

U_B2B-Connectors
B2B-Connectors.SchDoc

U_B13
B13.SchDoc

U_B33-B34
B33-B34.SchDoc

U_B35
B35.SchDoc

U_DDR3-RAM
DDR3-RAM.SchDoc

U_eMMC
eMMC.SchDoc

U_ETH-PHY
ETH-PHY.SchDoc

U_FPGA-MISC
FPGA-MISC.SchDoc

U_FPGA-PWR
FPGA-PWR.SchDoc

U_MIO-BANKS
MIO-BANKS.SchDoc

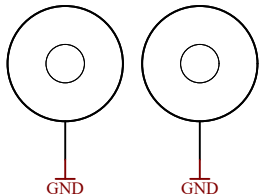
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PS-DDR.SchDoc

U_SENSOR-RTC
SENSOR-RTC.SchDoc

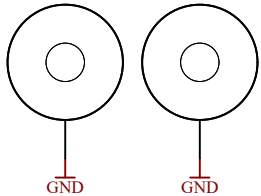
U_SystemController
SystemController.SchDoc

U_USB-PHY
USB-PHY.SchDoc

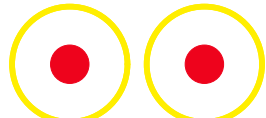
Mount.Hole 3.2mmMount.Hole 3.2mm



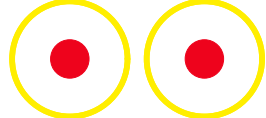
Mount.Hole 3.2mmMount.Hole 3.2mm



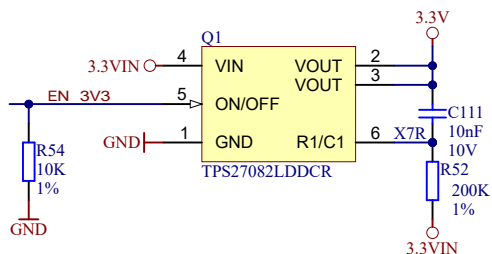
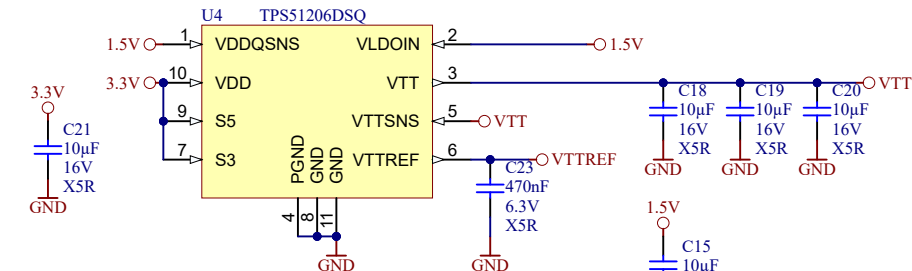
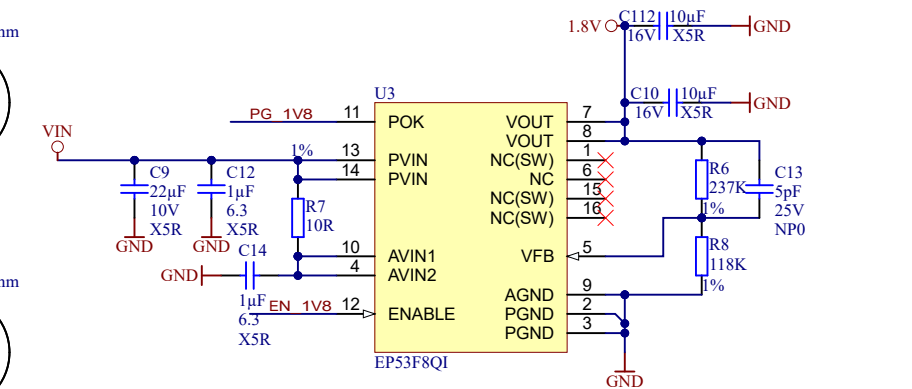
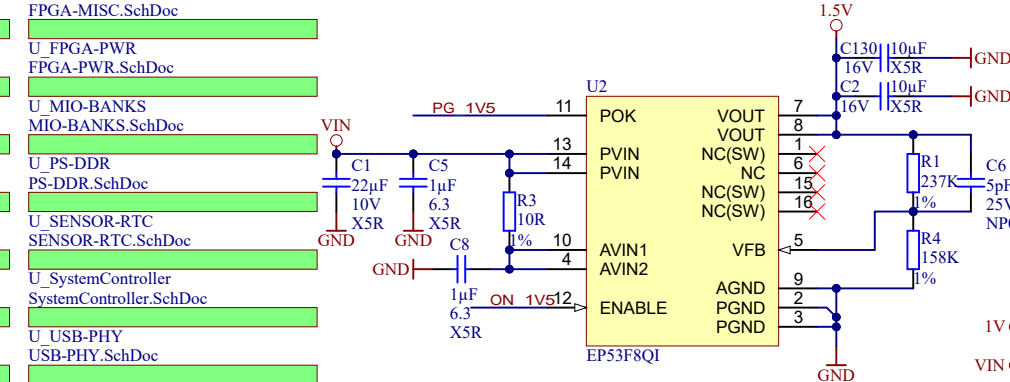
PM1 PM2



