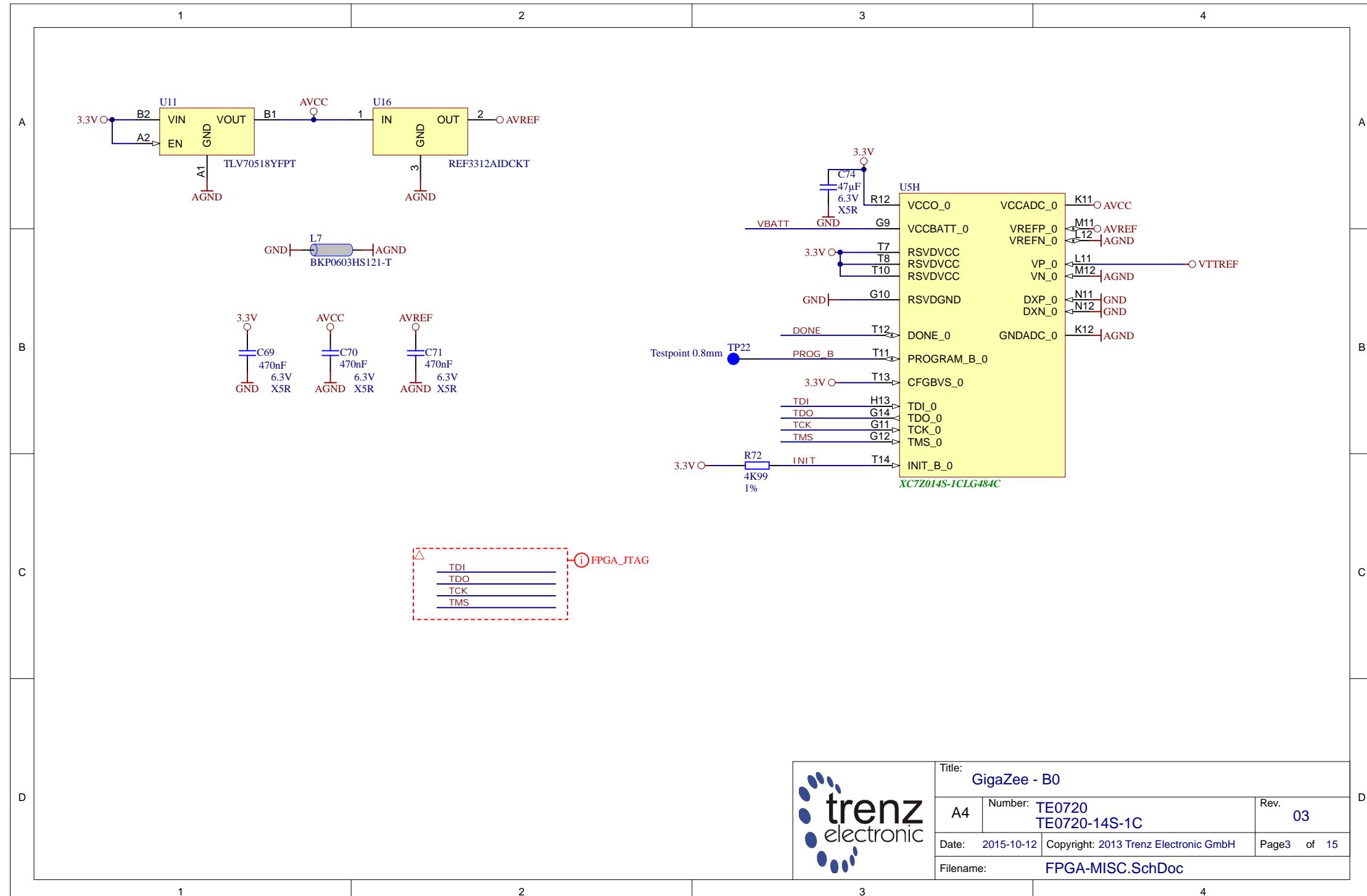
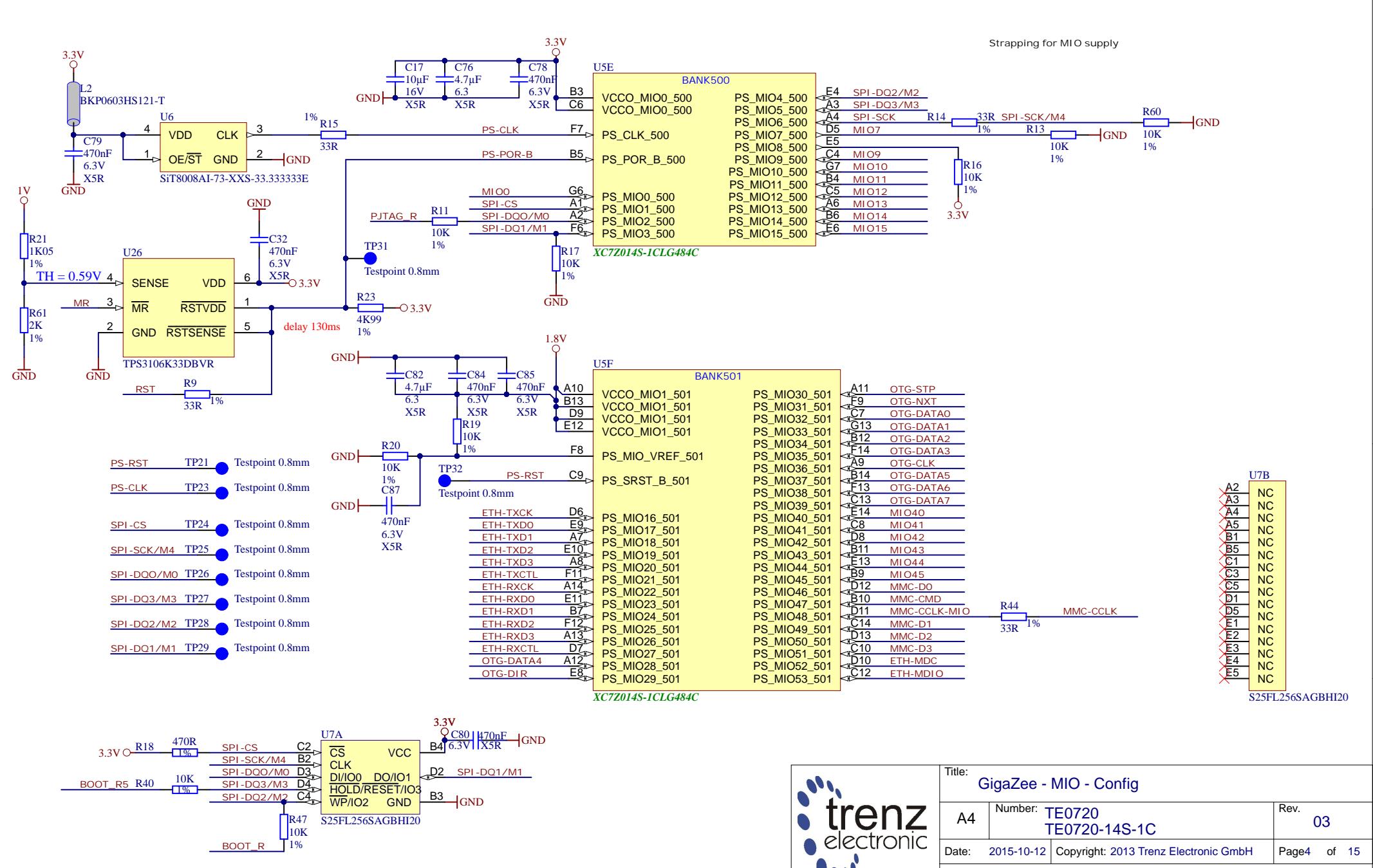


