U_FPGA-MGT
FPGA-MGT.SchDoc

U_PWR1
PWR1.SchDoc

U_PWR2
PWR2.SchDoc

U_Clock
Clock.SchDoc

U_B2B-Connectors
B2B-Connectors.SchDoc

U_FPGA-MISC
FPGA-MISC.SchDoc

U_FPGA-PWR
FPGA-PWR.SchDoc

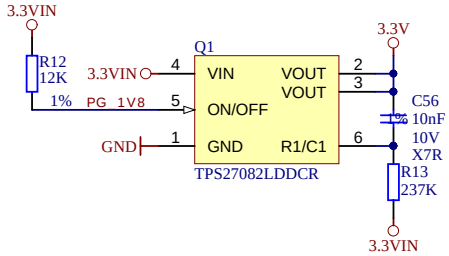
Mount.Hole 3.2mm
Mount.Hole 3.2mm
GND
GND

Mount.Hole 3.2mm
Mount.Hole 3.2mm
GND
GND

FIDU-DOT - small
FIDU-DOT - small
PM1
PM2

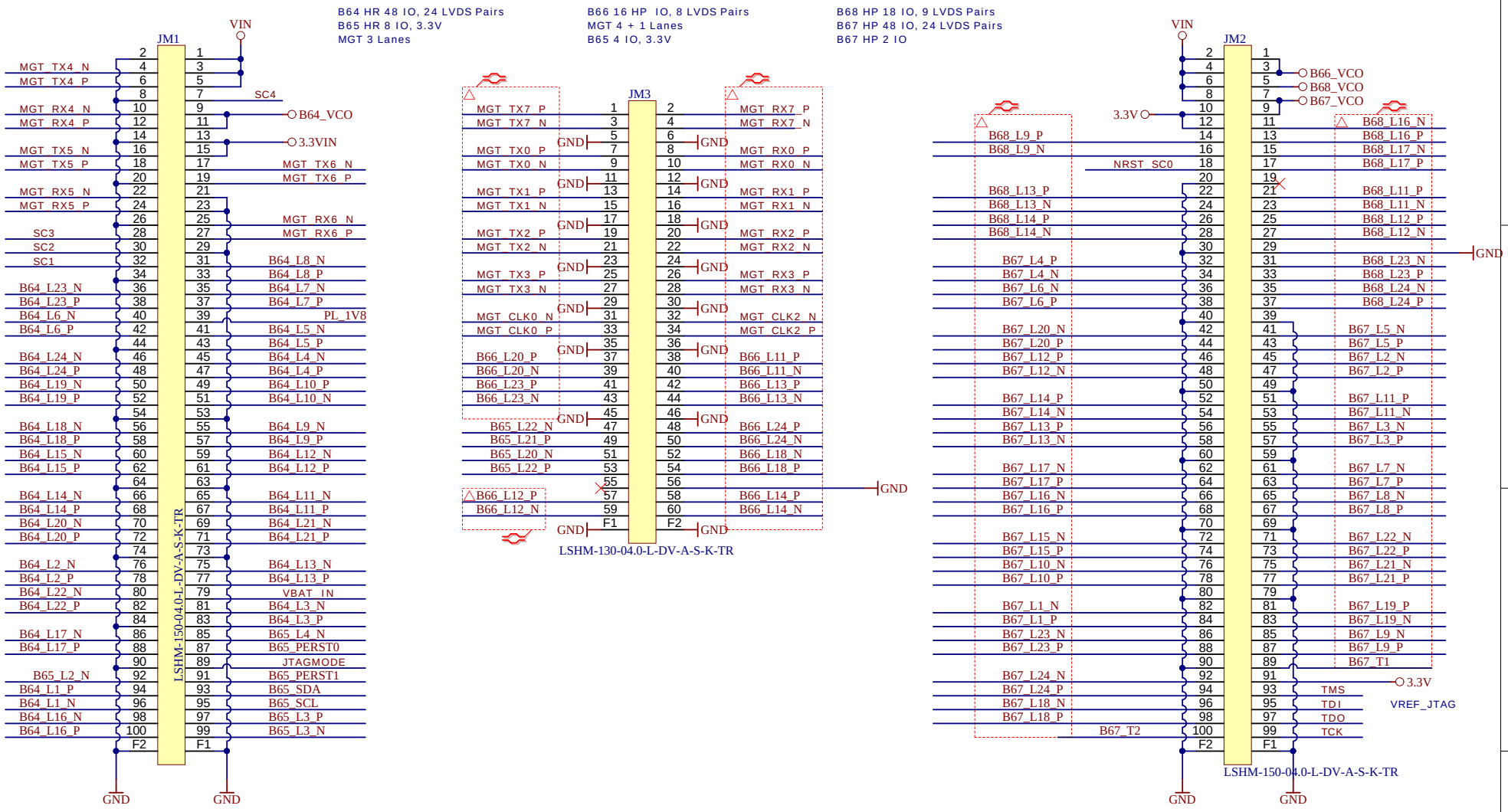
FIDU-DOT - small
FIDU-DOT - small
PM3
PM4

FIDU-DOT - small
FIDU-DOT - small
PM5
PM6

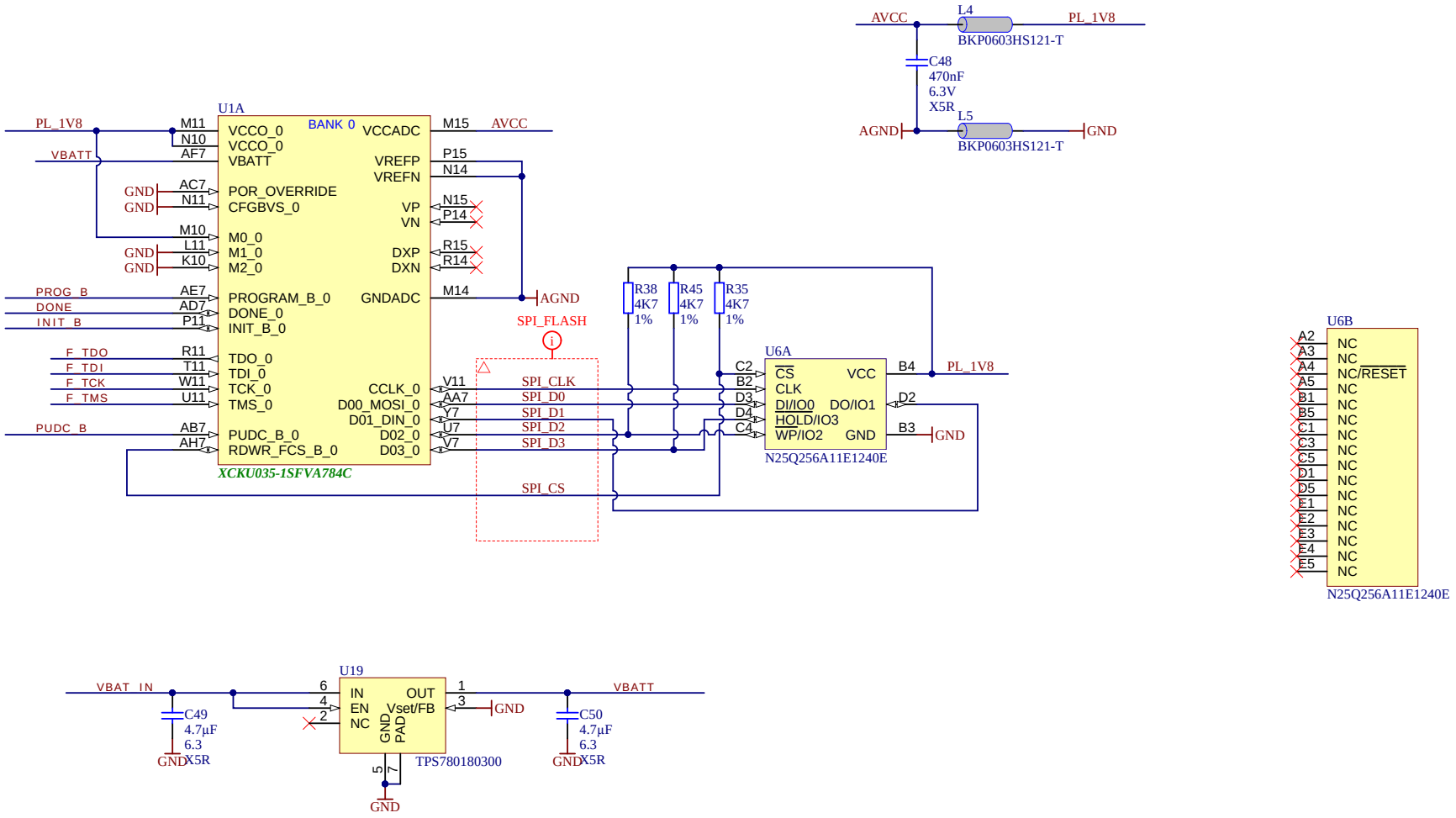


Top of Board

Title: TE0841			
A4	Number: TE0841 TE0841-01-035-1C		Rev. 01
Date: 2016-03-09	Copyright: Trenz Electronic GmbH / TT		Page1 of 22
Filename: TE0841.SchDoc			



