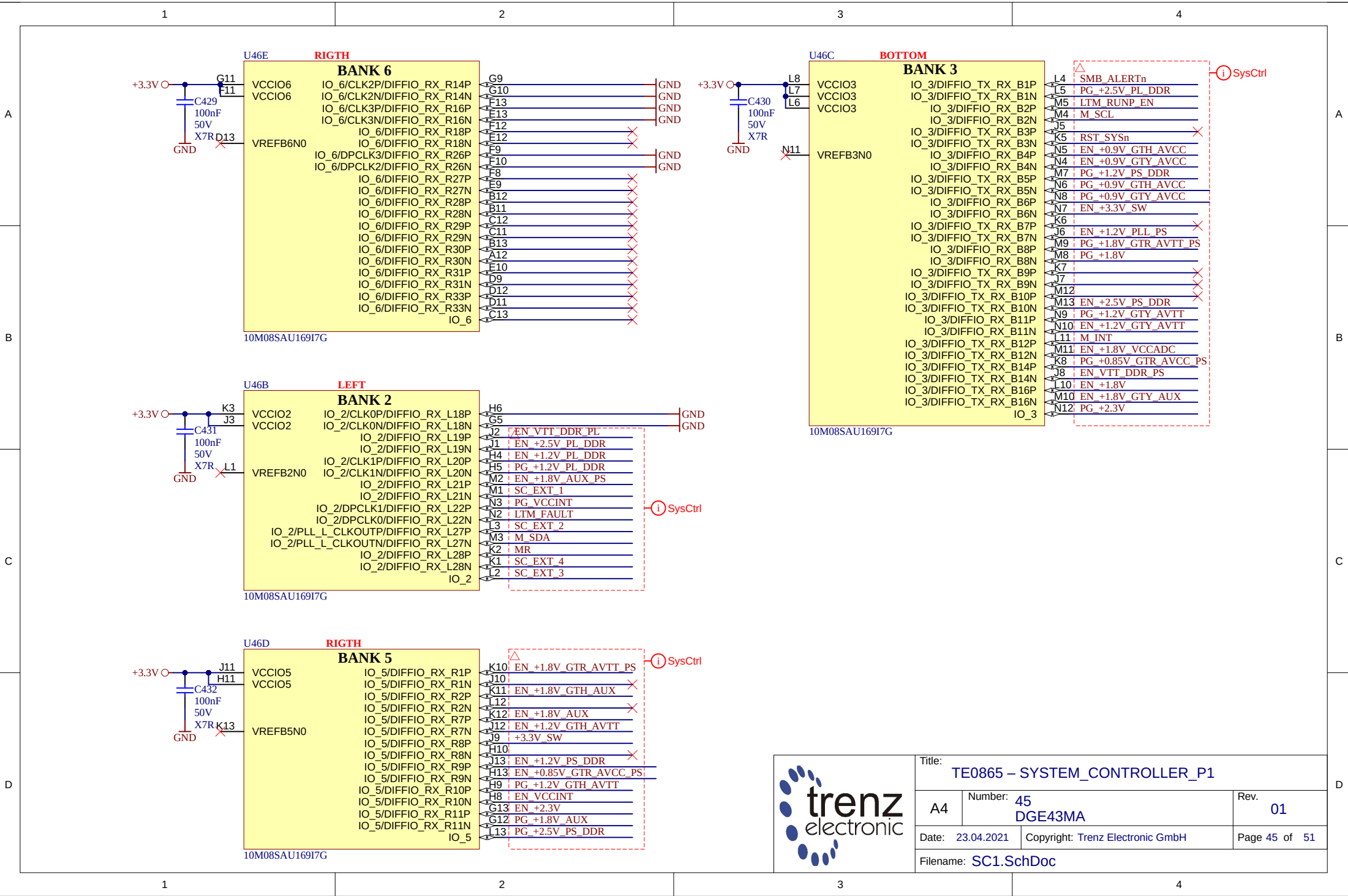
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A4	Number: 44 DGE43MA	Rev. 01
Date: 23.04.2021	Copyright: Trenz Electronic GmbH	Page 44 of 51
Filename: J4.schdoc		