Title: GigaZee - FPGA Power		Rev. 03
A4	Number: TE0720 TE0720-14S-1C	
Date: 2015-10-12	Copyright: 2013 Trenz Electronic GmbH	Page 2 of 15
Filename: FPGA-PWR.SchDoc		

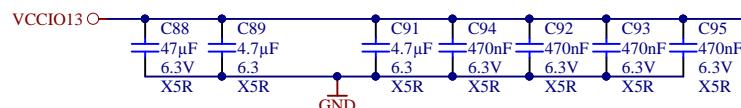


1 2 3 4



1 2 3 4

A



B

B13 i

U5A

BANK13

VCCO_13
VCCO_13
VCCO_13
VCCO_13
VCCO_13
VCCO_13
T5
U8
V11
VCCO_13
VCCO_13
W4
Y7
AA10
VCCO_13
AB3
VCCO_13

IO_L10P_T1_13
IO_L10N_T1_13
IO_L11P_T1_SRCC_13
IO_L11N_T1_SRCC_13
IO_L12P_T1_MRCC_13
IO_L12N_T1_MRCC_13
IO_L13P_T2_MRCC_13
IO_L13N_T2_MRCC_13
IO_L14P_T2_SRCC_13
IO_L14N_T2_SRCC_13
IO_L15P_T2_DQS_13
IO_L15N_T2_DQS_13
IO_L16P_T2_13
IO_L16N_T2_13
IO_L17P_T2_13
IO_L17N_T2_13
IO_L18P_T2_13
IO_L18N_T2_13
IO_L19P_T3_13
IO_L19N_T3_VREF_13
IO_L20P_T3_13
IO_L20N_T3_13
IO_L21P_T3_DQS_13
IO_L21N_T3_DQS_13
IO_L22P_T3_13
IO_L22N_T3_13
IO_L23P_T3_13
IO_L23N_T3_13
IO_L24P_T3_13
IO_L24N_T3_13

i B13

XC7Z014S-ICLG484C

C

D



Title: GigaZee - B13

A4 Number: TE0720
TE0720-14S-1C

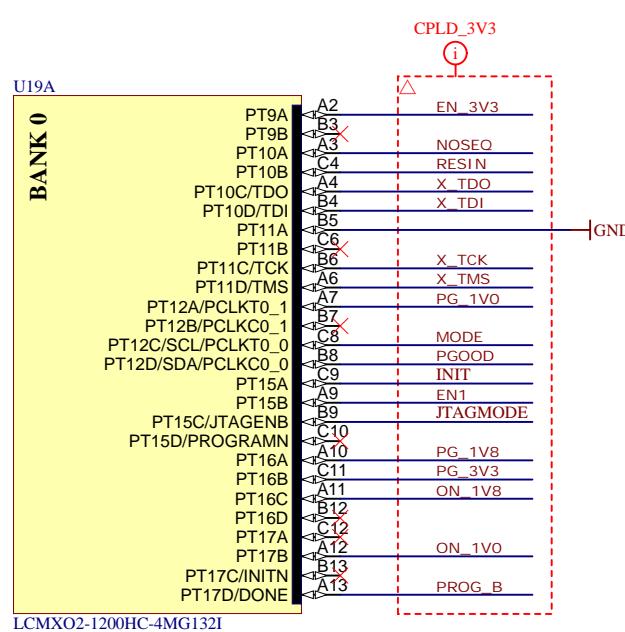
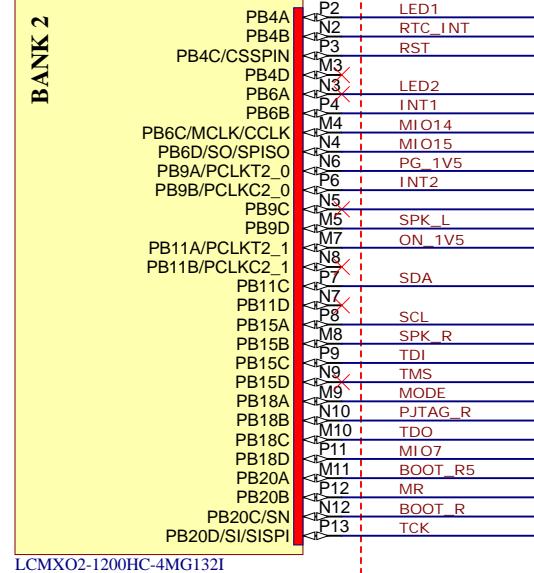
Rev. 03

