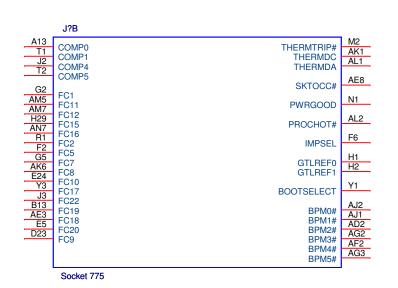
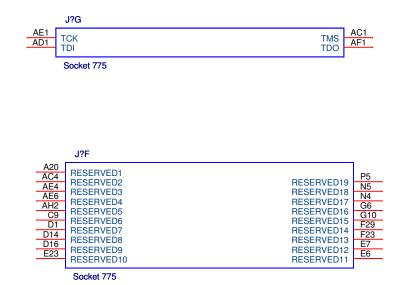
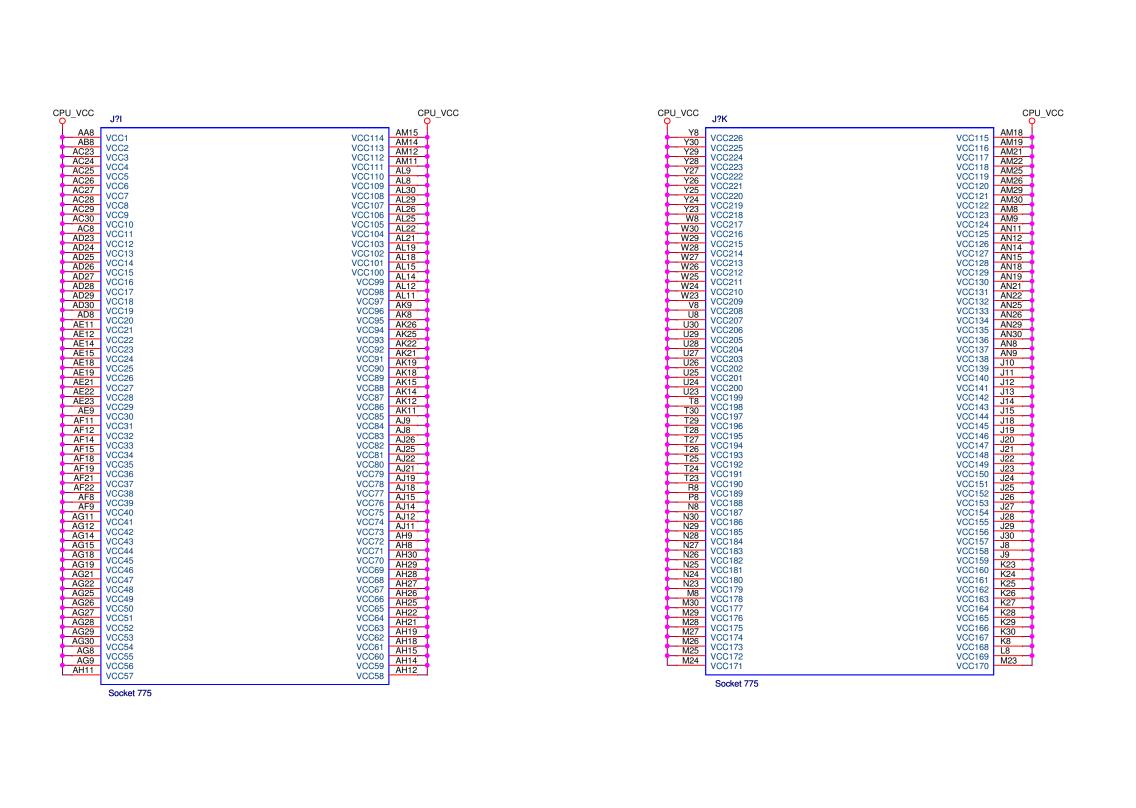