PM4 PM5



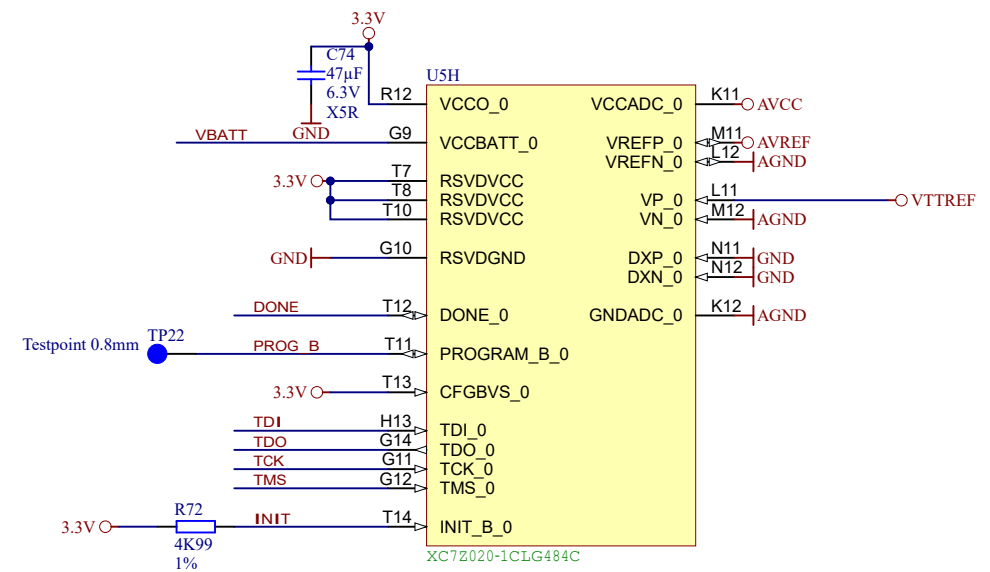
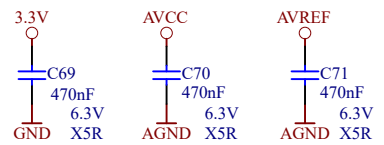
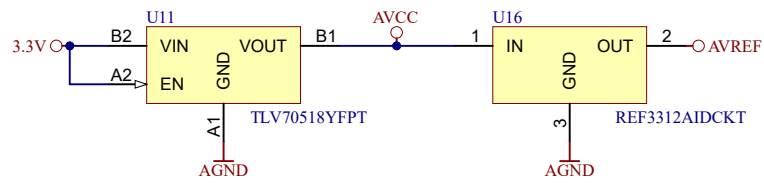
PM6 PM3



Assembly variant 61C33FAY
Created by MR
Modified by MR
Modified at 2021-08-13
SVN Revision 9068



Title: GigaZee - Power			
A4	Number: TE0720 61C33FAY	Rev. 03	
Date: 2015-10-12	Copyright: 2013 Trenz Electronic GmbH		Page 1 of 15
Drawn by: *	Filename: TE0720.SchDoc		



		Title: GigaZee - B0	
		A4	Number: TE0720 61C33FAY
Date: 2015-10-12		Copyright: 2013 Trenz Electronic GmbH	
Filename: FPGA-MISC.SchDoc		Page 3 of 15	
		Rev. 03	