Date: 2015-10-12 Copyright: 2013 Trenz Electronic GmbH

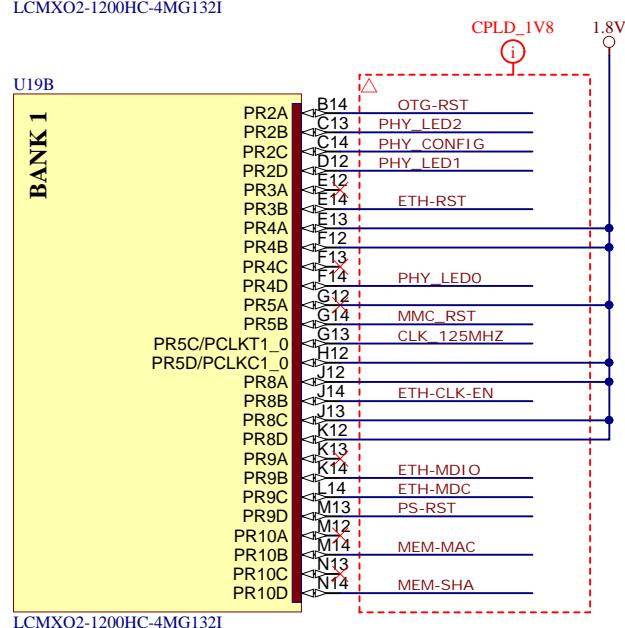
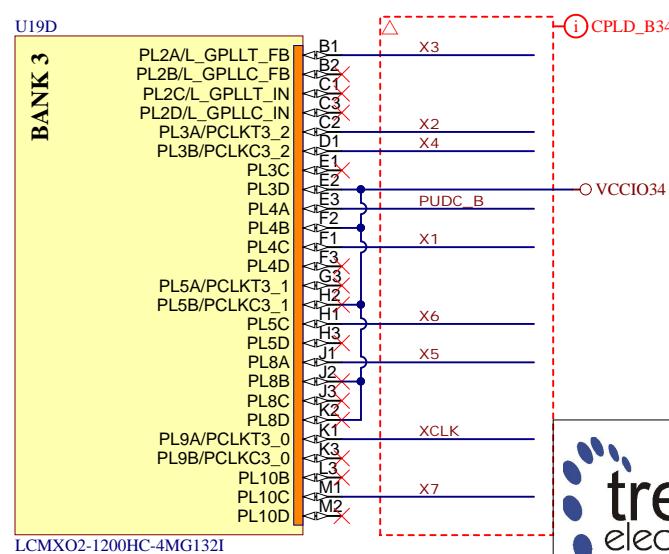
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Filename: B13.SchDoc

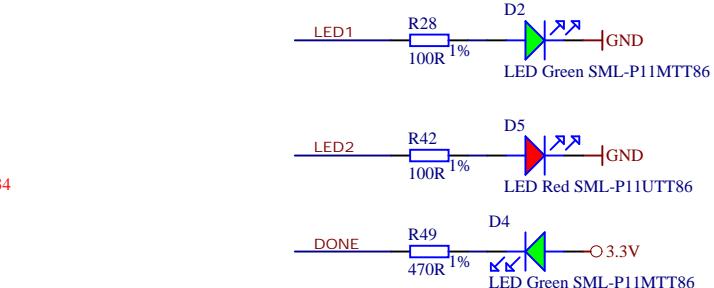
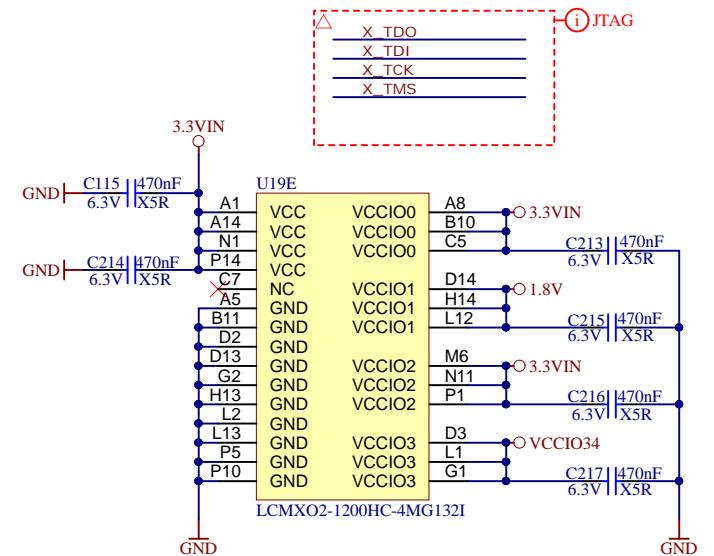
A

**BANK 2**

B

**BANK 3**

D



Title: GigaZee - System Controller

A4 | Number: TE0720
TE0720-14S-1C

Rev. 03

Date: 2015-10-12 | Copyright: 2013 Trenz Electronic GmbH

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Filename: SystemController.SchDoc