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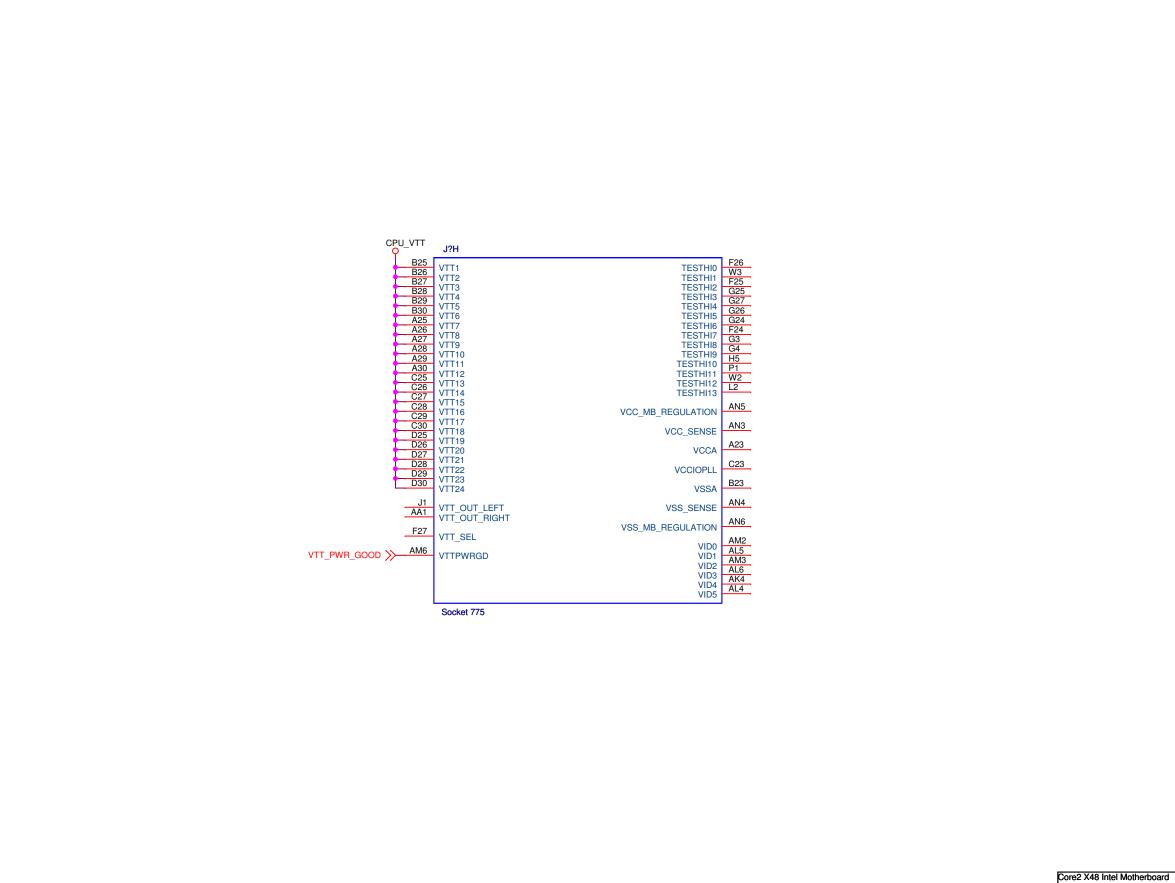