Title: TE0841			
A4	Number: TE0841 TE0841-01-035-1C		Rev. 01
Date: 2016-03-09	Copyright: Trenz Electronic GmbH / TT		Page2 of 22
Filename: B2B-Connectors.SchDoc			



trenz electronic	Title: TE0841		
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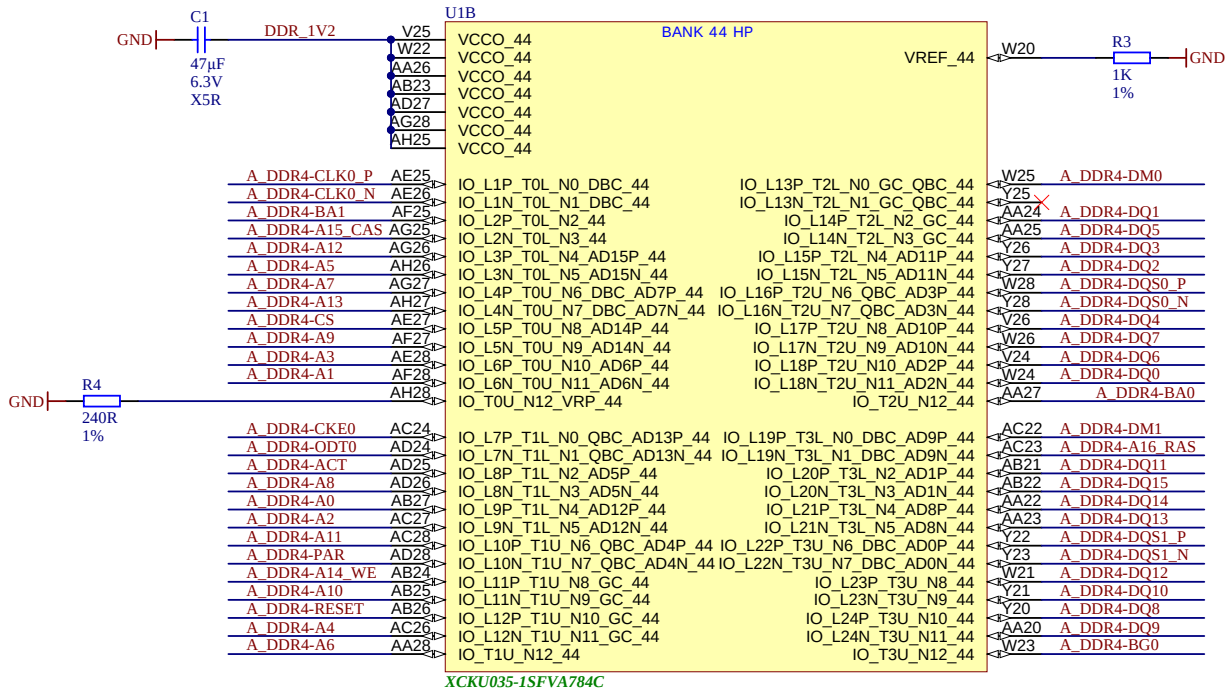
	Date: 2016-03-09	Copyright: Trenz Electronic GmbH / TT	Page3 of 22
	Filename: FPGA-MISC.SchDoc		



trenz electronic	Title: TE0841		
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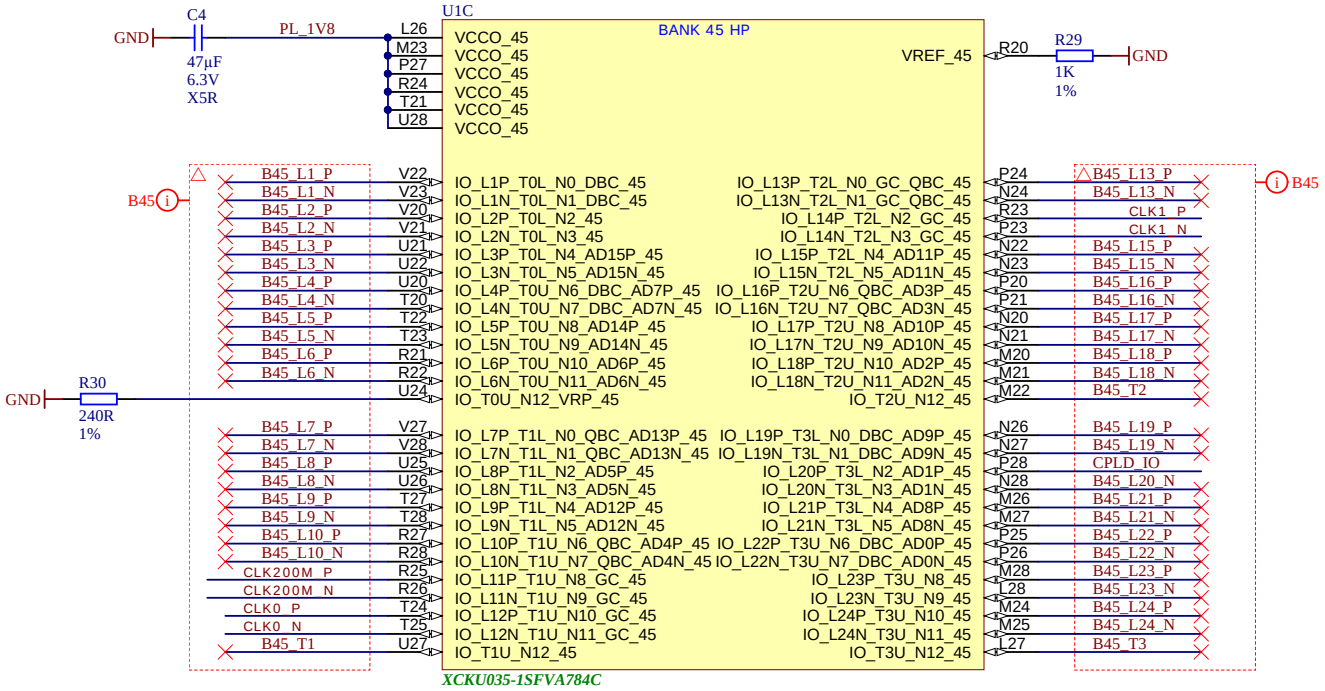
	Date: 2016-03-09	Copyright: Trenz Electronic GmbH / TT	Page4 of 22
	Filename: FPGA-B44.SchDoc		



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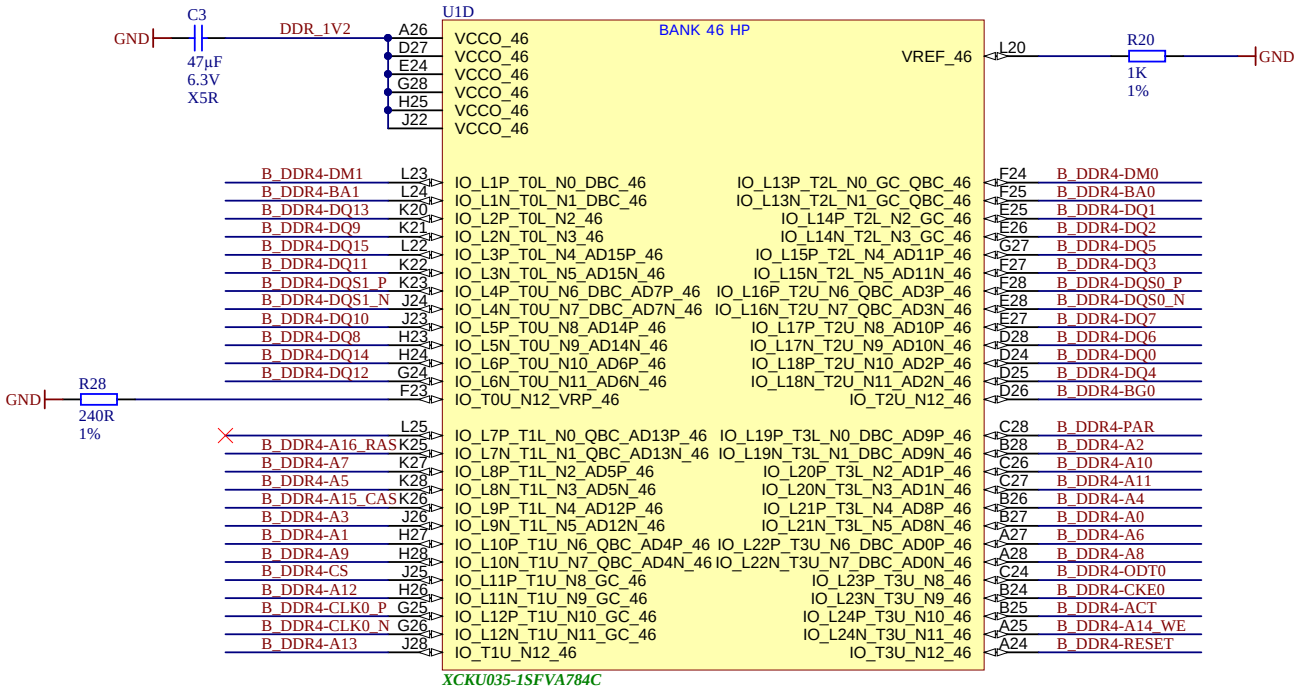
Date: 2016-03-09	Copyright: Trenz Electronic GmbH / TT		Page5 of 22
Filename: FPGA-B45.SchDoc			