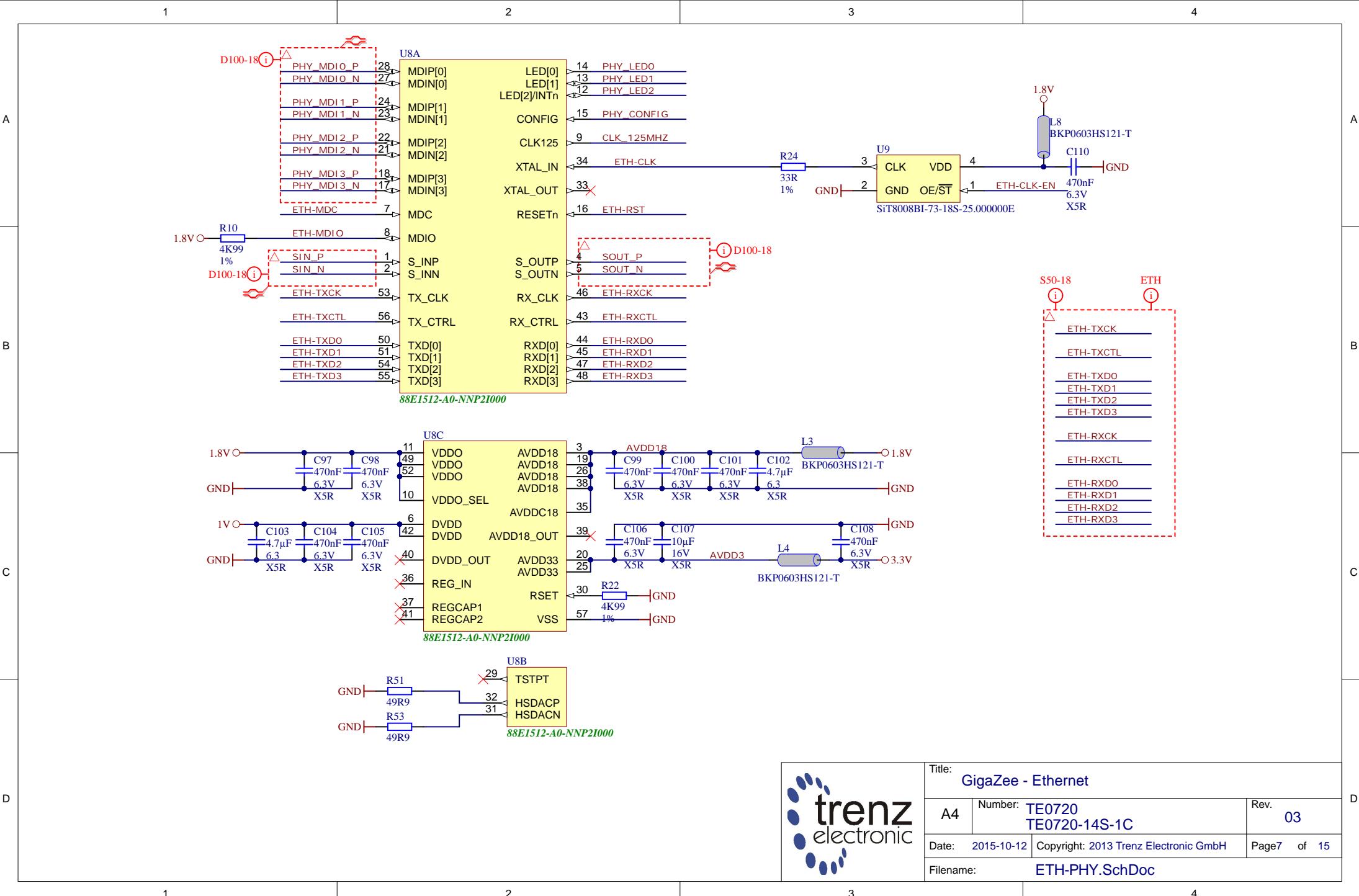
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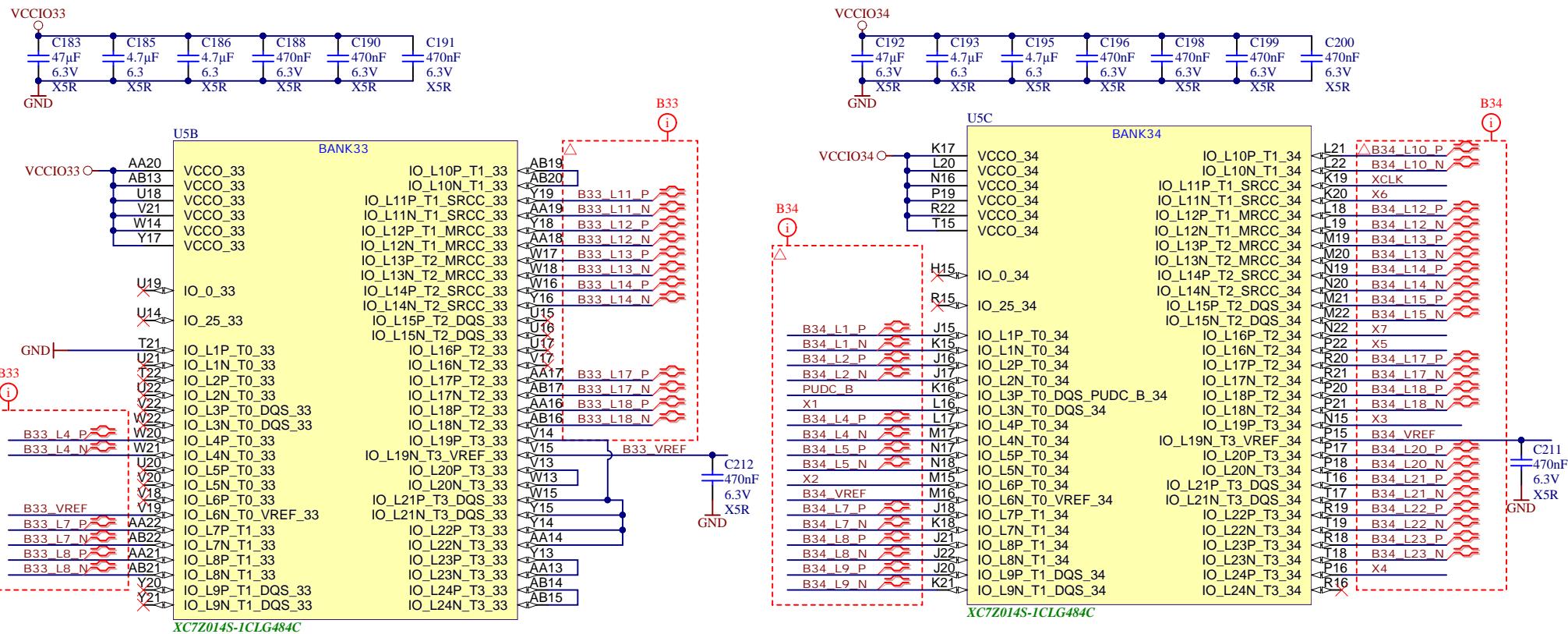
B

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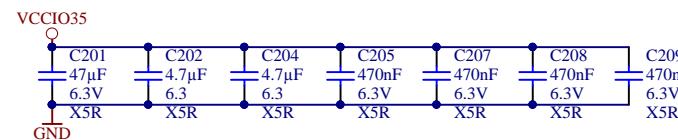
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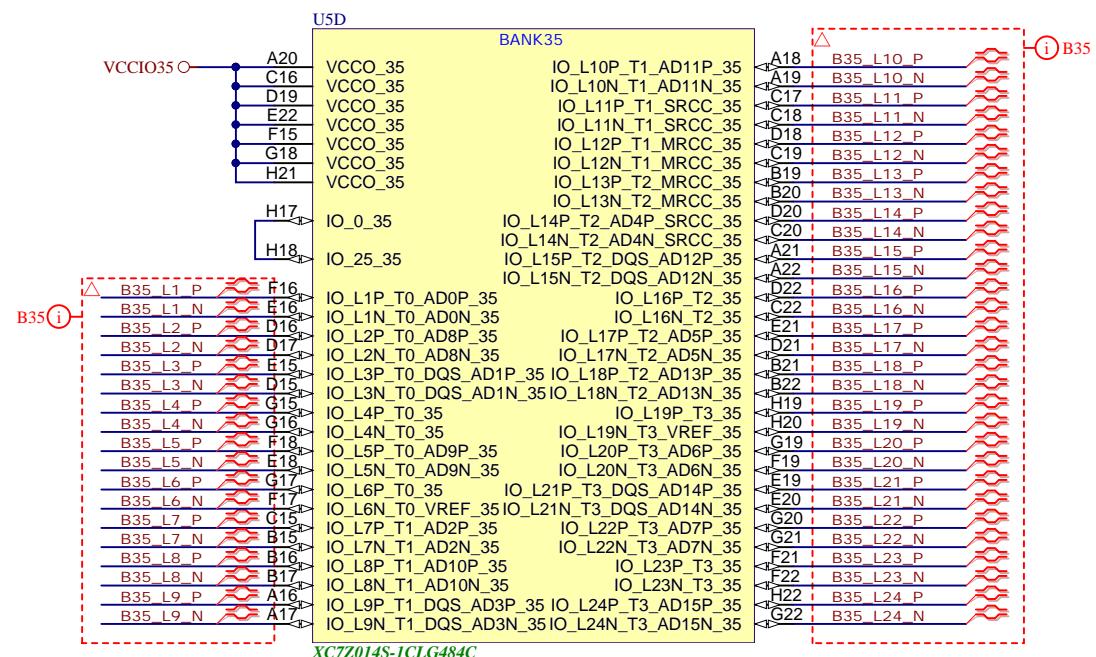