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 AM23

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 AM16

 VSS133
 AM10

 VSS132
 AM1

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 AL16

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 VSS129
 AK7

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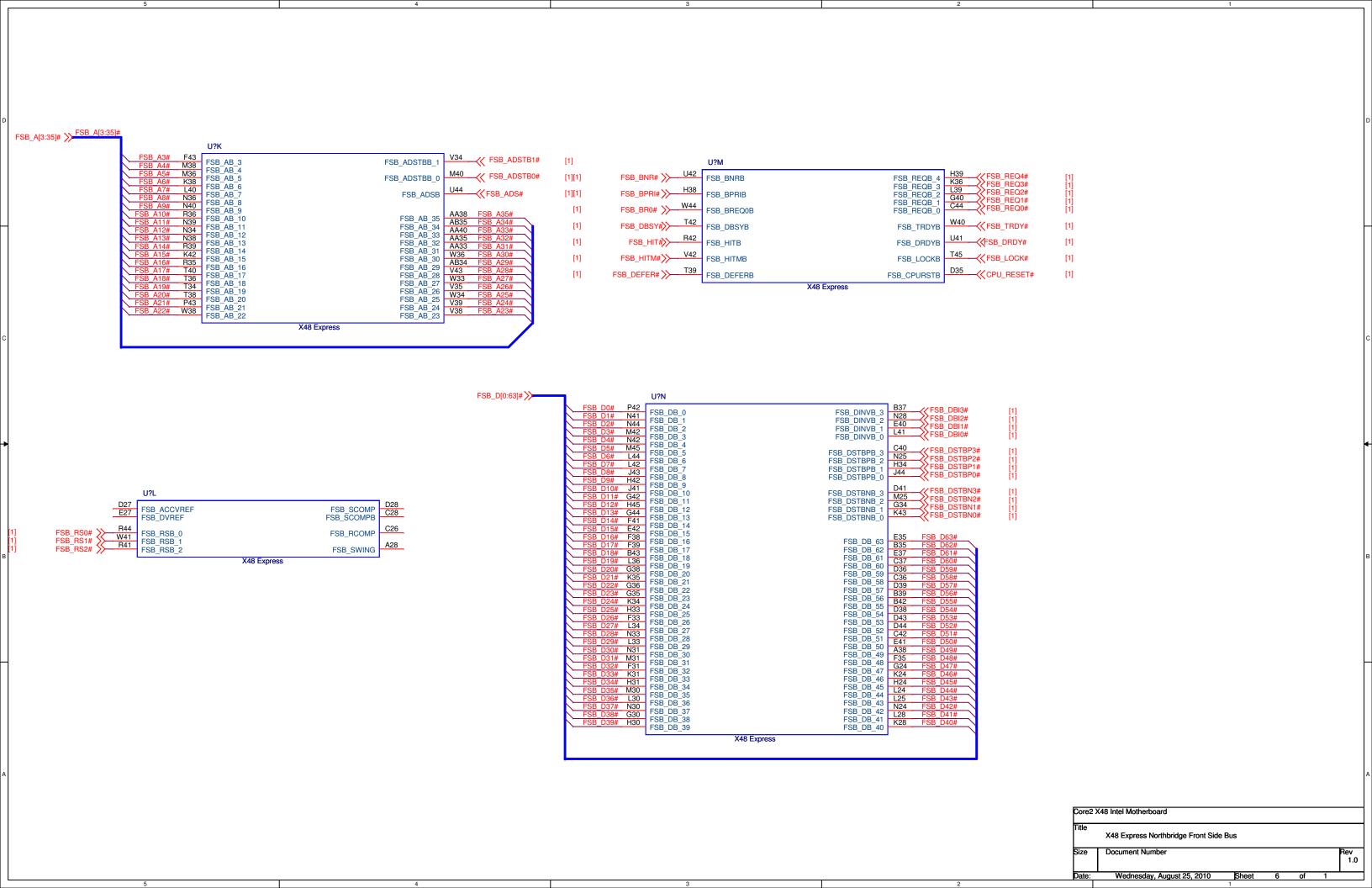
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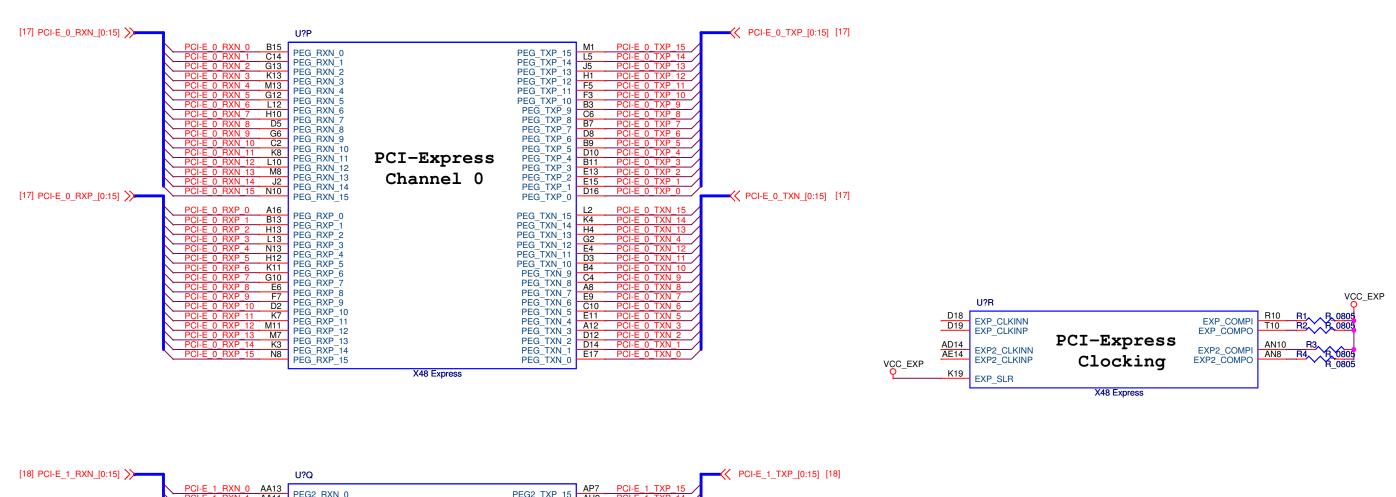
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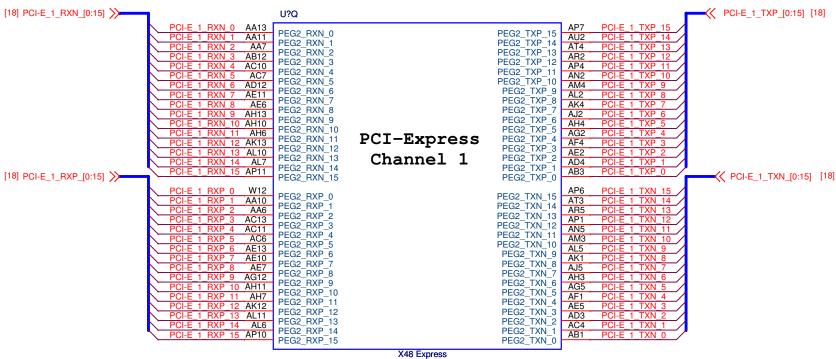
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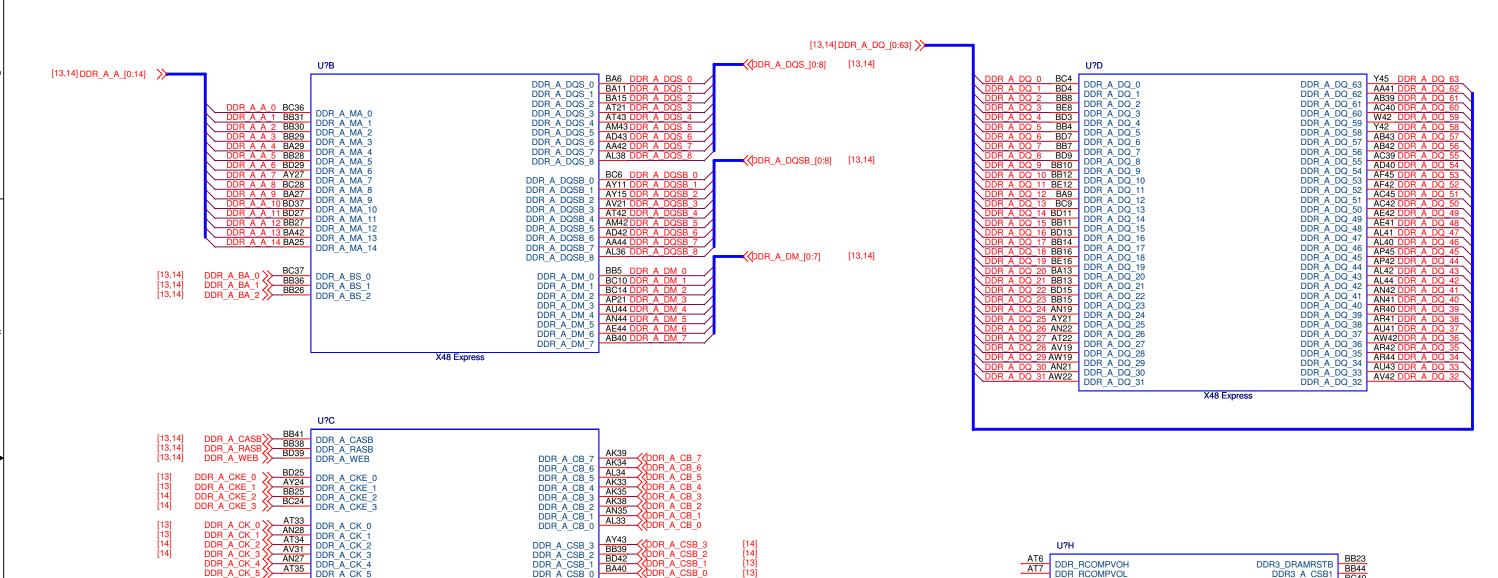
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X48 Express