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A

A

B

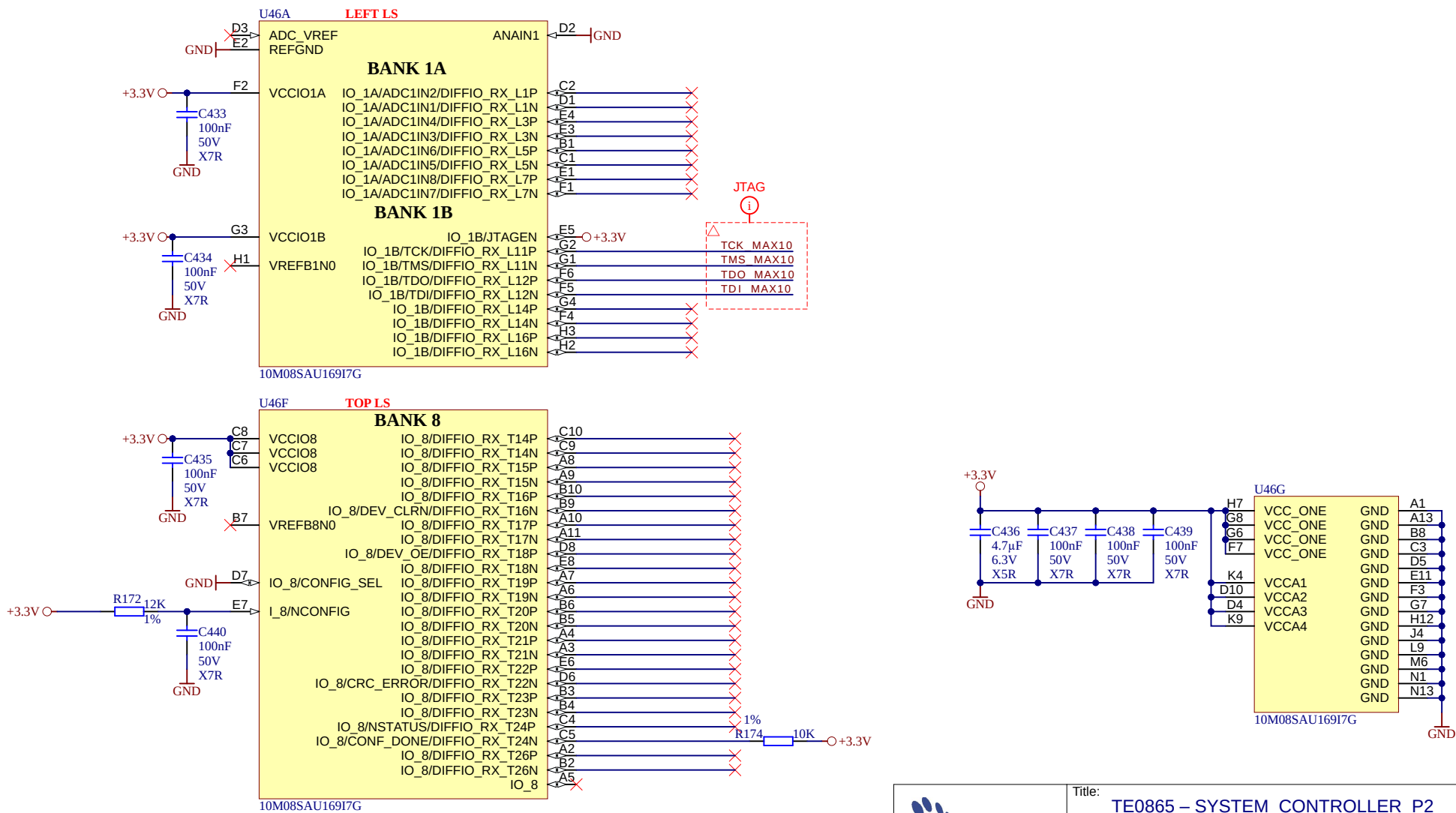
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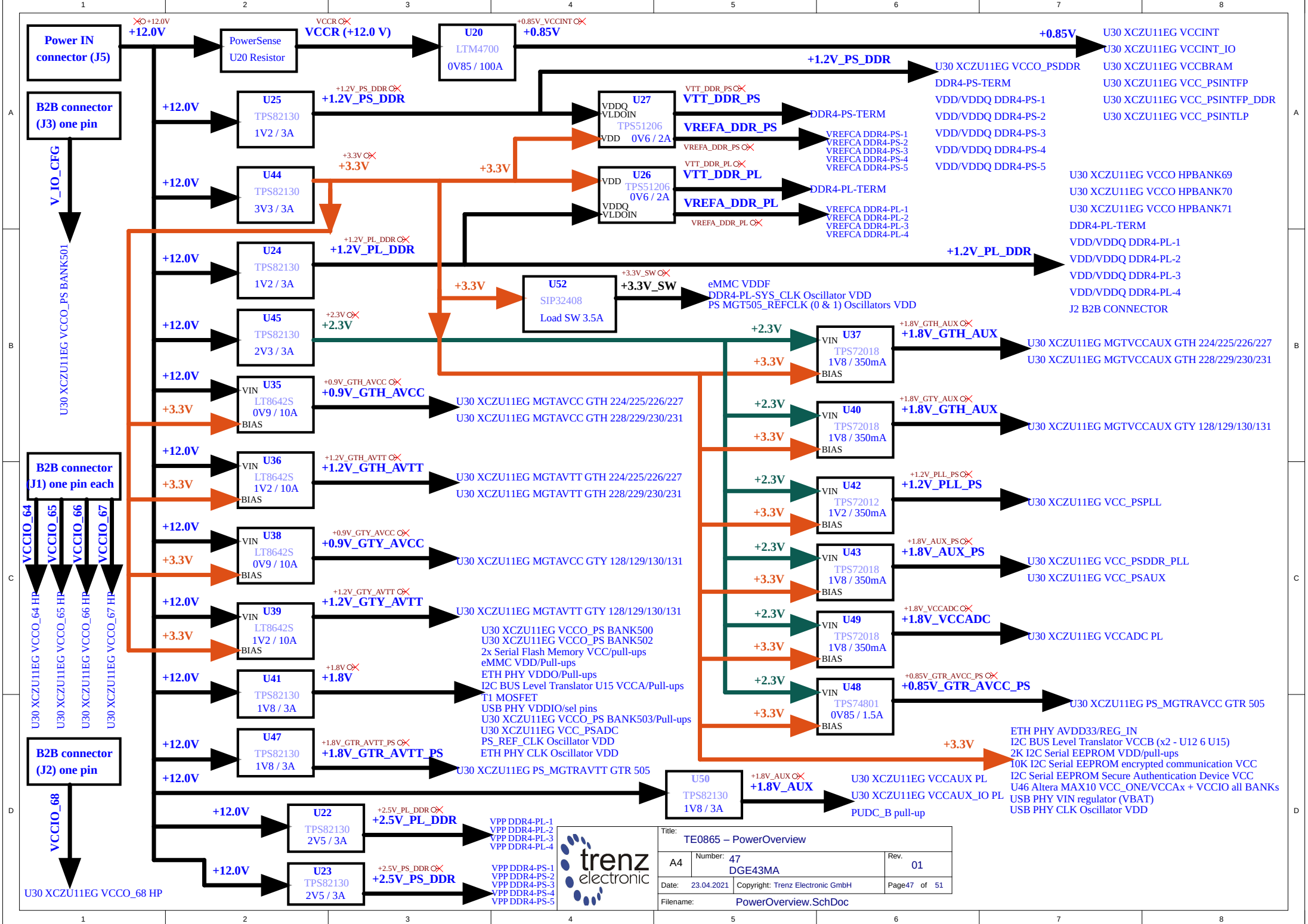
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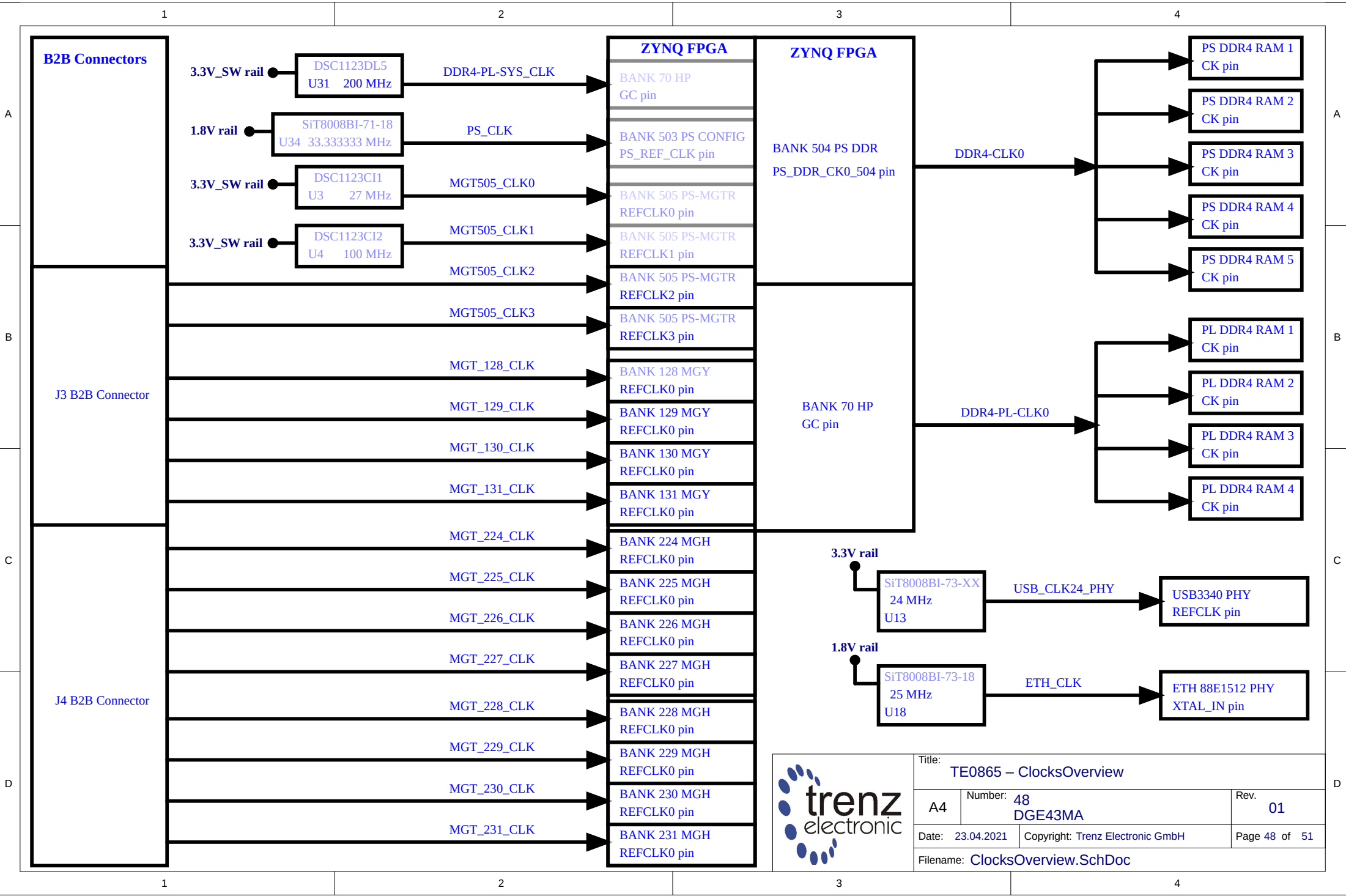