Title:		GigaZee - B33 - B34	
A4	Number:	TE0720 TE0720-14S-1C	Rev. 03
Date:	2015-10-12	Copyright: 2013 Trenz Electronic GmbH	Page 8 of 15
Filename:		B33-B34.SchDoc	

A



B



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Title: GigaZee - B35

A4 Number: TE0720
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Date: 2015-10-12 Copyright: 2013 Trenz Electronic GmbH

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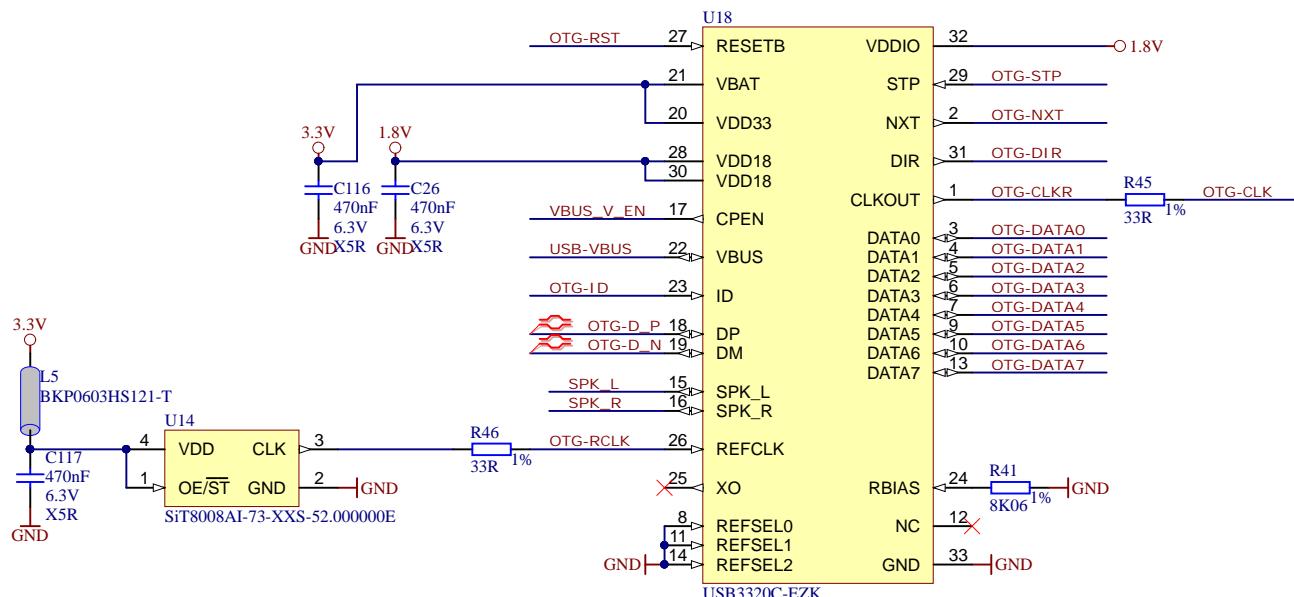
Filename: B35.SchDoc

A

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D



Title: GigaZee - USB

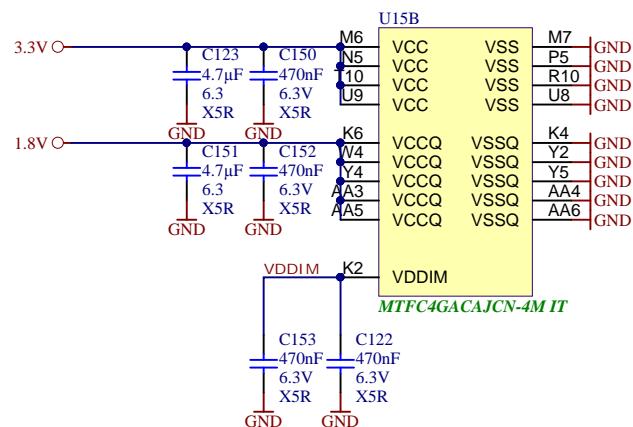
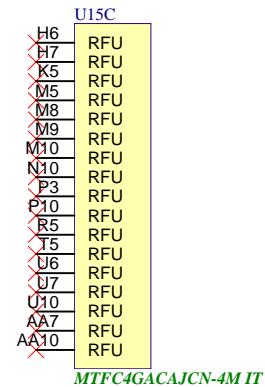
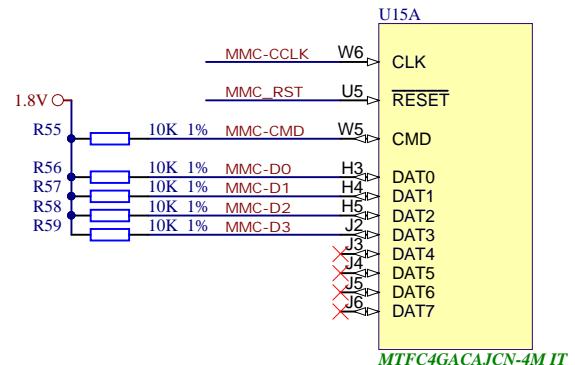
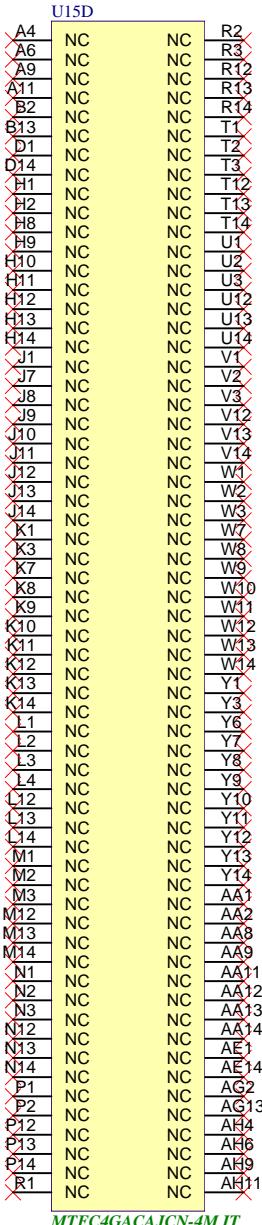
A4 | Number: TE0720
TE0720-14S-1C