1

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A

A

B

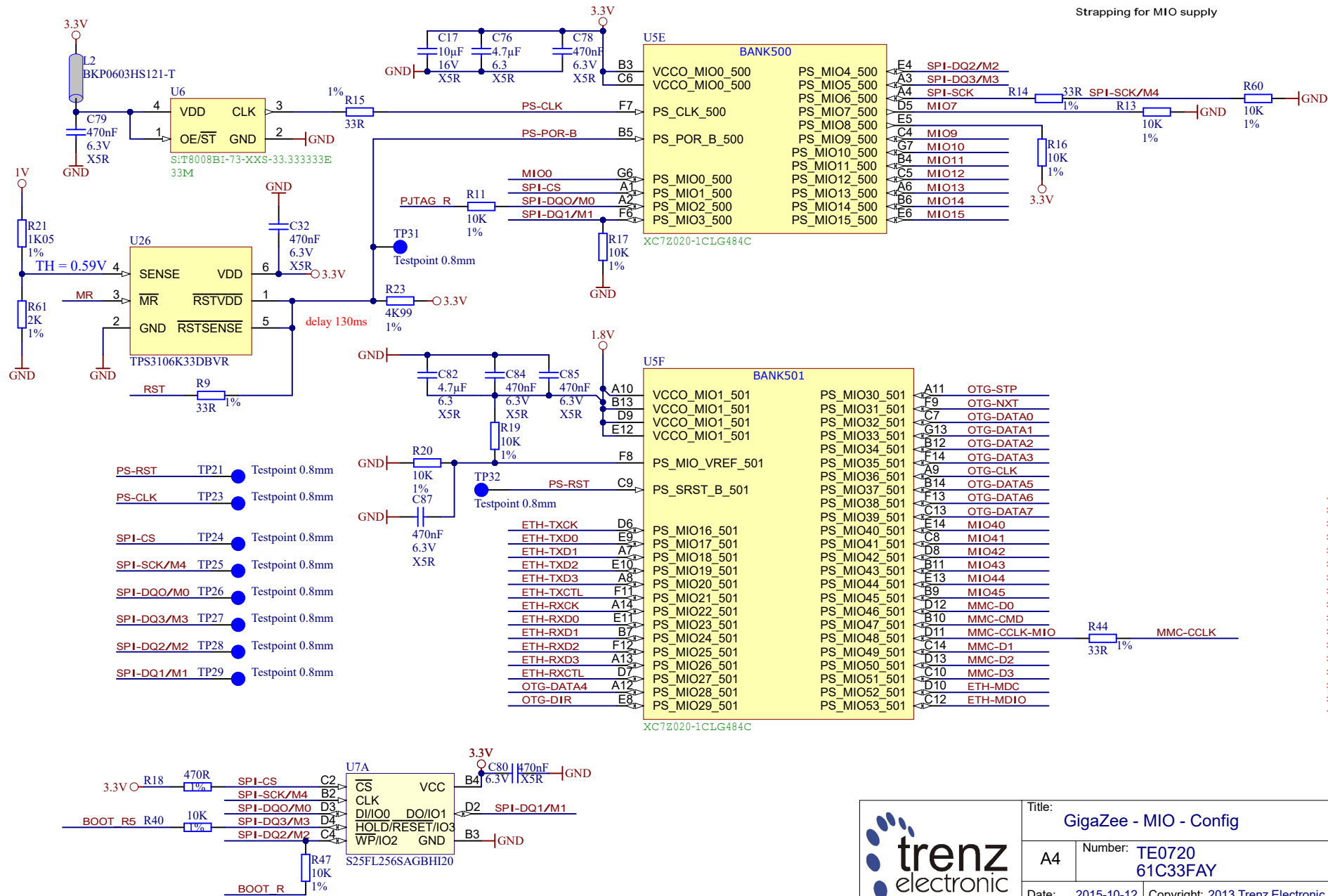
B

C

C

D

D



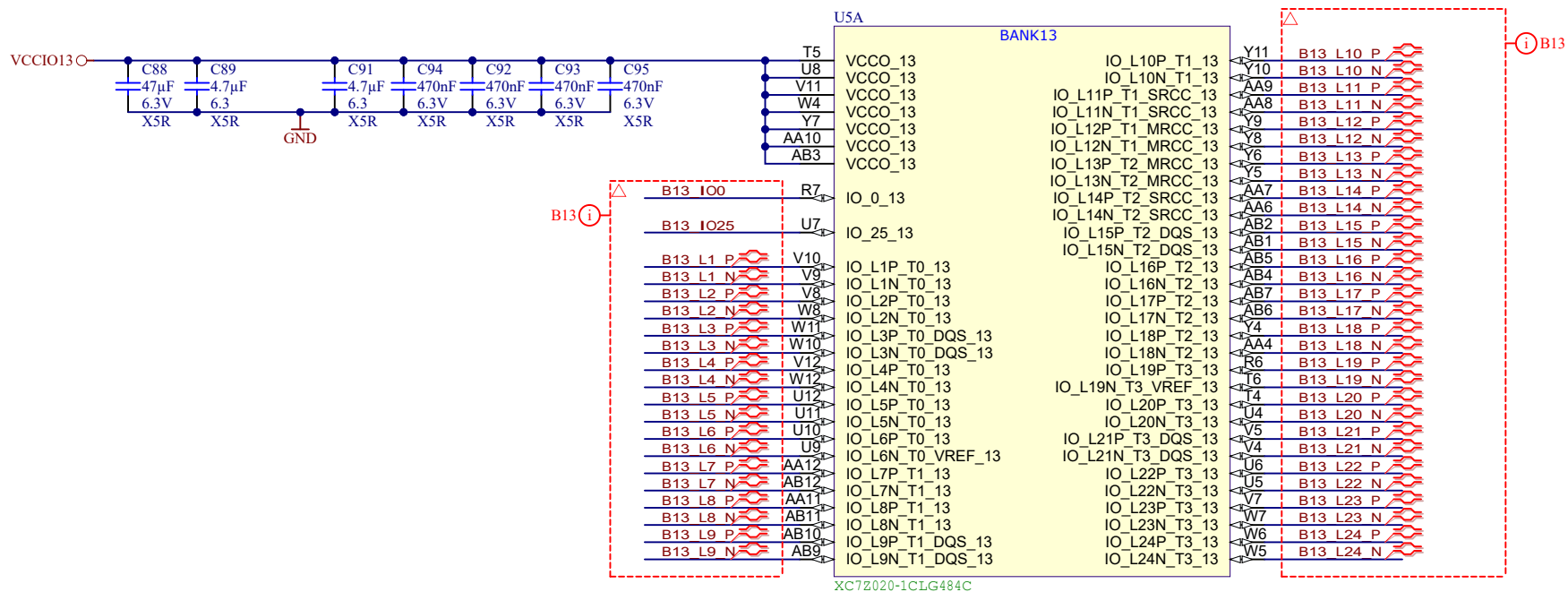
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A4	Number: TE0720 61C33FAY	Rev. 03
Date: 2015-10-12	Copyright: 2013 Trenz Electronic GmbH	Page4 of 15
Filename: MIO-BANKS.SchDoc		

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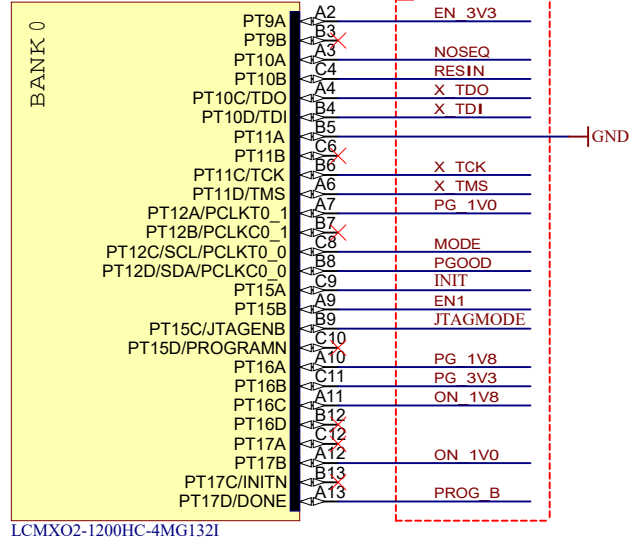
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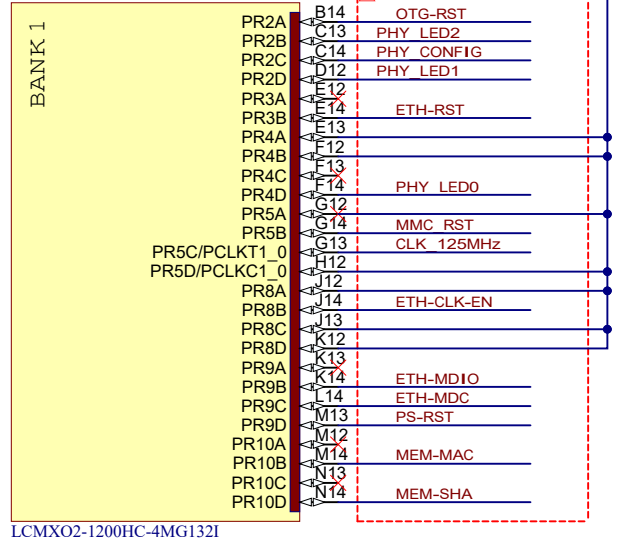