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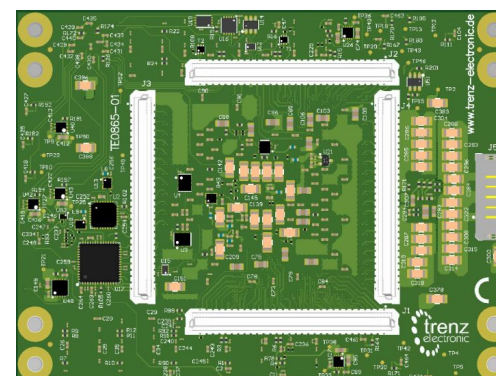
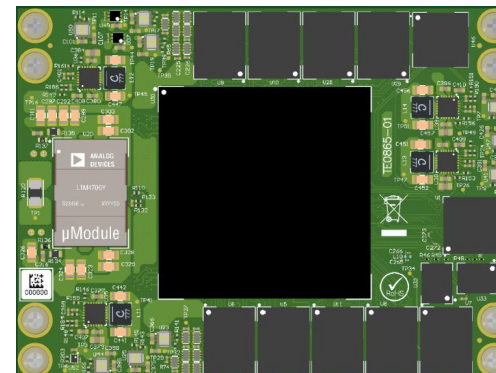
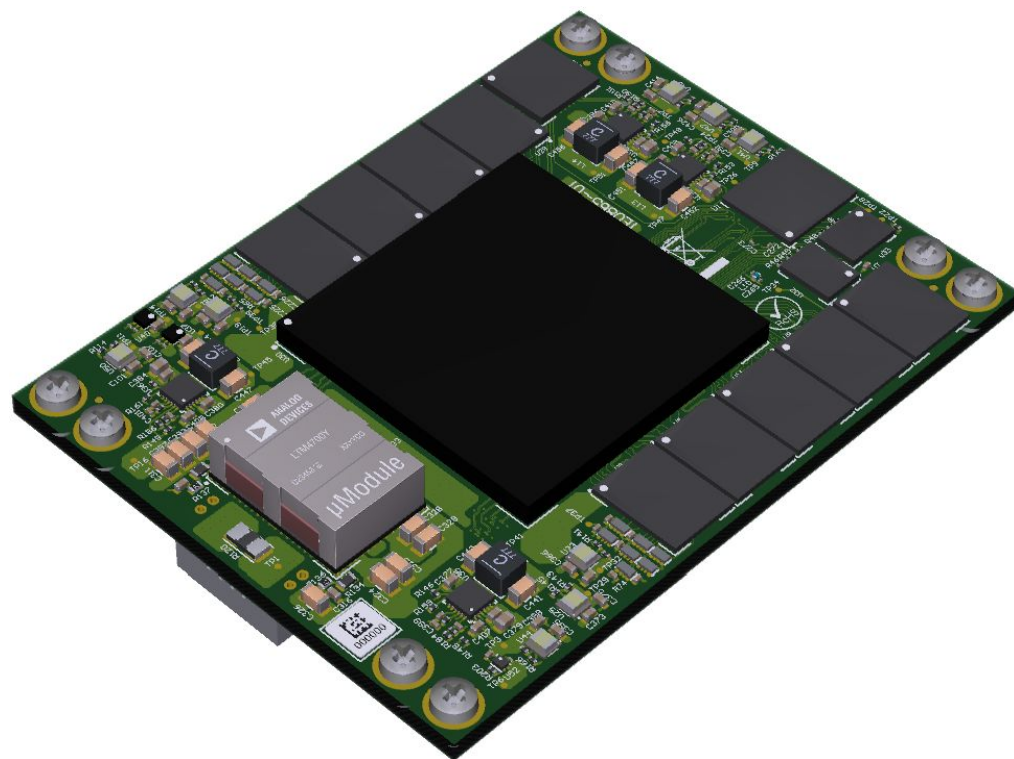
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		Title: TE0865 – SYSTEM_CONTROLLER_P2	
		A4	Rev. 01
Date: 23.04.2021		Number: 46 DGE43MA	Page 46 of 51
Filename: SC2.SchDoc		Copyright: Trenz Electronic GmbH	







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	A4	Number: 50 DGE43MA	Rev. 01
	Date: 23.04.2021	Copyright: Trenz Electronic GmbH / TT	Page 50 of 51
	Filename: Legal Notices Modules.SchDoc		

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A

A

B

B

C

C

D

D

REV	Description	
-01	Initial revision	AL
-01a	1. Changed U46: 10M08SAU169C8G -> 10M08SAU169I7G	VY

		Title: TE0865 – Revision_Changes	
		A4	Number: 51 DGE43MA
Date: 23.04.2021		Copyright: Trenz Electronic GmbH	Rev. 01
Filename: Revision_Changes.SchDoc		Page 51 of 51	

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