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Date: 2015-10-12 | Copyright: 2013 Trenz Electronic GmbH

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Filename: USB-PHY.SchDoc



Title: GigaZee - eNAND

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Date: 2015-10-12 Copyright: 2013 Trenz Electronic GmbH

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Filename: eMMC.SchDoc

1 2 3 4

A

B

C

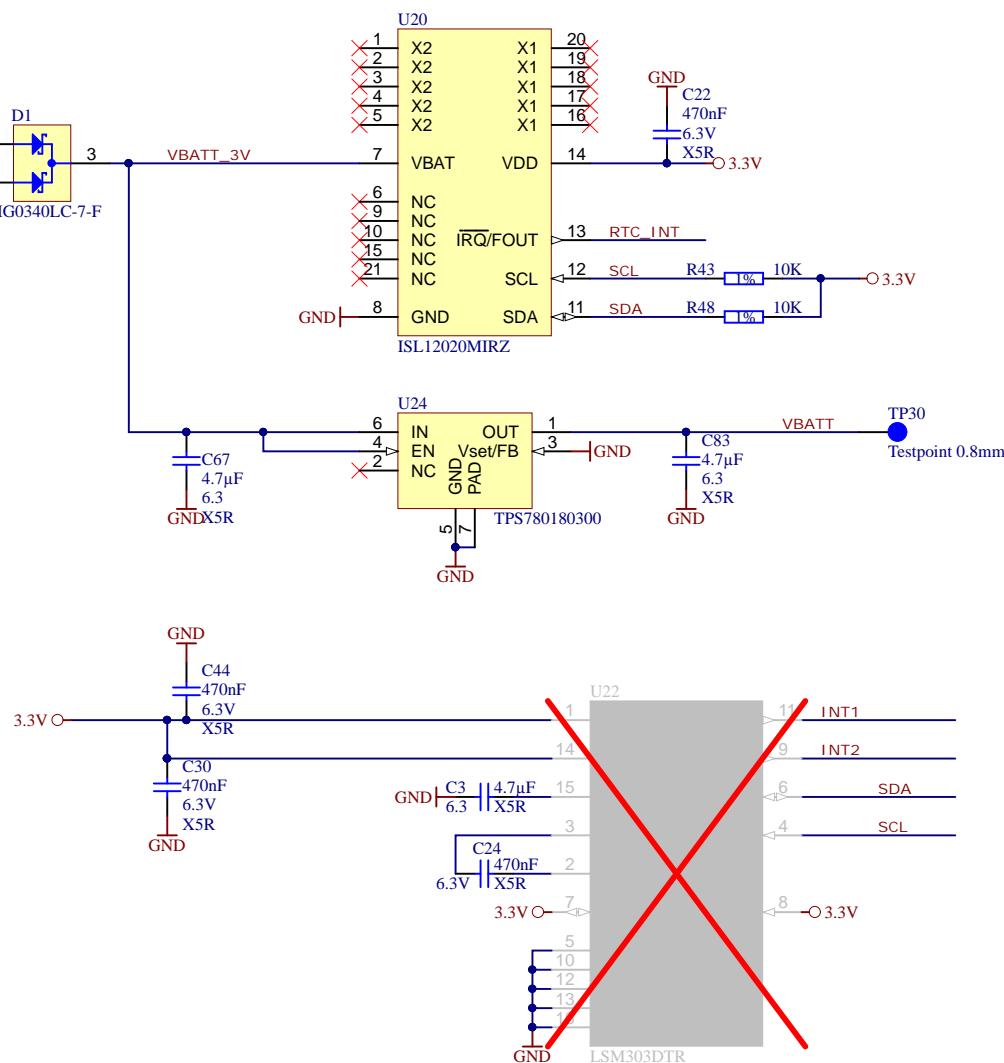