trenz electronic	Title: TE0841		
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	Date: 2016-03-09	Copyright: Trenz Electronic GmbH / TT	Page6 of 22
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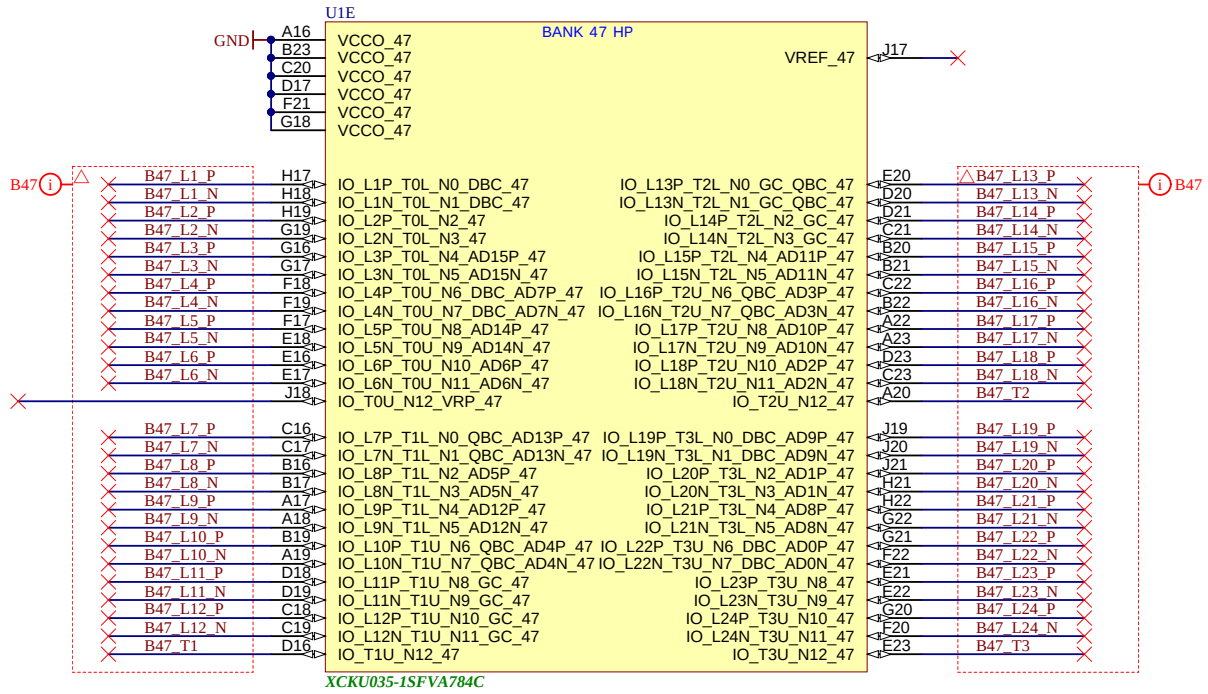

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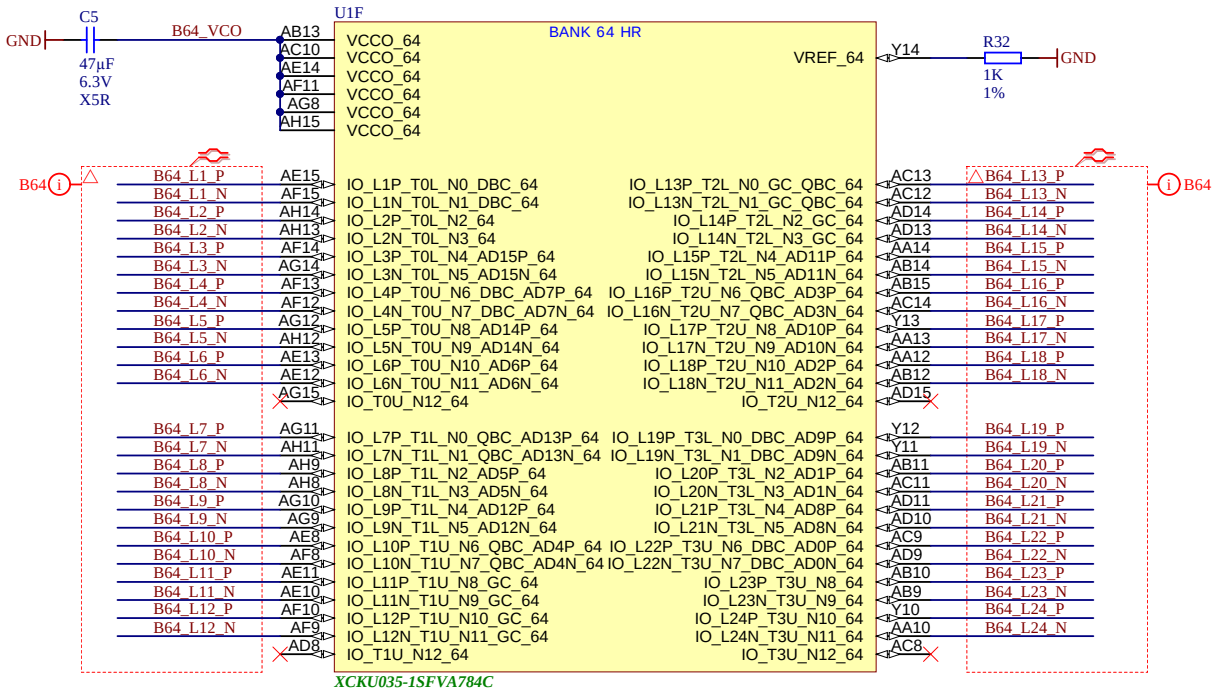
Date: 2016-03-09	Copyright: Trenz Electronic GmbH / TT		Page7 of 22
Filename: FPGA-B47.SchDoc			



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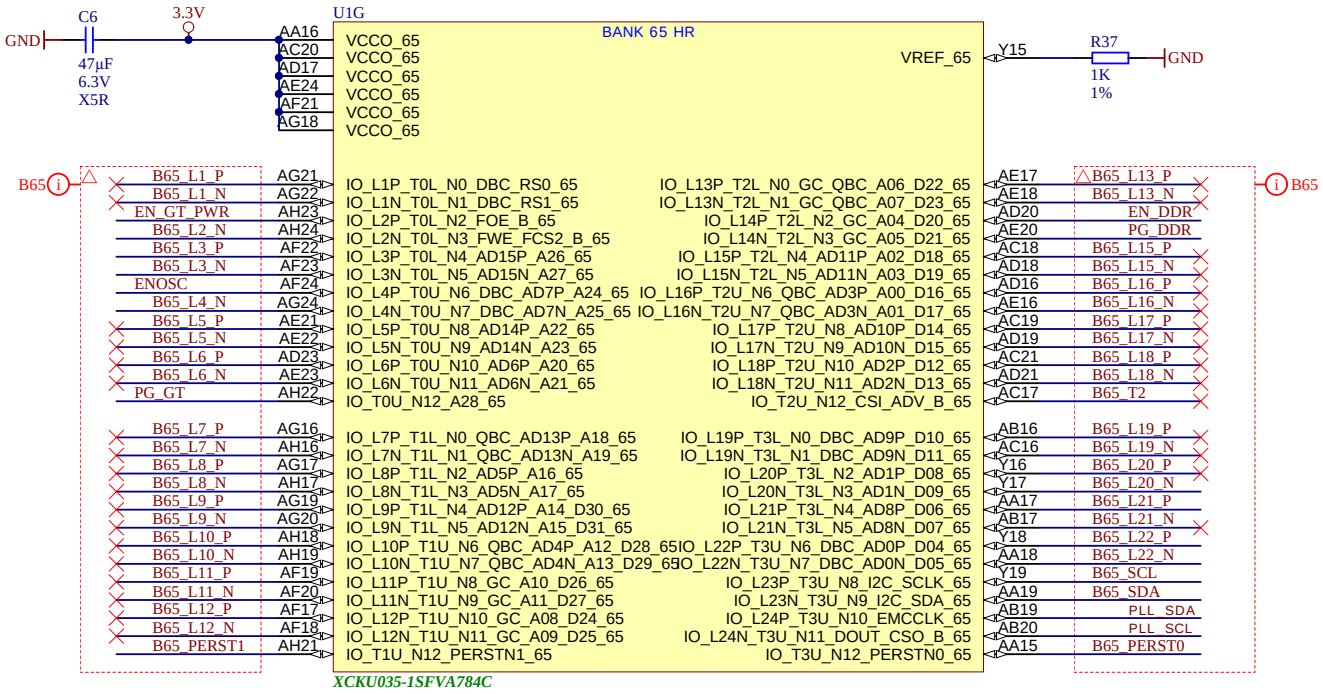
Date: 2016-03-09	Copyright: Trenz Electronic GmbH / TT		Page8 of 22
Filename: FPGA-B64.SchDoc			