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		A4	Number: TE0720 61C33FAY
Date: 2015-10-12	Copyright: 2013 Trenz Electronic GmbH		Rev. 03
Filename: B13.SchDoc		Page5 of 15	

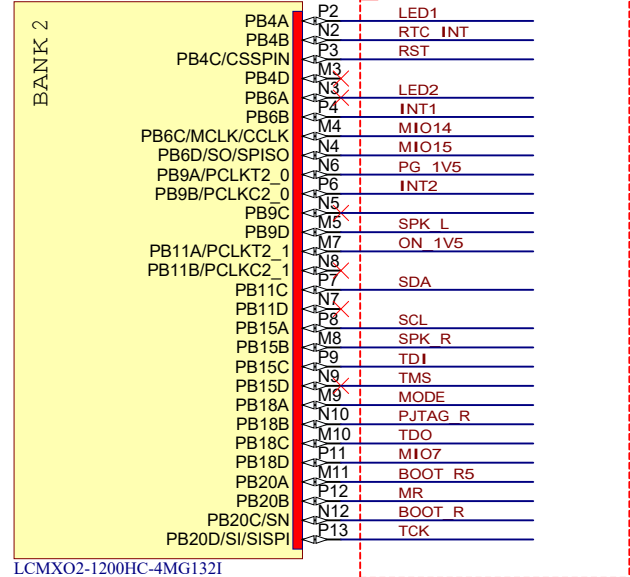
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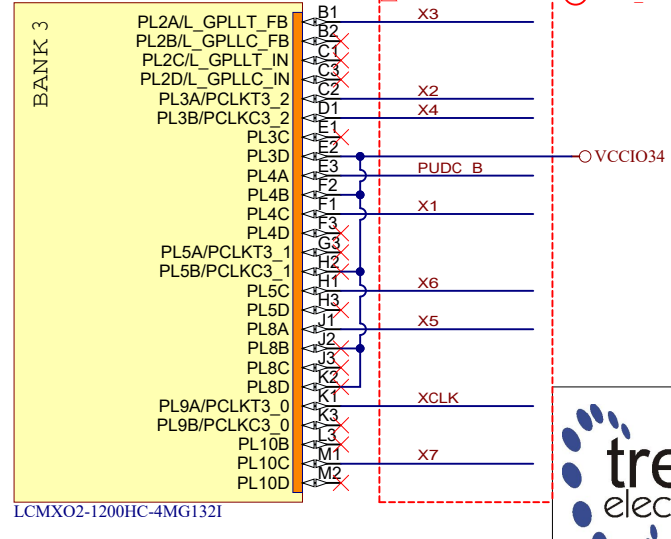
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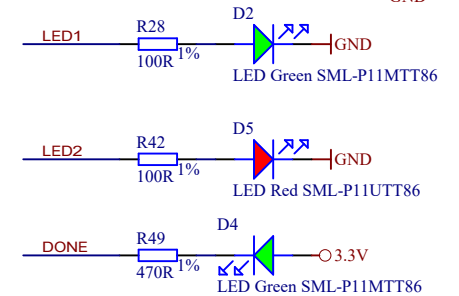
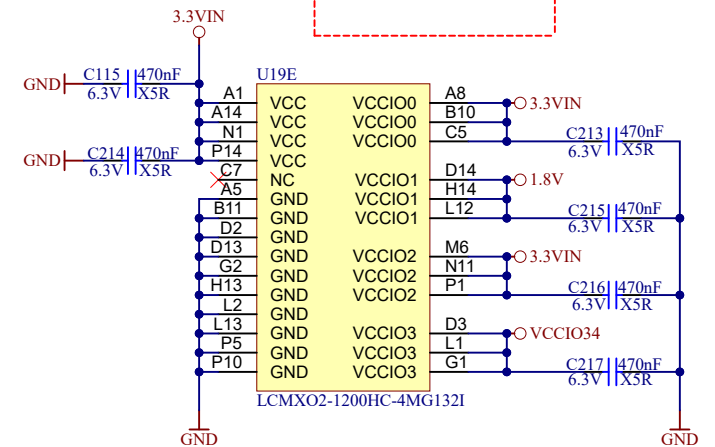
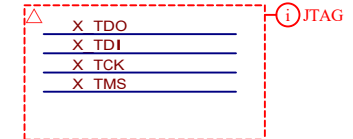
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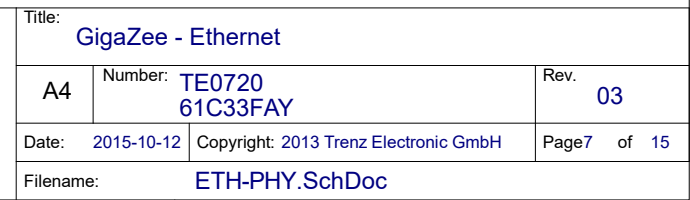
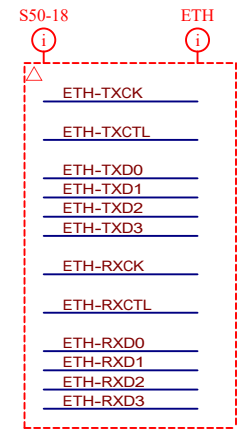
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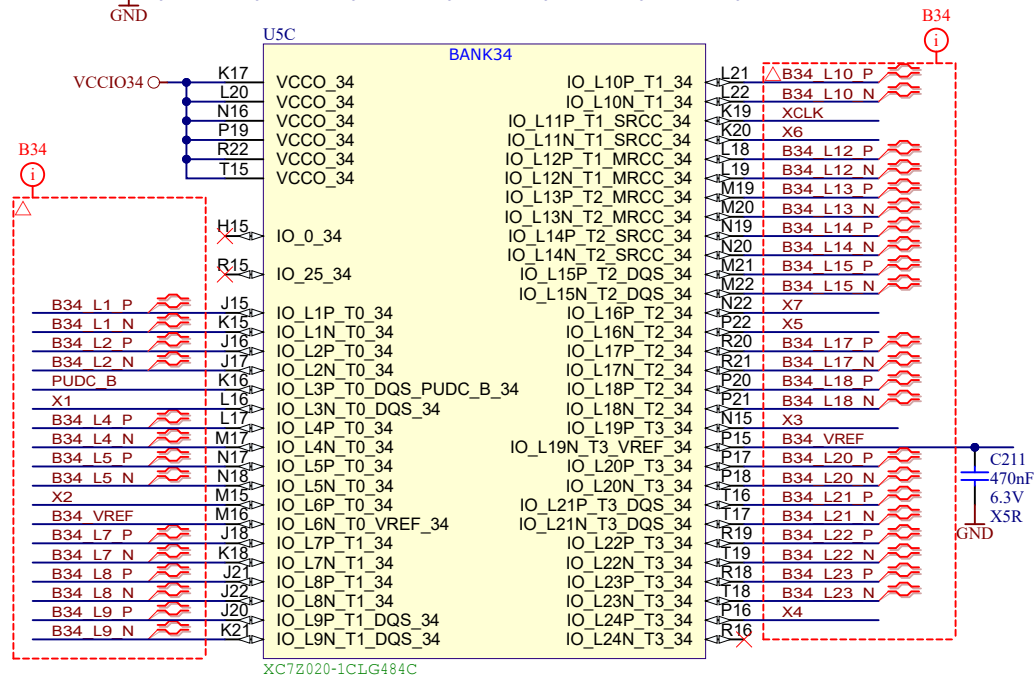
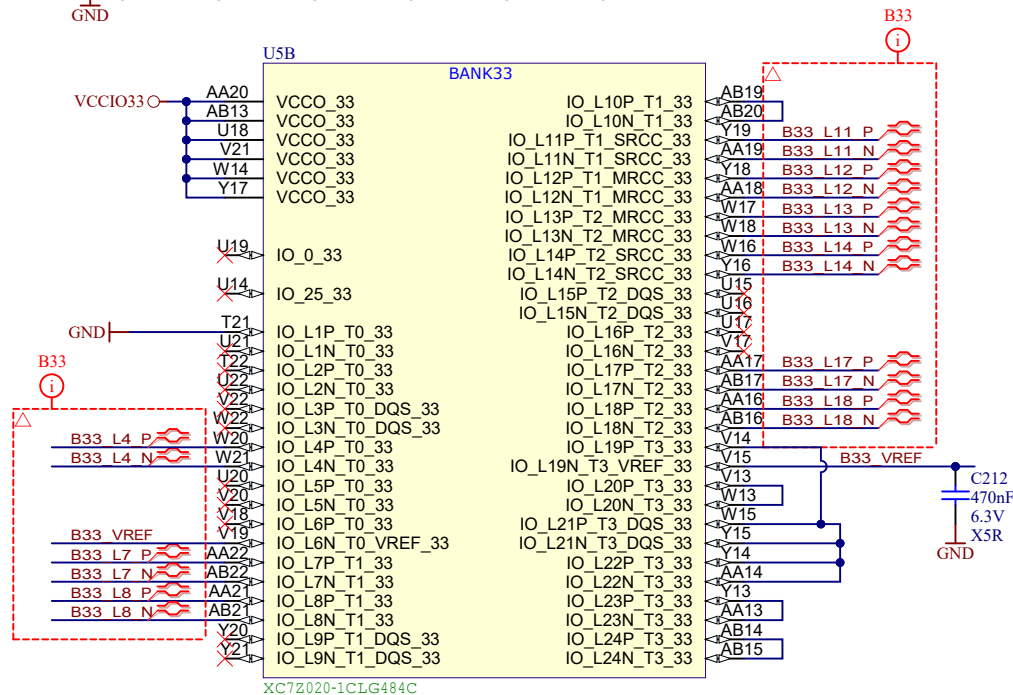
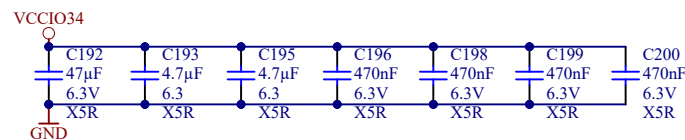
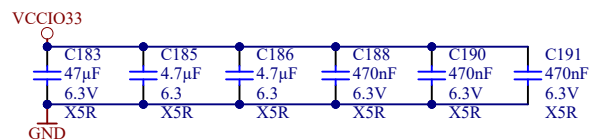