D

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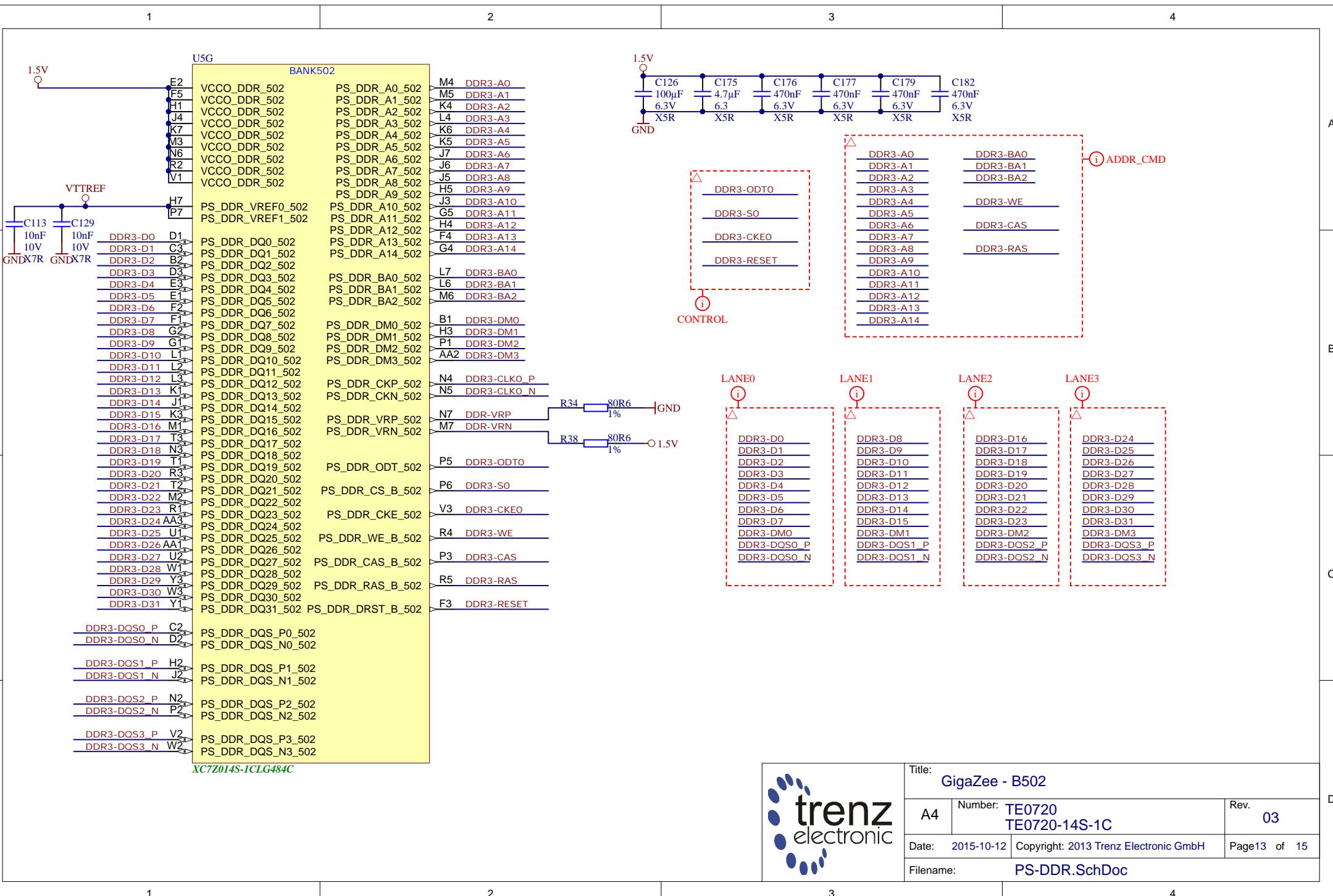
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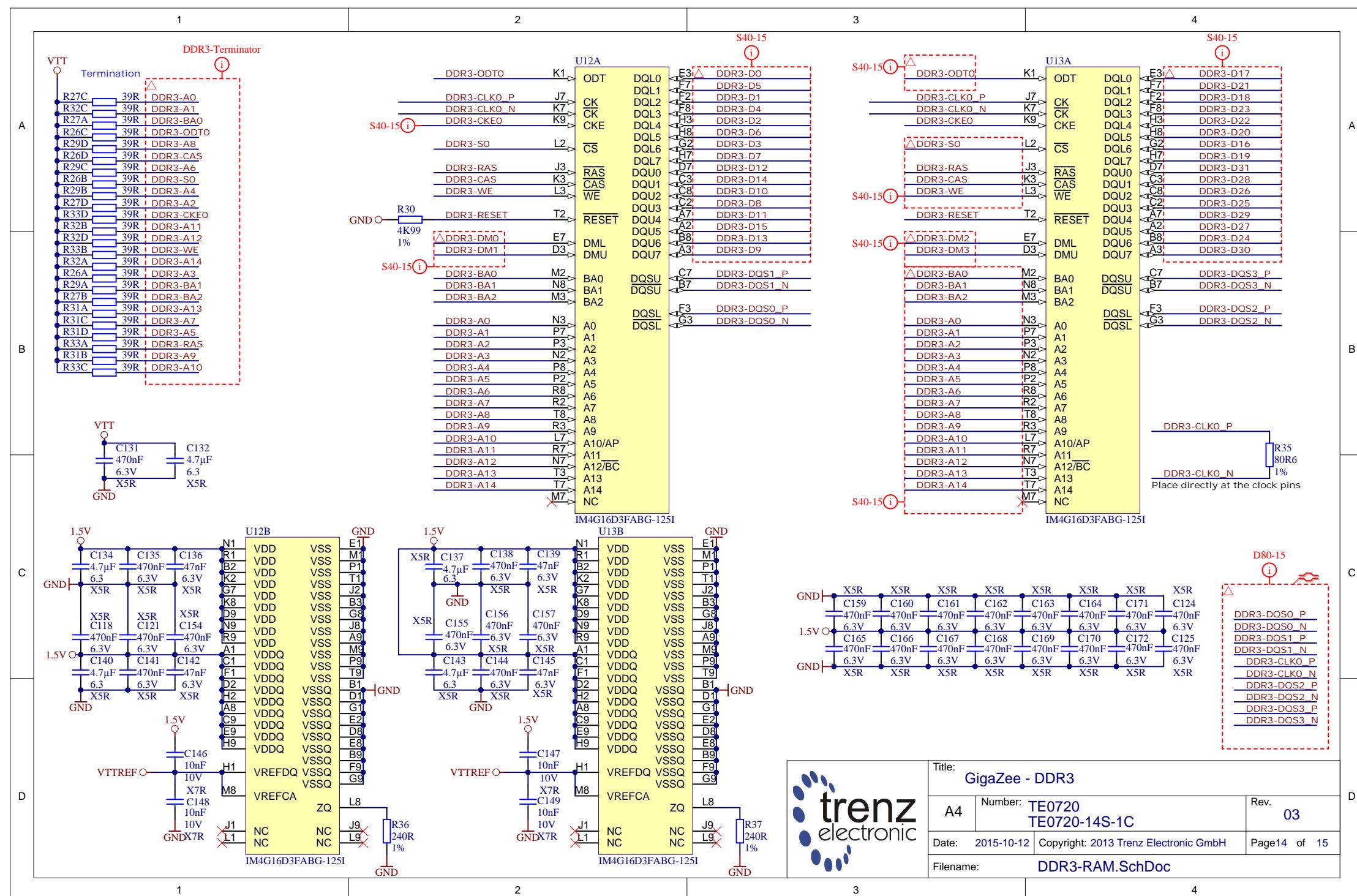
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Title: GigaZee - RTC, MEMS, SHA, MAC		
A4	Number: TE0720 TE0720-14S-1C	Rev. 03
Date: 2015-10-12	Copyright: 2013 Trenz Electronic GmbH	Page 12 of 15
Filename: SENSOR-RTC.SchDoc		