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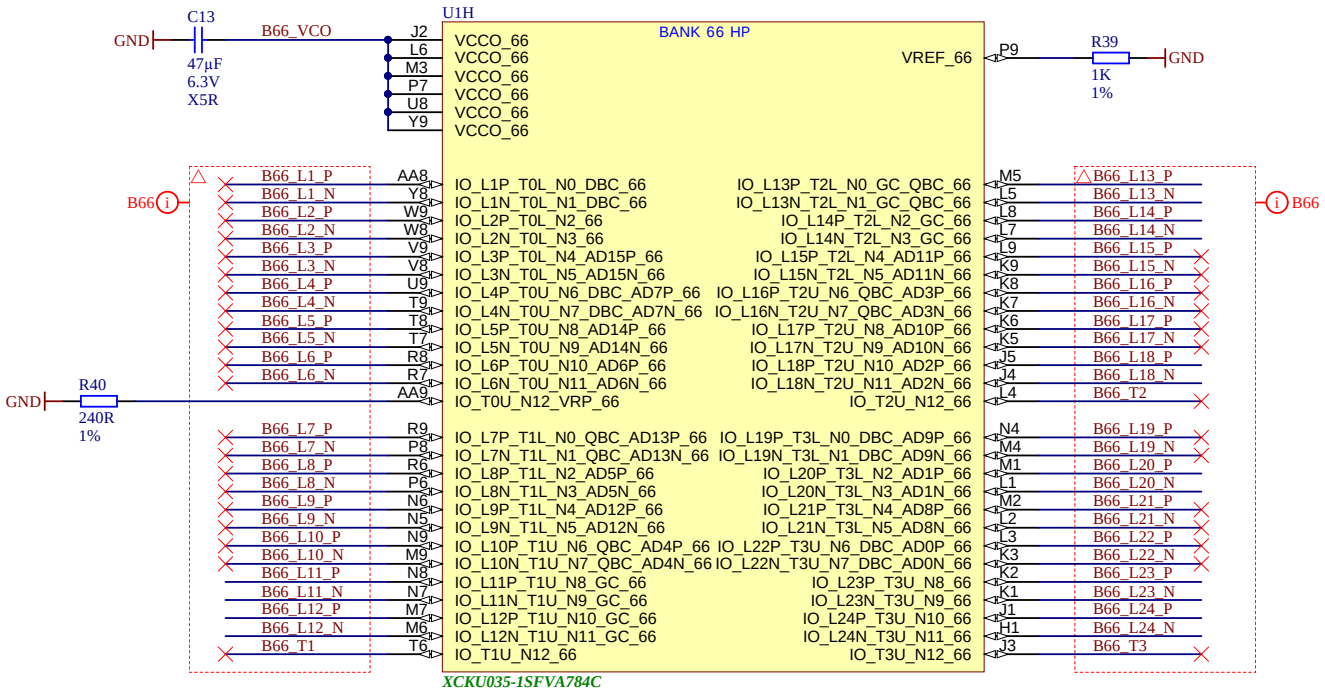
Rev.	01
Date: 2016-03-09	Copyright: Trenz Electronic GmbH / TT
Page9 of 22	
Filename:	FPGA-B65.SchDoc



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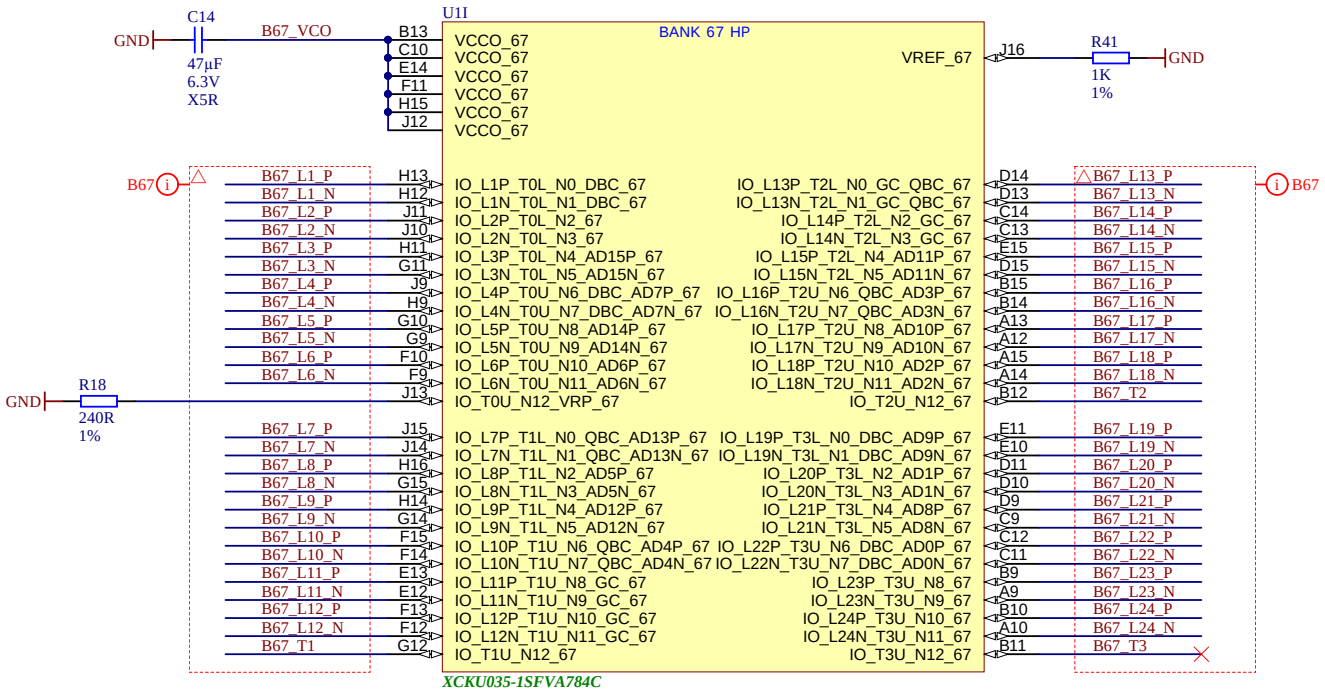
Date: 2016-03-09	Copyright: Trenz Electronic GmbH / TT		Page10 of 22
Filename: FPGA-B66.SchDoc			