DDR_A_CK_5

DDR_A_CKB_0

AR33
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DDR_A_CKB_0
AW35
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DDR_A_CKB_2
AT31
DDR_A_CKB_2
DDR_A_CKB_4
DDR_A_CKB_4
DDR_A_CKB_5

AR33

DDR_A_CKB_1 DDR_A_CKB_2 DDR_A_CKB_3

DDR_A_CSB_C

DDR A ODT 3

DDR_A_ODT_0

DDR_A_ODT_2 DDR_A_ODT_1 DDR_A_ODT_0 BB43

AW44

BA41

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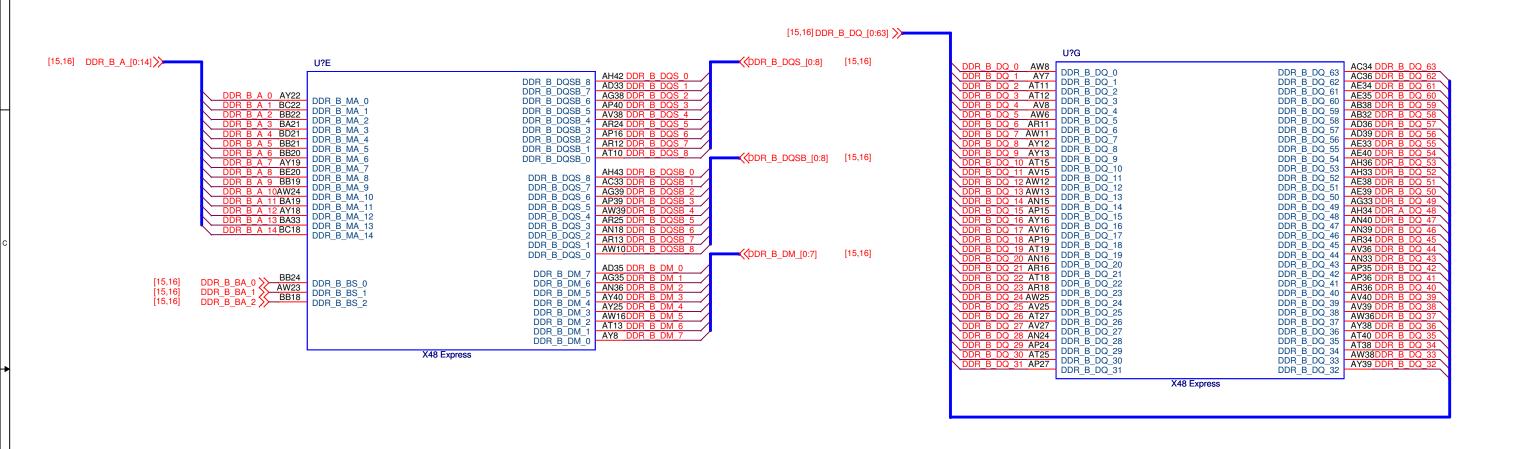
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DDR VREF