CPLD_3V3

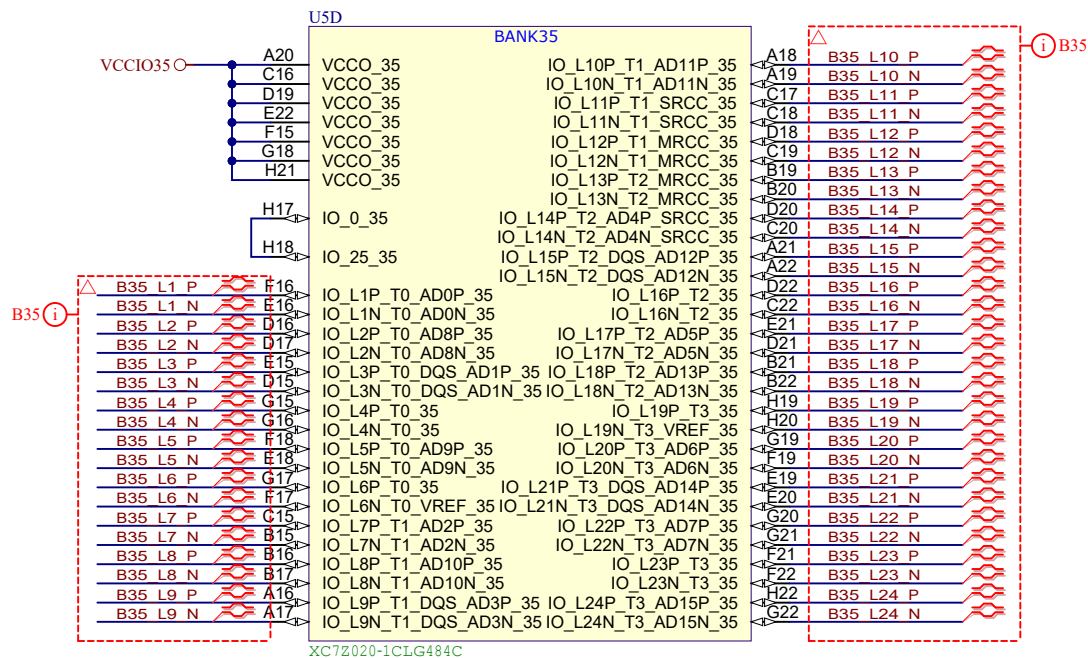
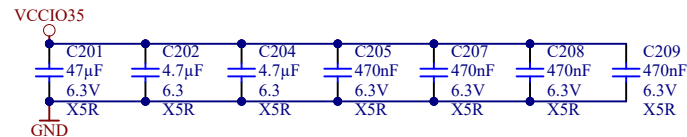