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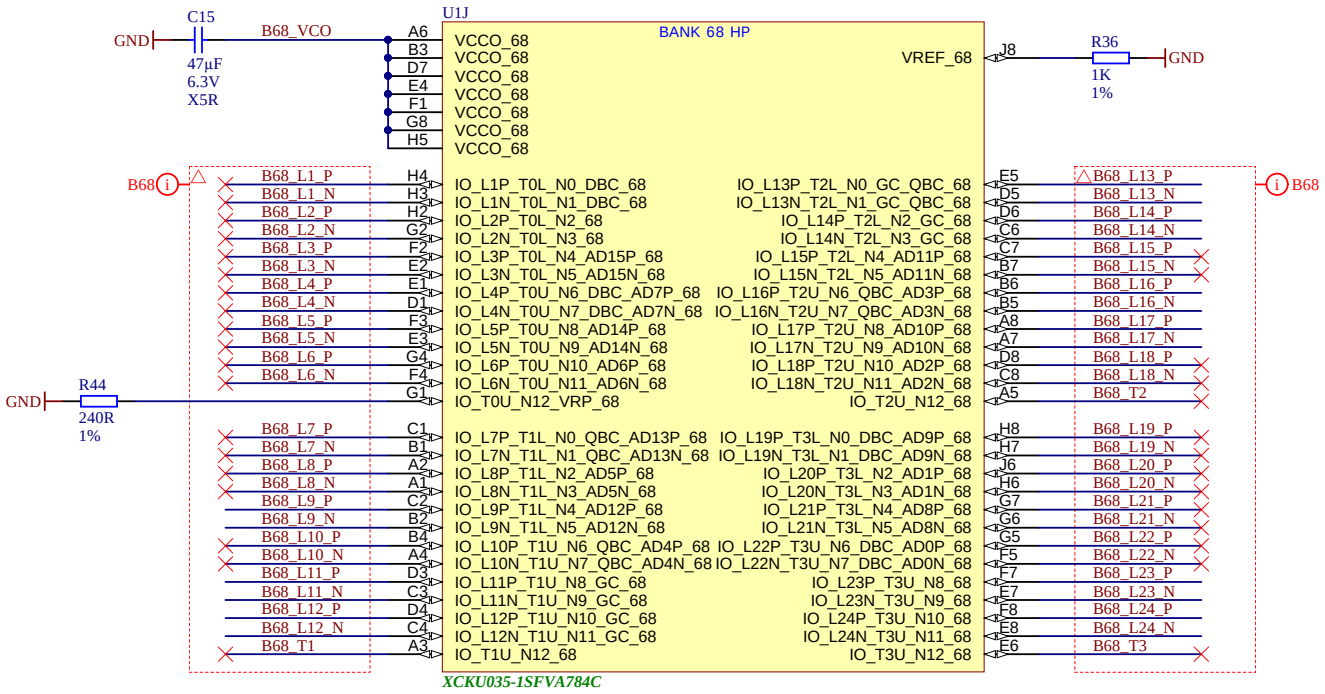
	Date: 2016-03-09	Copyright: Trenz Electronic GmbH / TT	Page11 of 22
	Filename: FPGA-B67.SchDoc		



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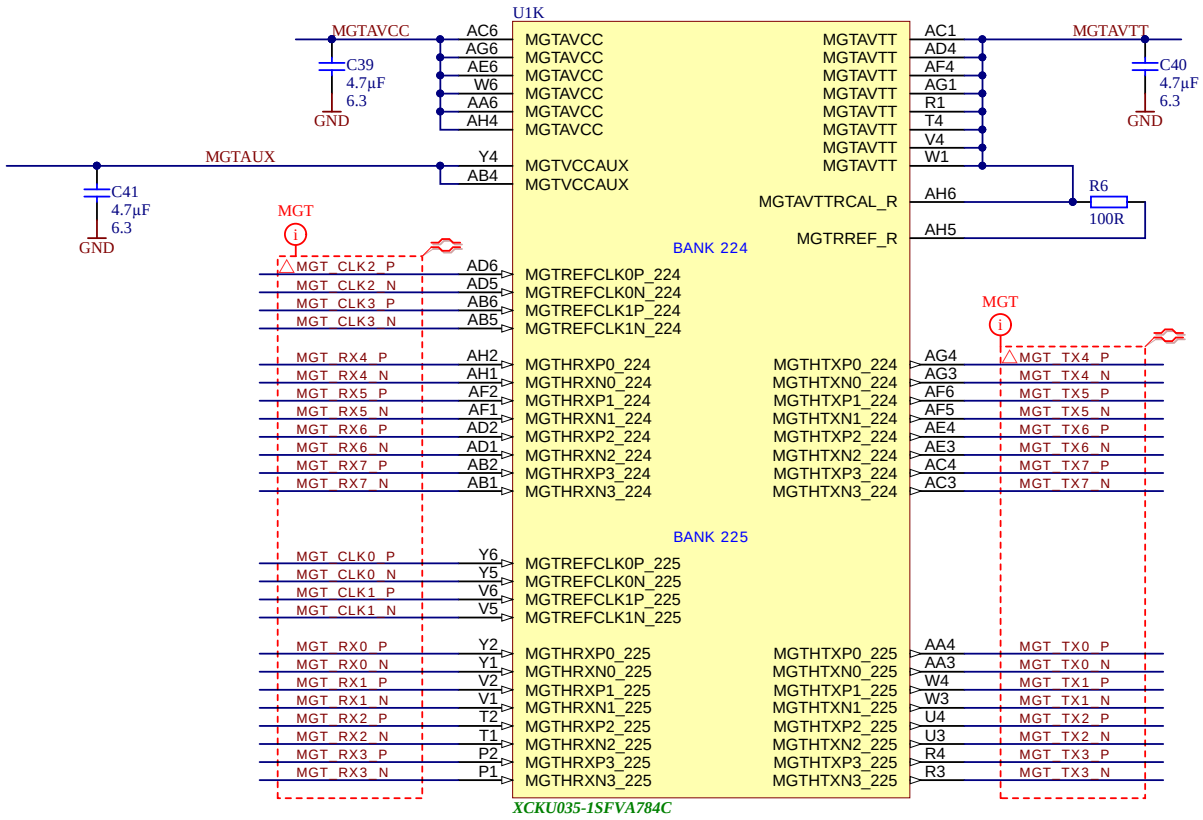
Date: 2016-03-09	Copyright: Trenz Electronic GmbH / TT		Page12 of 22
Filename: FPGA-B68.SchDoc			



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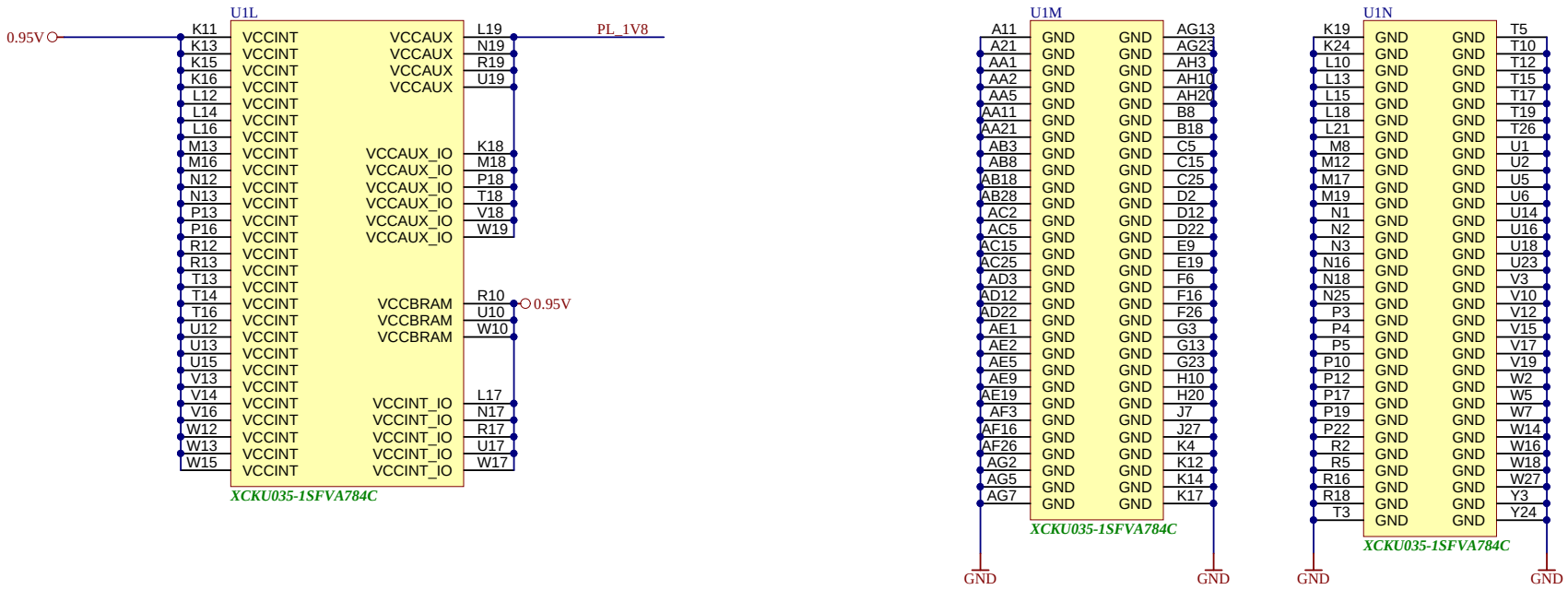
	Date: 2016-03-09	Copyright: Trenz Electronic GmbH / TT	Page13 of 22
	Filename: FPGA-MGT.SchDoc		