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DDR_B_RASB BD31
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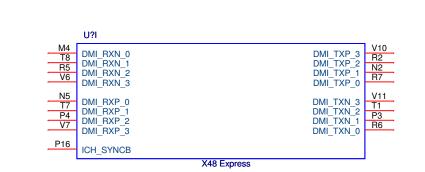
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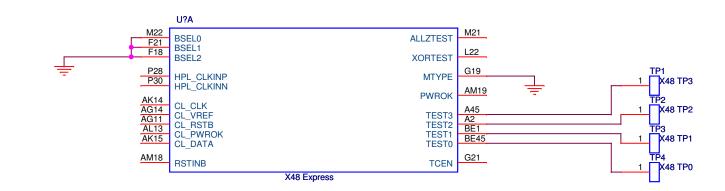
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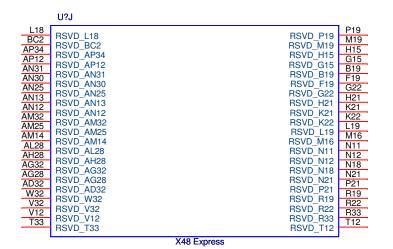
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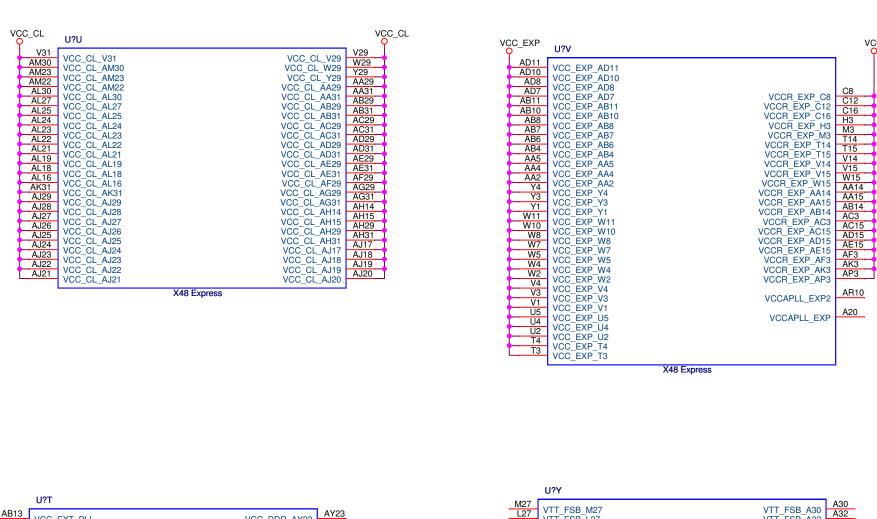








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VCC_DDR_BC23

VCC_DDR_BC26 VCC_DDR_BC30

VCC DDR BC34

VCC_DDR_BC38

VCC DDR BE22

VCC DDR BE24

VCC_DDR_BE28

VCC_DDR_BE32 VCC_DDR_BE36

VCC_DDR_BE40

VCC_CKDDR_BD44

VCC_CKDDR_BC44 BC45 VCC_CKDDR_BD43 BD44

VCC_CKDDR_BE43 BE44 BE44

AY45 BC20

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VCC_V29
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X48 Express

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VTT_FSB_B31
VTT_FSB_B31
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X48 Express