Title: GigaZee - System Controller		
A4	Number: TE0720 61C33FAY	Rev. 03
Date: 2015-10-12	Copyright: 2013 Trenz Electronic GmbH	Page6 of 15
Filename: SystemController.SchDoc		





Title: GigaZee - B33 - B34			
A4	Number: TE0720 61C33FAY		Rev. 03
Date: 2015-10-12	Copyright: 2013 Trenz Electronic GmbH		Page8 of 15
Filename: B33-B34.SchDoc			



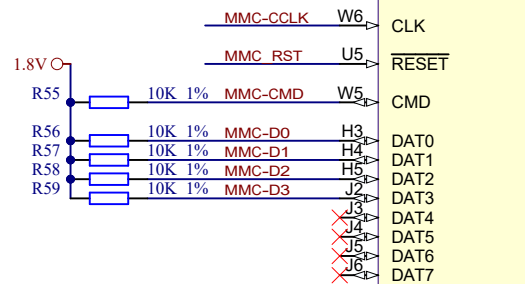
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A4	Number: TE0720 61C33FAY	Rev. 03
Date: 2015-10-12	Copyright: 2013 Trenz Electronic GmbH	Page9 of 15
Filename: B35.SchDoc		

U15D

A4	NC	NC	R2
A6	NC	NC	R3
A9	NC	NC	R12
A11	NC	NC	R13
B2	NC	NC	R14
B13	NC	NC	T1
D1	NC	NC	T2
D14	NC	NC	T3
H1	NC	NC	T12
H2	NC	NC	T13
H8	NC	NC	T14
H9	NC	NC	U1
H10	NC	NC	U2
H11	NC	NC	U3
H12	NC	NC	U12
H13	NC	NC	U13
H14	NC	NC	U14
J1	NC	NC	V1
J7	NC	NC	V2
J8	NC	NC	V3
J9	NC	NC	V12
J10	NC	NC	V13
J11	NC	NC	V14
J12	NC	NC	W1
J13	NC	NC	W2
J14	NC	NC	W3
K1	NC	NC	W7
K3	NC	NC	W8
K7	NC	NC	W9
K8	NC	NC	W10
K9	NC	NC	W11
K10	NC	NC	W12
K11	NC	NC	W13
K12	NC	NC	W14
K13	NC	NC	Y1
K14	NC	NC	Y3
L1	NC	NC	Y6
L2	NC	NC	Y7
L3	NC	NC	Y8
L4	NC	NC	Y9
L12	NC	NC	Y10
L13	NC	NC	Y11
L14	NC	NC	Y12
M1	NC	NC	Y13
M2	NC	NC	Y14
M3	NC	NC	AA1
M12	NC	NC	AA2
M13	NC	NC	AA8
M14	NC	NC	AA9
N1	NC	NC	AA11
N2	NC	NC	AA12
N3	NC	NC	AA13
N12	NC	NC	AA14
N13	NC	NC	AE1
N14	NC	NC	AE14
P1	NC	NC	AG2
P2	NC	NC	AG13
P12	NC	NC	AH4
P13	NC	NC	AH6
P14	NC	NC	AH9
R1	NC	NC	AH11

IS21ES08G-JCLi

U15A



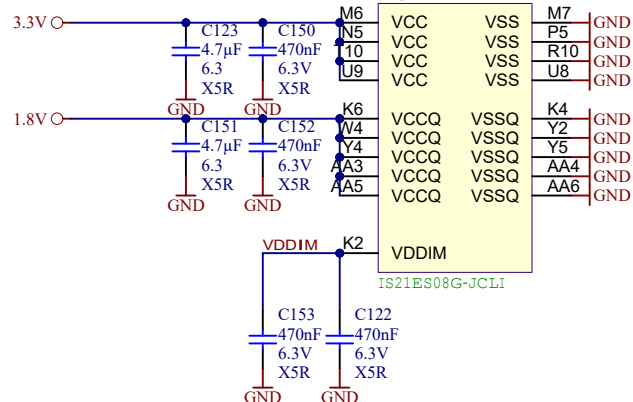
IS21ES08G-JCLi

U15C

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H7	RFU
K5	RFU
M5	RFU
M8	RFU
M9	RFU
M10	RFU
N10	RFU
P3	RFU
P10	RFU
R5	RFU
T5	RFU
U6	RFU
U7	RFU
U10	RFU
AA7	RFU
AA10	RFU