trenz electronic	Title: TE0841		
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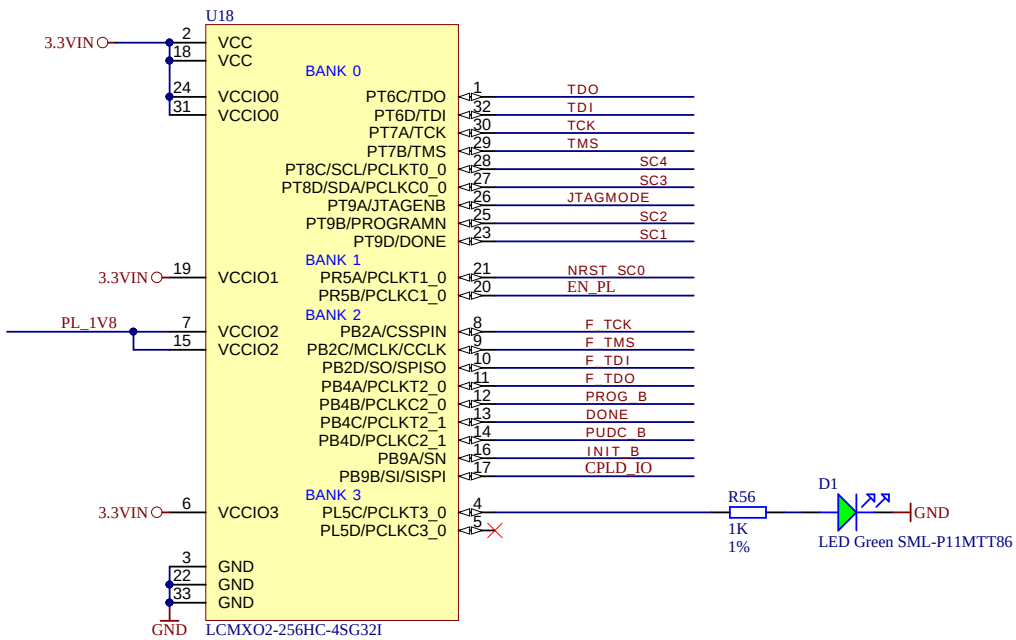
	Date: 2016-03-09	Copyright: Trenz Electronic GmbH / TT	Page14 of 22
	Filename: FPGA-PWR.SchDoc		



trenz electronic	Title: TE0808		
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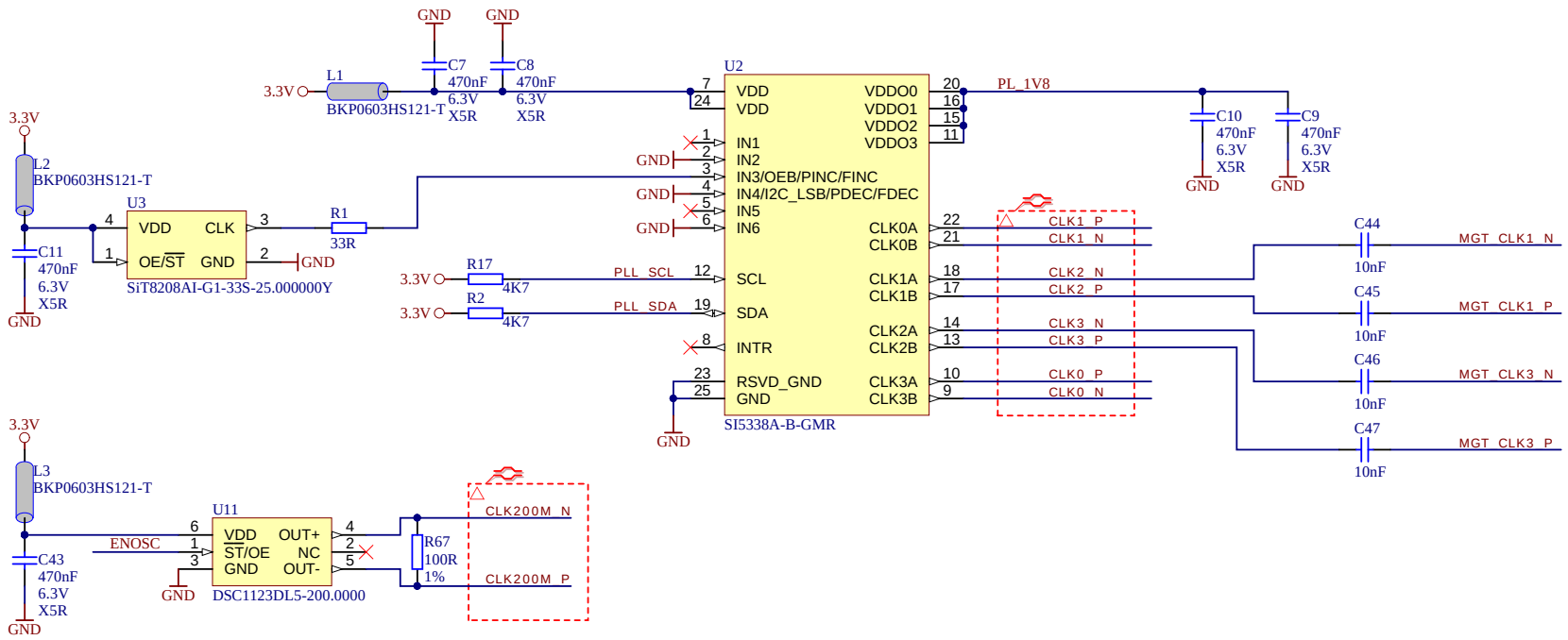
	Date: 2016-03-09	Copyright: Trenz Electronic GmbH / TT	Page15 of 22
	Filename: CPLD.SchDoc		