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T14 T15 V14

VCCR_EXP_V14 VCCR_EXP_V15 VCCR_EXP_W15 VCCR_EXP_AA14 VCCR_EXP_AA15

VCCR_EXP_H3 VCCR_EXP_M3 VCCR_EXP_T14

C8 C12 C16 H3 M3 VCCR_EXP_C8 VCCR_EXP_C12 VCCR_EXP_C16

VCC_EXP

AR10

A20

U?S

AH26

AH24

AH20

VCC N15

VCC_AH26

VCC_AH24

VCC_AH22 VCC_AH20

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VCC3_3_L16

VCCA EXP

VCCA_EXP2

VCCA_MPL

VCCAUX U29

VCCAUX_T31

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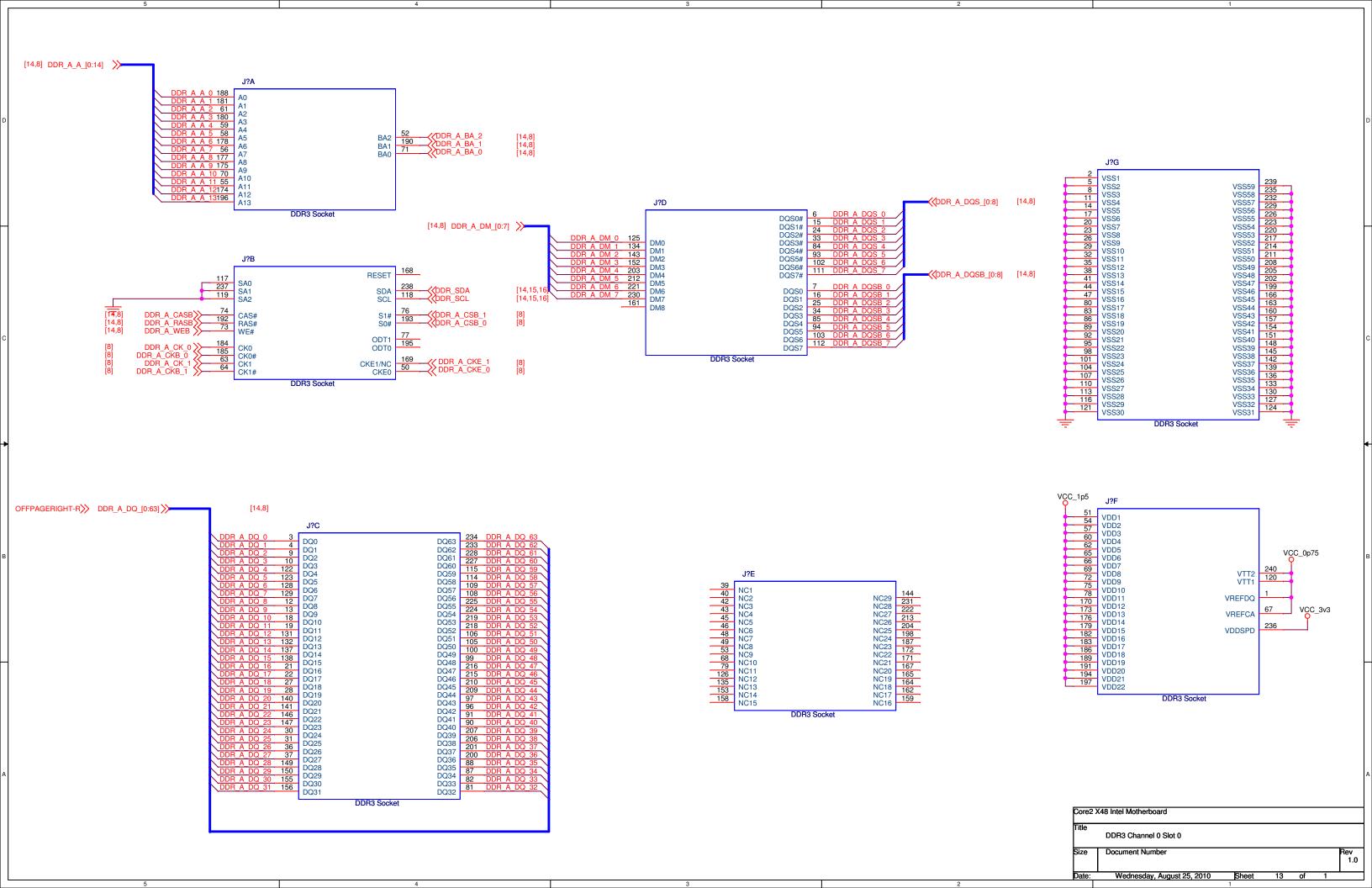
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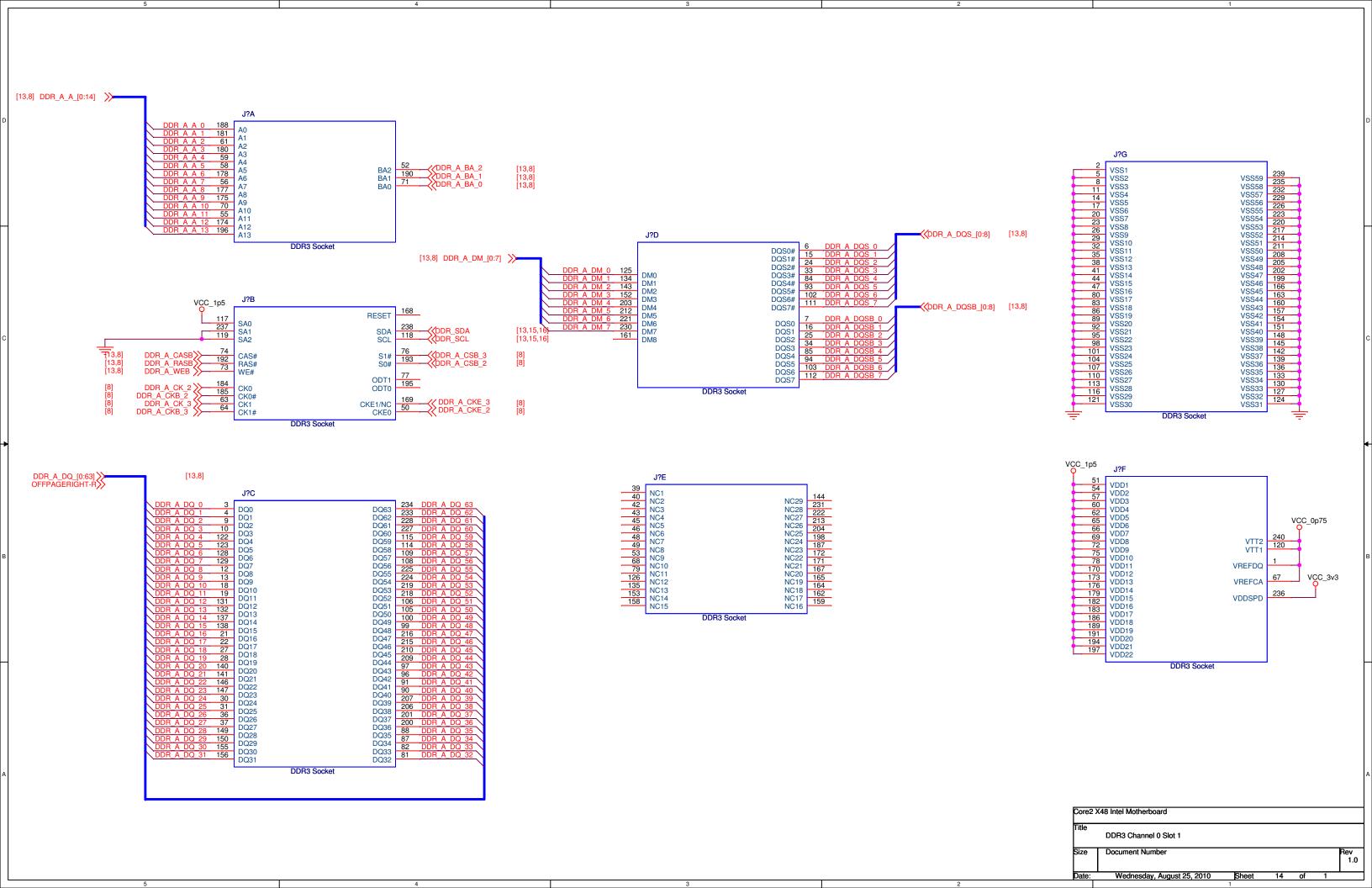
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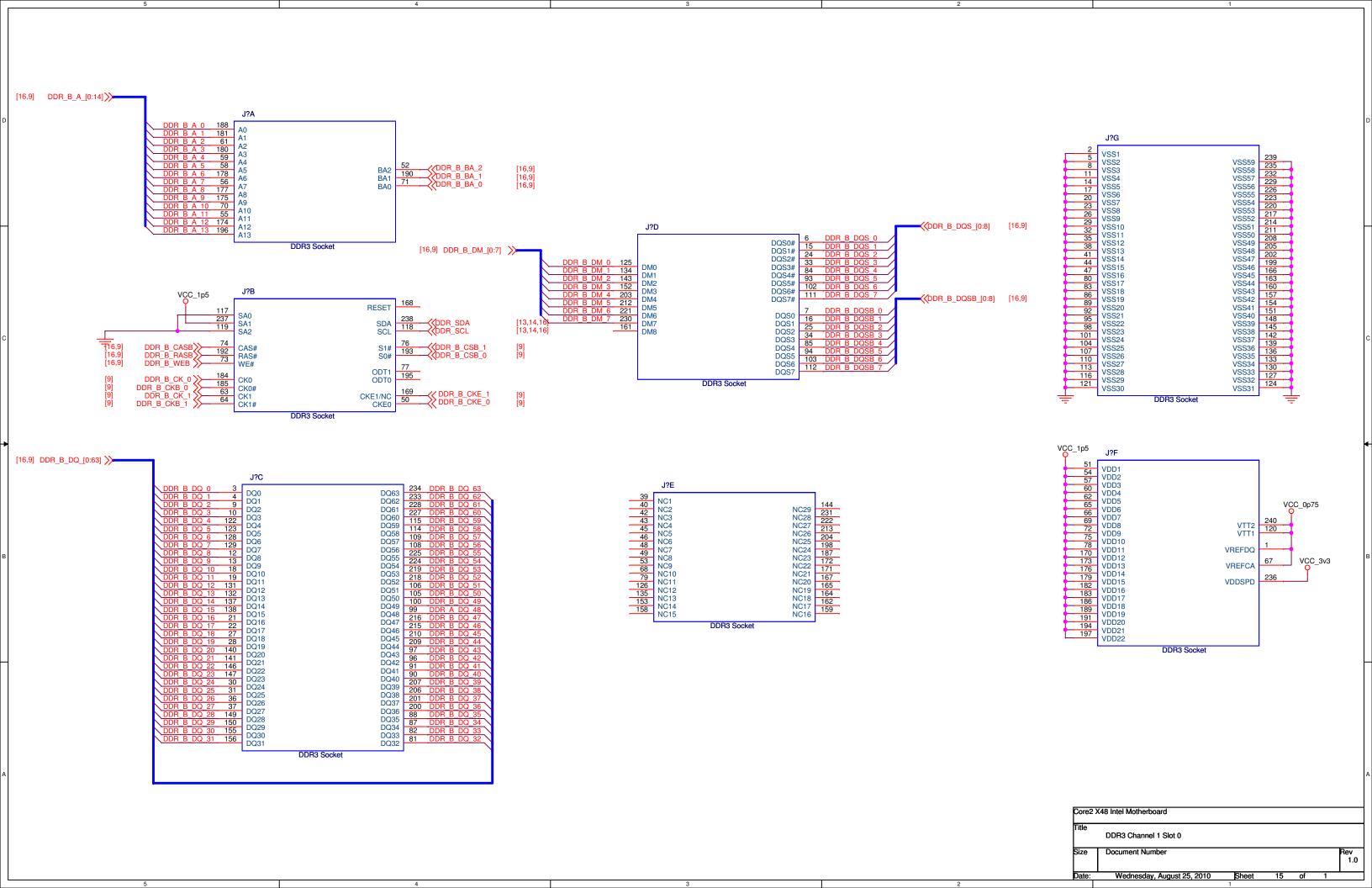
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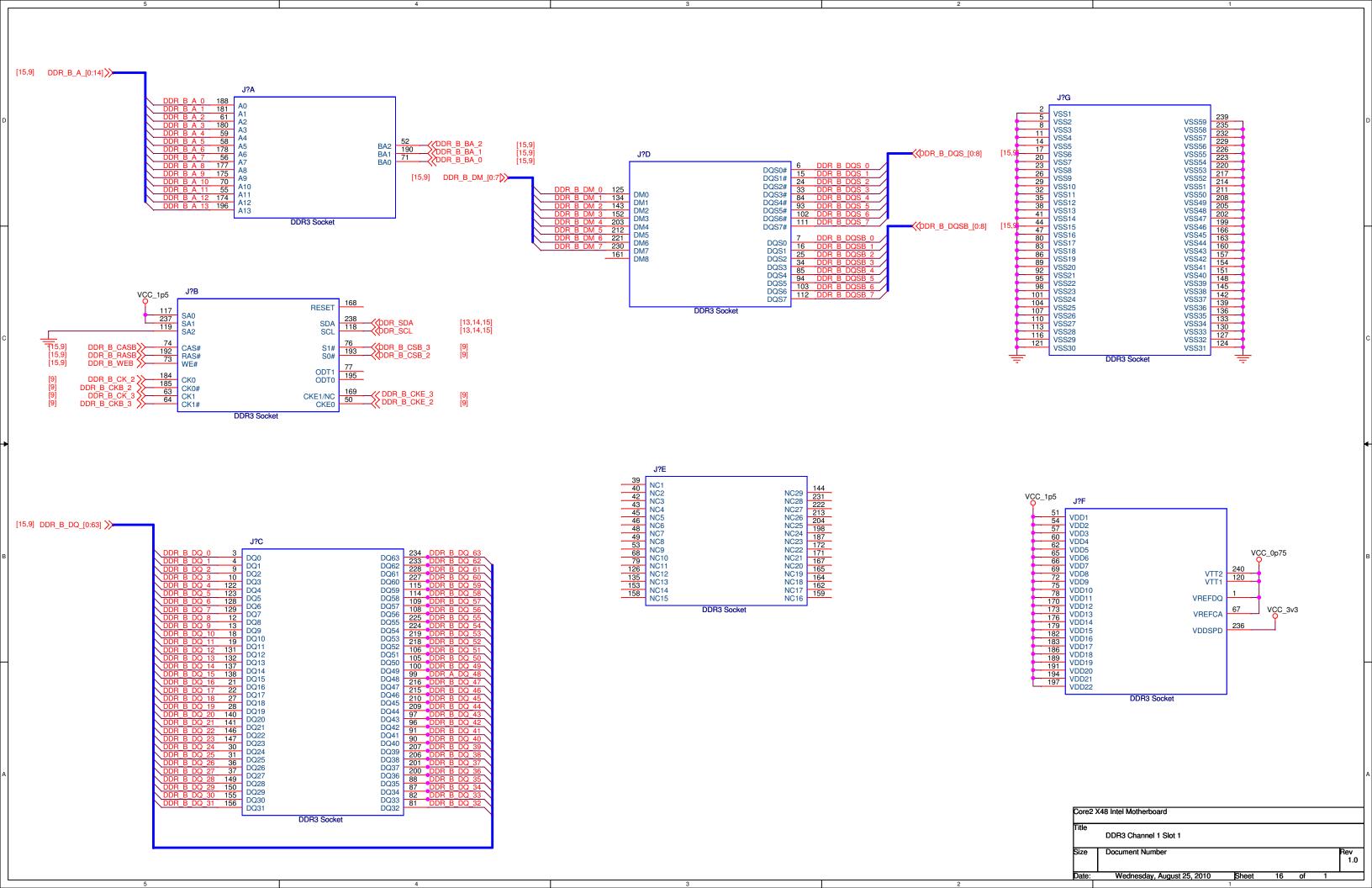
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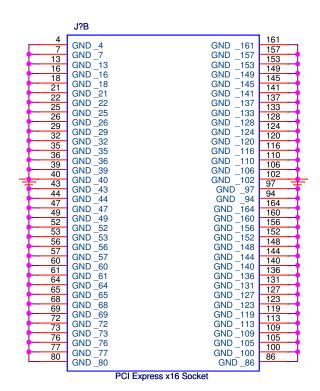