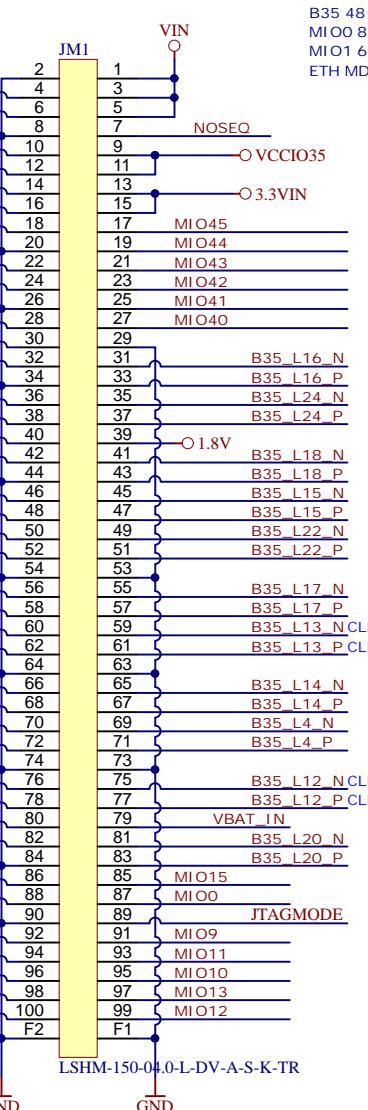
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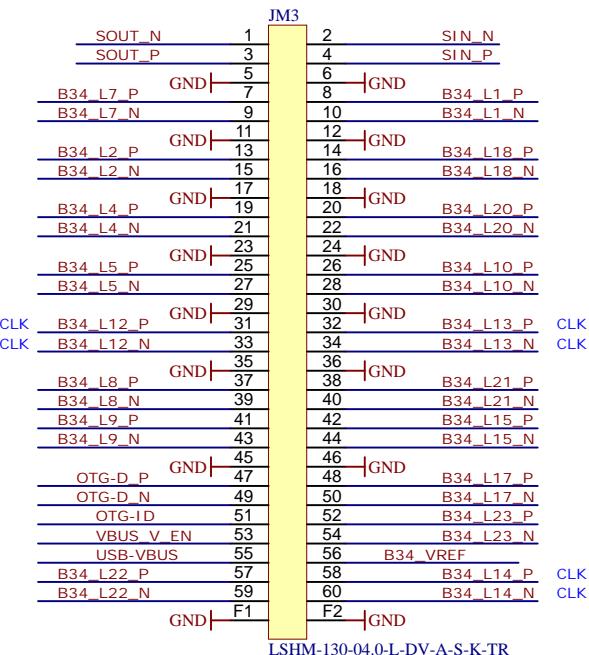
B35 48 IO, 24 LVDS Pairs
MI00 8 IO, 3.3V
MI01 6 IO 1.8V
ETH MDI Copper

B34 36 IO, 18 LVDS Pairs
USB OTG
ETH SGMII

B33 18 IO, 9 LVDS Pairs
B13 48 IO, 24 LVDS Pairs
B13 2 IO

1 2 3 4

A



Top of Board



Screw M3x4



Distance Holder M3x8



Screw M3x6



Screw M3x4



Distance Holder M3x8



Screw M3x6



Screw M3x4



Distance Holder M3x8



Screw M3x6



Title: GigaZee - B2B Connector

A4 Number: TE0720
TE0720-14S-1C

Rev. 03

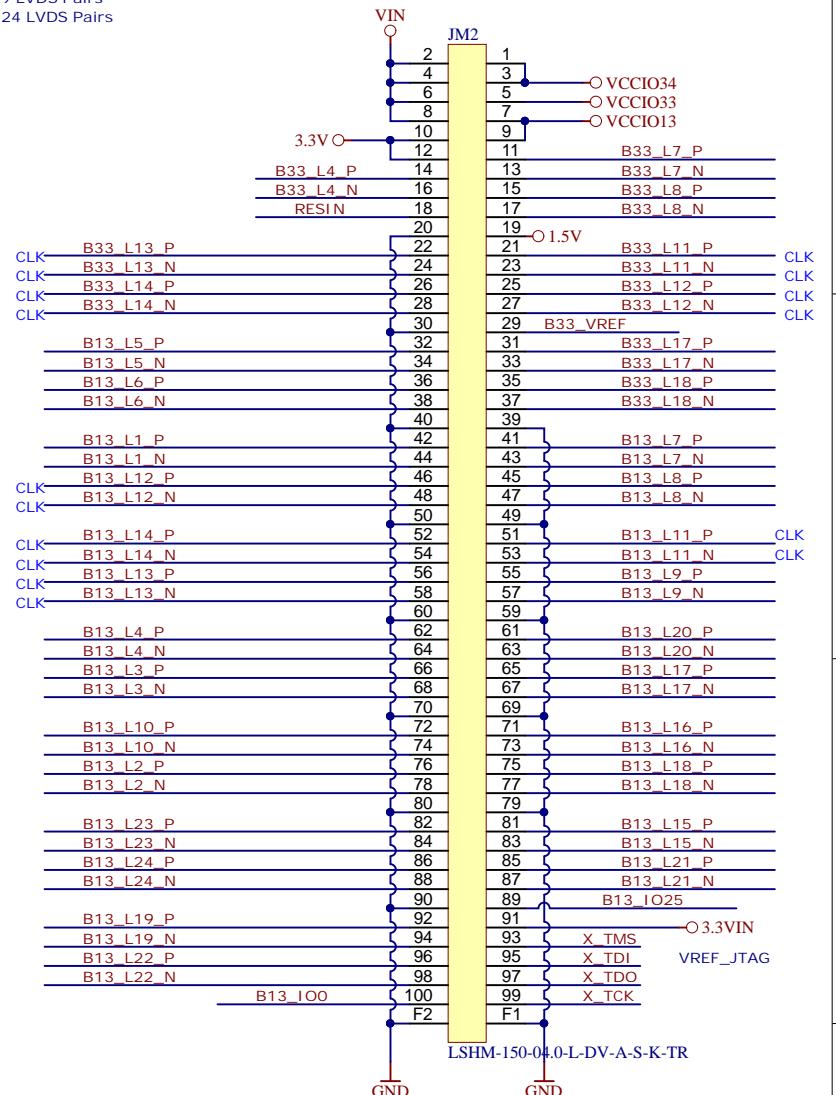
Date: 2015-10-12 Copyright: 2013 Trenz Electronic GmbH

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Filename: B2B-Connectors.SchDoc

1 2 3 4

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1 2 3 4

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1 2 3 4

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