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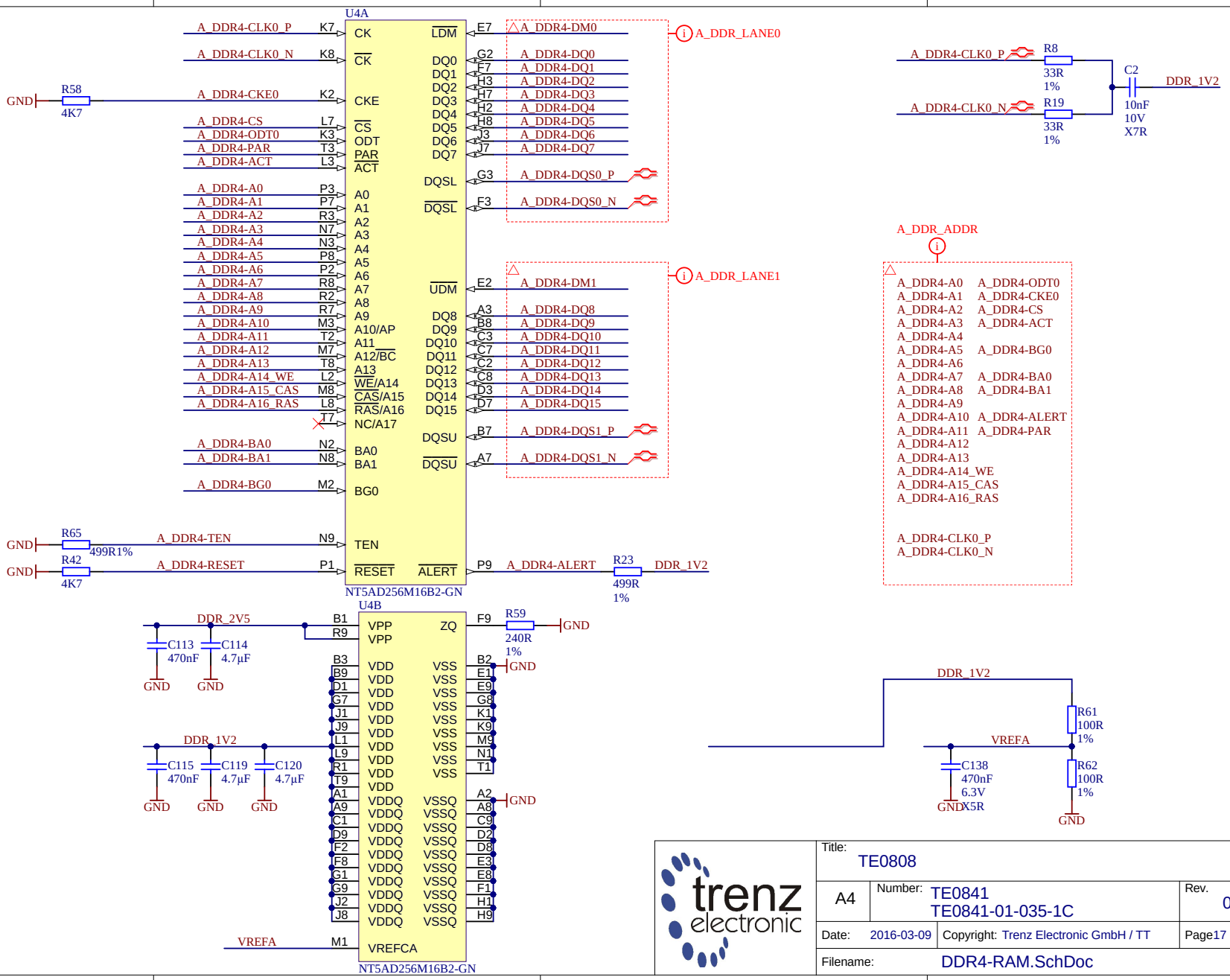
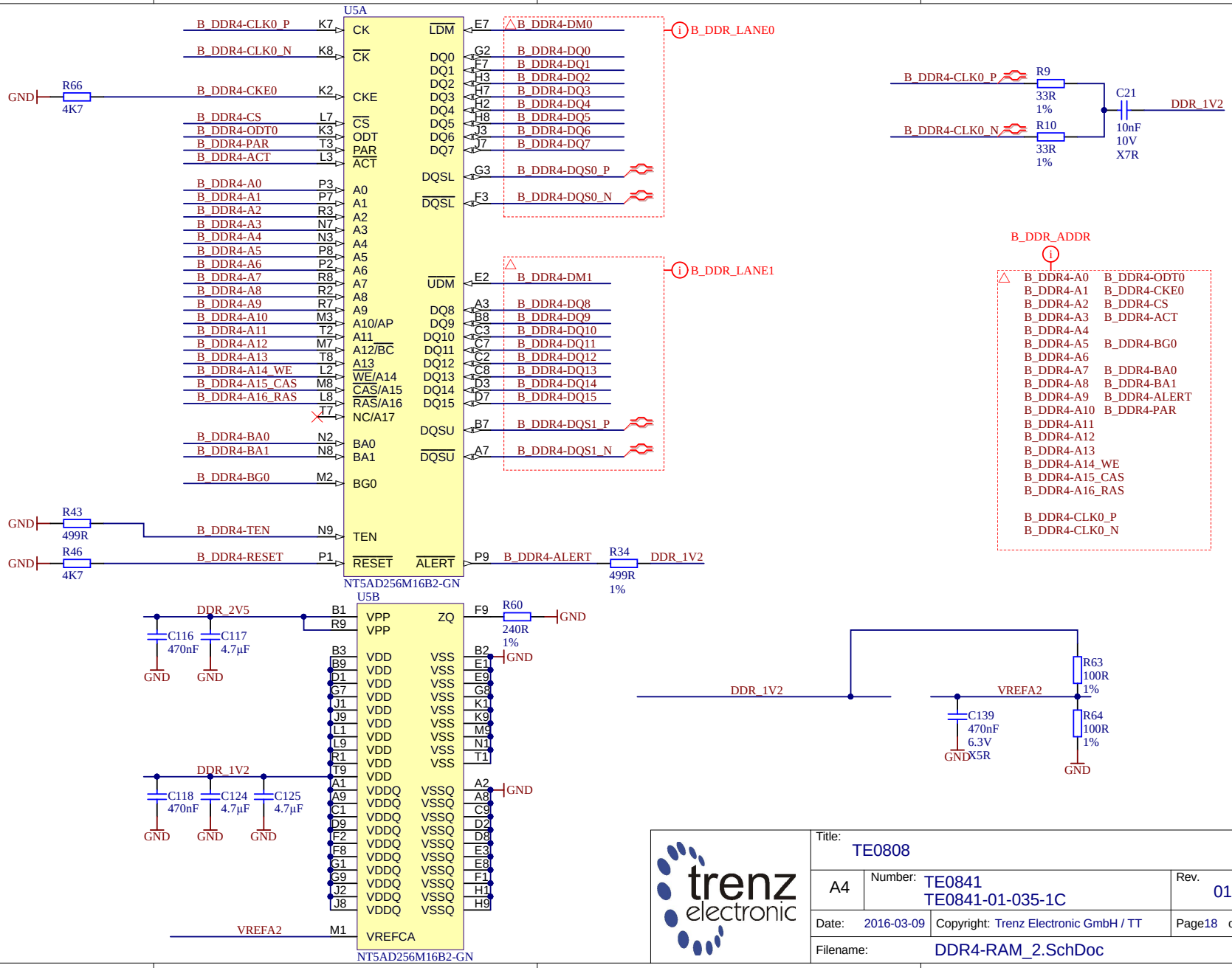
	Date: 2016-03-09	Copyright: Trenz Electronic GmbH / TT	Page16 of 22
	Filename: Clock.SchDoc		



Title: TE0808			
A4	Number: TE0841 TE0841-01-035-1C		Rev. 01
Date: 2016-03-09	Copyright: Trenz Electronic GmbH / TT		Page17 of 22
Filename: DDR4-RAM.SchDoc			


U5A
B_DDR4-CLK0_P
B_DDR4-CLK0_N
B_DDR4-CKE0
B_DDR4-CS
B_DDR4-ODT0
B_DDR4-PAR
B_DDR4-ACT
B_DDR4-A0
B_DDR4-A1
B_DDR4-A2
B_DDR4-A3
B_DDR4-A4
B_DDR4-A5
B_DDR4-A6
B_DDR4-A7
B_DDR4-A8
B_DDR4-A9
B_DDR4-A10
B_DDR4-A11
B_DDR4-A12
B_DDR4-A13
B_DDR4-A14_WE
B_DDR4-A15_CAS
B_DDR4-A16_RAS
B_DDR4-BA0
B_DDR4-BA1
B_DDR4-BG0
B_DDR4-TEN
B_DDR4-RESET
B_DDR4-ALERT
B_DDR4-DM0
B_DDR4-DM1
B_DDR4-DQ0
B_DDR4-DQ1
B_DDR4-DQ2
B_DDR4-DQ3
B_DDR4-DQ4
B_DDR4-DQ5
B_DDR4-DQ6
B_DDR4-DQ7
B_DDR4-DQS0_P
B_DDR4-DQS0_N
B_DDR4-DQ8
B_DDR4-DQ9
B_DDR4-DQ10
B_DDR4-DQ11
B_DDR4-DQ12
B_DDR4-DQ13
B_DDR4-DQ14
B_DDR4-DQ15
B_DDR4-DQS1_P
B_DDR4-DQS1_N
B_DDR_LANE0
B_DDR_LANE1
NT5AD256M16B2-GN
U5B
NT5AD256M16B2-GN
R66
4K7
R43
499R
R46
4K7
R34
499R
1%
R60
240R
1%
R9
33R
1%
R10
33R
1%
C21
10nF
10V
X7R
DDR_1V2
B_DDR_ADDR
B_DDR4-ODT0
B_DDR4-CKE0
B_DDR4-CS
B_DDR4-ACT
B_DDR4-BG0
B_DDR4-BA0
B_DDR4-BA1
B_DDR4-ALERT
B_DDR4-PAR
B_DDR4-CLK0_P
B_DDR4-CLK0_N
DDR_2V5
C116
470nF
C117
4.7µF
C118
470nF
C124
4.7µF
C125
4.7µF
VREFA2
R63
100R
1%
R64
100R
1%
C139
470nF
6.3V
X5R
GND
Title:
TE0808
A4
Number:
TE0841
TE0841-01-035-1C
Rev.
01
Date:
2016-03-09
Copyright:
Trenz Electronic GmbH / TT
Page18 of 22
Filename:
DDR4-RAM_2.SchDoc
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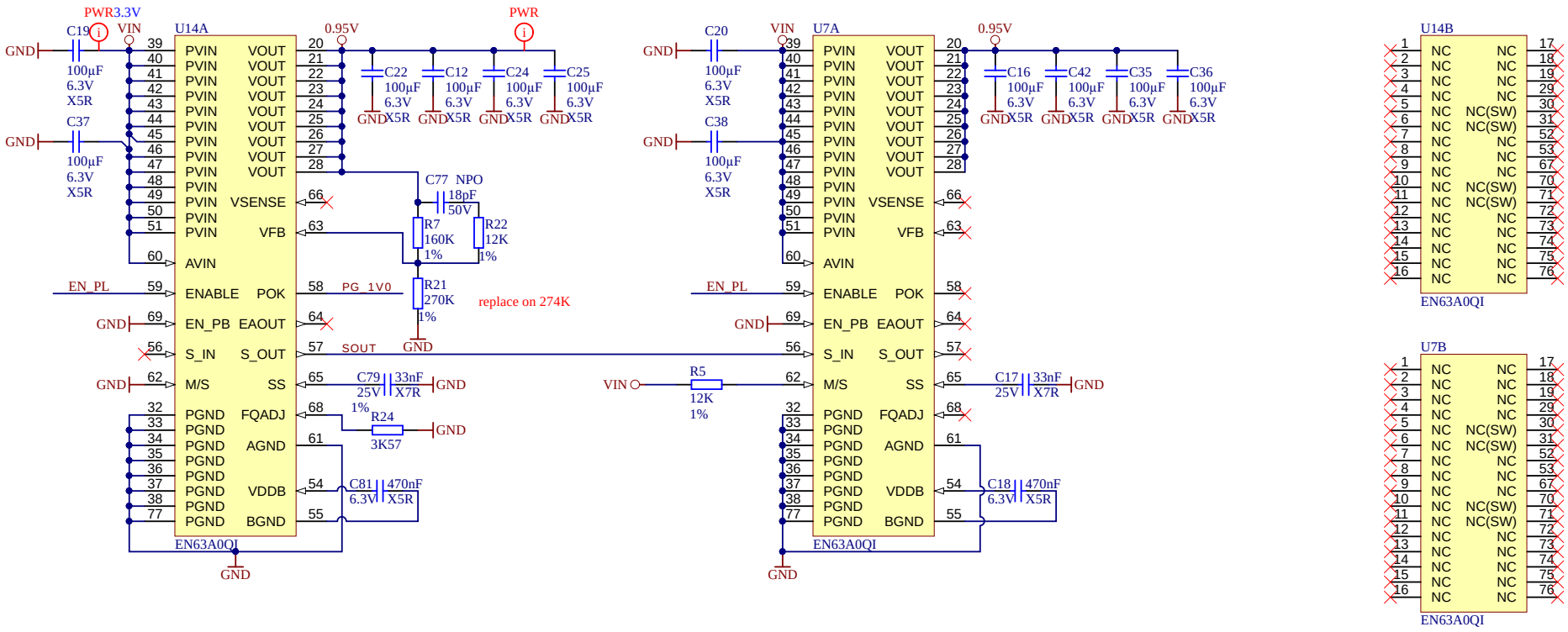