IS21ES08G-JCLi

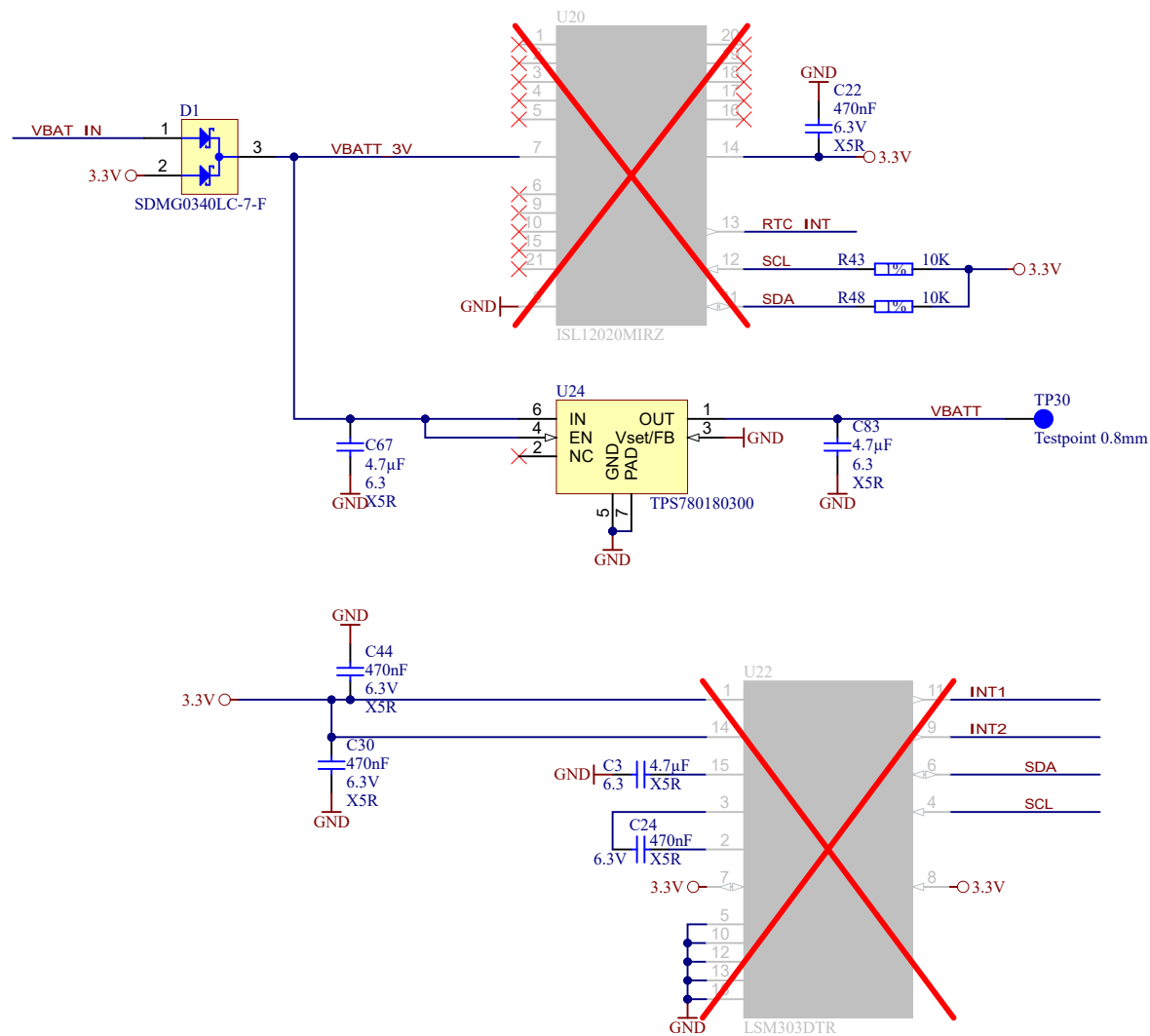
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IS21ES08G-JCLi



Title: GigaZee - eNAND		
A4	Number: TE0720 61C33FAY	Rev. 03
Date: 2015-10-12	Copyright: 2013 Trenz Electronic GmbH	
Filename: eMMC.SchDoc		Page 11 of 15



		Title: GigaZee - RTC, MEMS, SHA, MAC	
A4	Number: TE0720 61C33FAY	Rev. 03	
Date: 2015-10-12	Copyright: 2013 Trenz Electronic GmbH		Page12 of 15
Filename: SENSOR-RTC.SchDoc			

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USG

BANK502

E2 VCCO_DDR 502 PS_DDR_A0_502
F5 VCCO_DDR 502 PS_DDR_A1_502
H1 VCCO_DDR 502 PS_DDR_A2_502
J4 VCCO_DDR 502 PS_DDR_A3_502
K7 VCCO_DDR 502 PS_DDR_A4_502
M3 VCCO_DDR 502 PS_DDR_A5_502
N6 VCCO_DDR 502 PS_DDR_A6_502
R2 VCCO_DDR 502 PS_DDR_A7_502
V1 VCCO_DDR 502 PS_DDR_A8_502

H7 PS_DDR_VREF0_502
P7 PS_DDR_VREF1_502

C113 10nF
10V
GNDX7R

VTTREF
C129 10nF
10V
GNDX7R

DDR3-D0 D1
DDR3-D1 C3
DDR3-D2 B2
DDR3-D3 D3
DDR3-D4 E3
DDR3-D5 E1
DDR3-D6 F2
DDR3-D7 F1
DDR3-D8 G2
DDR3-D9 G1
DDR3-D10 L1
DDR3-D11 L2
DDR3-D12 L3
DDR3-D13 K1
DDR3-D14 J1
DDR3-D15 K3
DDR3-D16 M1
DDR3-D17 T3
DDR3-D18 N3
DDR3-D19 T1
DDR3-D20 R3
DDR3-D21 T2
DDR3-D22 M2
DDR3-D23 R1
DDR3-D24 AA3
DDR3-D25 U1
DDR3-D26 AA1
DDR3-D27 U2
DDR3-D28 W1
DDR3-D29 Y3
DDR3-D30 W3
DDR3-D31 Y1

PS_DDR_DQ0_502
PS_DDR_DQ1_502
PS_DDR_DQ2_502
PS_DDR_DQ3_502
PS_DDR_DQ4_502
PS_DDR_DQ5_502
PS_DDR_DQ6_502
PS_DDR_DQ7_502
PS_DDR_DQ8_502
PS_DDR_DQ9_502
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PS_DDR_DQ30_502
PS_DDR_DQ31_502