trenz electronic	Title: TE0841		
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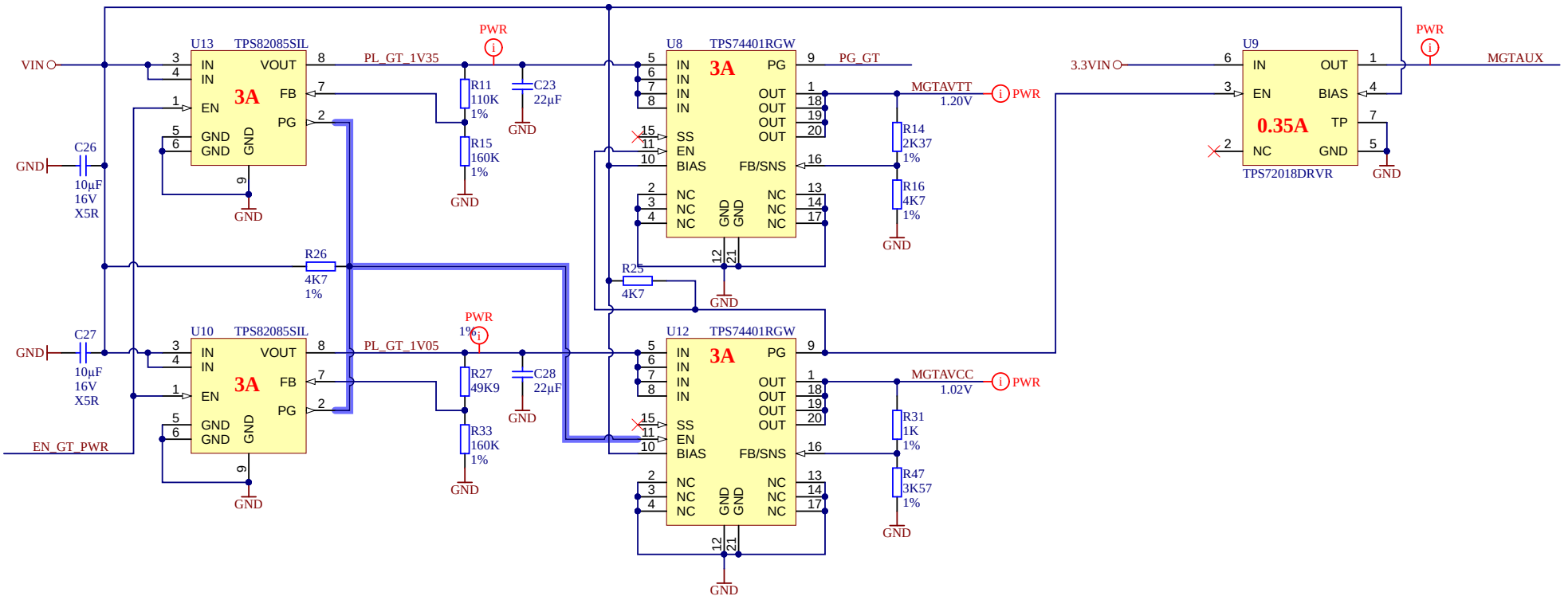
	Date: 2016-03-09	Copyright: Trenz Electronic GmbH / TT	Page19 of 22
	Filename: PWR1.SchDoc		



trenz electronic	Title: TE0841		
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	Date: 2016-03-09	Copyright: Trenz Electronic GmbH / TT	Page20 of 22
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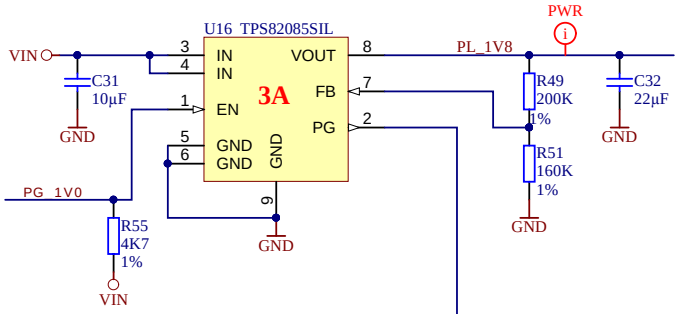

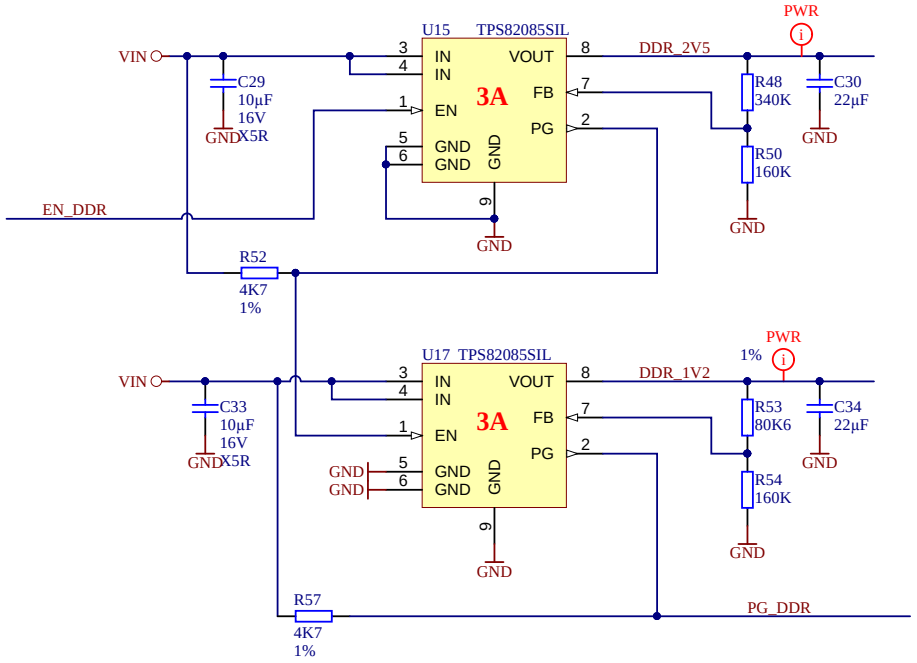

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Title: TE0808			
A4	Number: TE0841 TE0841-01-035-1C		Rev. 01
Date: 2016-03-09	Copyright: Trenz Electronic GmbH / TT		Page21 of 22
Filename: POWER_2.SchDoc			

CHANGES REV01 TO REV01A (08.16.2017):

1) U1: changed schematic symbol. Next pins swapped to mach same polarity order:
-- AE13 (IO_L6P_T0U_N10_AD6P_64)/AE12 (IO_L6N_T0U_N11_AD6N_64)
-- J5 (IO_L18P_T2U_N10_AD2P_66)/J4 (IO_L18N_T2U_N11_AD2N_66)

2) Net names changed (no electrical changes):
JM1: swapped signals B64_L6:
-- B64_L6_N - pin 40 (was pin 42)
-- B64_L6_P - pin 42 (was pin 40)
JM3: swapped signals B64_L6:
-- B66_L18_N - pin 52 (was pin 54)
-- B66_L18_P - pin 54 (was pin 52)

trenz electronic	Title: TE0808 - Changes list		
	A4	Number: TE0841 TE0841-01-035-1C	Rev. 01
	Date: 2017-08-16	Copyright: Trenz Electronic GmbH	Page22 of 22
	Filename: Revision_Changes.SchDoc		