PS_DDR_BA0_502
PS_DDR_BA1_502
PS_DDR_BA2_502
PS_DDR_DM0_502
PS_DDR_DM1_502
PS_DDR_DM2_502
PS_DDR_DM3_502

PS_DDR_CKP_502
PS_DDR_CKN_502

PS_DDR_VRP_502
PS_DDR_VRN_502

PS_DDR_ODT_502

PS_DDR_CS_B_502

PS_DDR_CKE_502

PS_DDR_WE_B_502

PS_DDR_CAS_B_502

PS_DDR_RAS_B_502

PS_DDR_DRST_B_502

XC7Z020-1CLG484C

M4 DDR3-A0
M5 DDR3-A1
K4 DDR3-A2
L4 DDR3-A3
K6 DDR3-A4
K5 DDR3-A5
J7 DDR3-A6
J6 DDR3-A7
J5 DDR3-A8
H5 DDR3-A9
J3 DDR3-A10
G5 DDR3-A11
H4 DDR3-A12
F4 DDR3-A13
G4 DDR3-A14

L7 DDR3-BA0
L6 DDR3-BA1
M6 DDR3-BA2

B1 DDR3-DM0
H3 DDR3-DM1
P1 DDR3-DM2
AA2 DDR3-DM3

N4 DDR3-CLK0_P
N5 DDR3-CLK0_N

N7 DDR3-VRP
M7 DDR3-VRN

P5 DDR3-ODT0

P6 DDR3-S0

V3 DDR3-CKE0

R4 DDR3-WE

P3 DDR3-CAS

R5 DDR3-RAS

F3 DDR3-RESET

1.5V

C126 100µF 6.3V X5R
C175 4.7µF 6.3V X5R
C176 470nF 6.3V X5R
C177 470nF 6.3V X5R
C179 470nF 6.3V X5R
C182 470nF 6.3V X5R

DDR3-ODT0
DDR3-S0
DDR3-CKE0
DDR3-RESET

CONTROL

DDR3-A0
DDR3-A1
DDR3-A2
DDR3-A3
DDR3-A4
DDR3-A5
DDR3-A6
DDR3-A7
DDR3-A8
DDR3-A9
DDR3-A10
DDR3-A11
DDR3-A12
DDR3-A13
DDR3-A14
DDR3-BA0
DDR3-BA1
DDR3-BA2
DDR3-WE
DDR3-CAS
DDR3-RAS

① ADDR_CMD

LANE0

LANE1

LANE2

LANE3

DDR3-D0
DDR3-D1
DDR3-D2
DDR3-D3
DDR3-D4
DDR3-D5
DDR3-D6
DDR3-D7
DDR3-DM0
DDR3-QS0_P
DDR3-QS0_N

DDR3-D8
DDR3-D9
DDR3-D10
DDR3-D11
DDR3-D12
DDR3-D13
DDR3-D14
DDR3-D15
DDR3-DM1
DDR3-QS1_P
DDR3-QS1_N

DDR3-D16
DDR3-D17
DDR3-D18
DDR3-D19
DDR3-D20
DDR3-D21
DDR3-D22
DDR3-D23
DDR3-DM2
DDR3-QS2_P
DDR3-QS2_N

DDR3-D24
DDR3-D25
DDR3-D26
DDR3-D27
DDR3-D28
DDR3-D29
DDR3-D30
DDR3-D31
DDR3-DM3
DDR3-QS3_P
DDR3-QS3_N



Title:

GigaZee - B502

A4

Number:

TE0720
61C33FAY

Rev.

03

Date:

2015-10-12

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Filename:

PS-DDR.SchDoc

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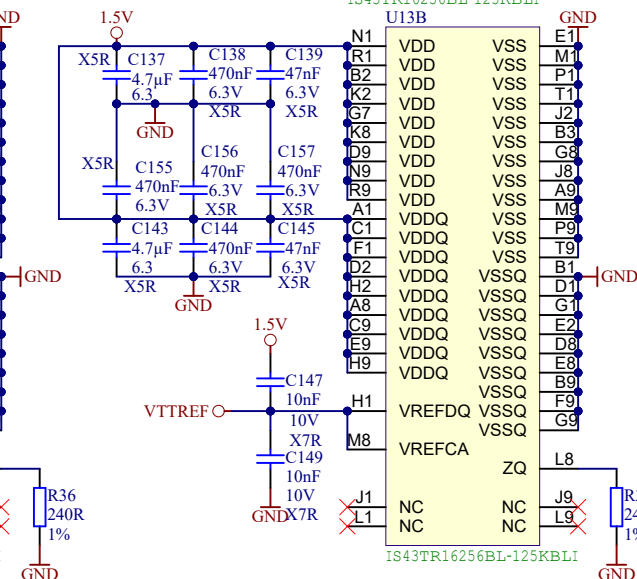
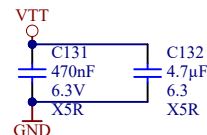
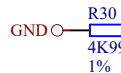
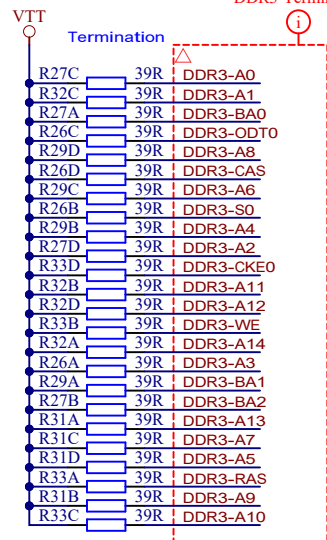
DDR3-Terminator

A

B

A

B



S40-15

S40-15

S40-15

S40-15

S40-15

S40-15

S40-15

S40-15

S40-15

S40-15

IS43TR16256BL-125KBLI

IS43TR16256BL-125KBLI

D80-15

C

D



Title: GigaZee - DDR3		
A4	Number: TE0720 61C33FAY	Rev. 03
Date: 2015-10-12	Copyright: 2013 Trenz Electronic GmbH	
Page 14 of 15		
Filename: DDR3-RAM.SchDoc		

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