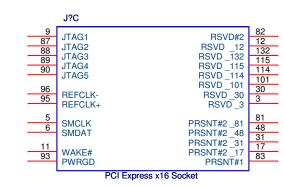


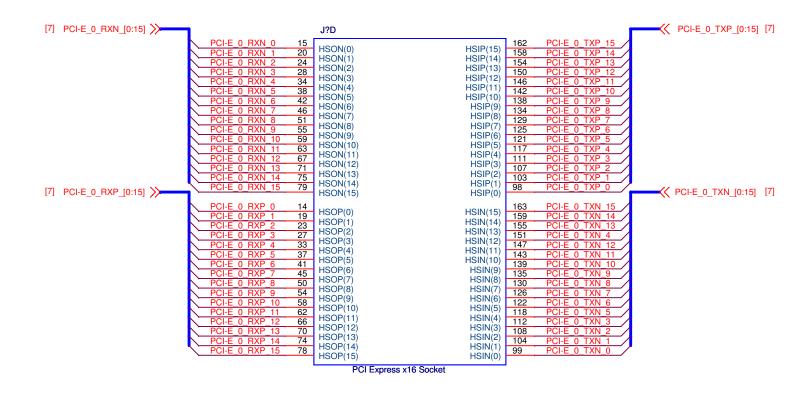




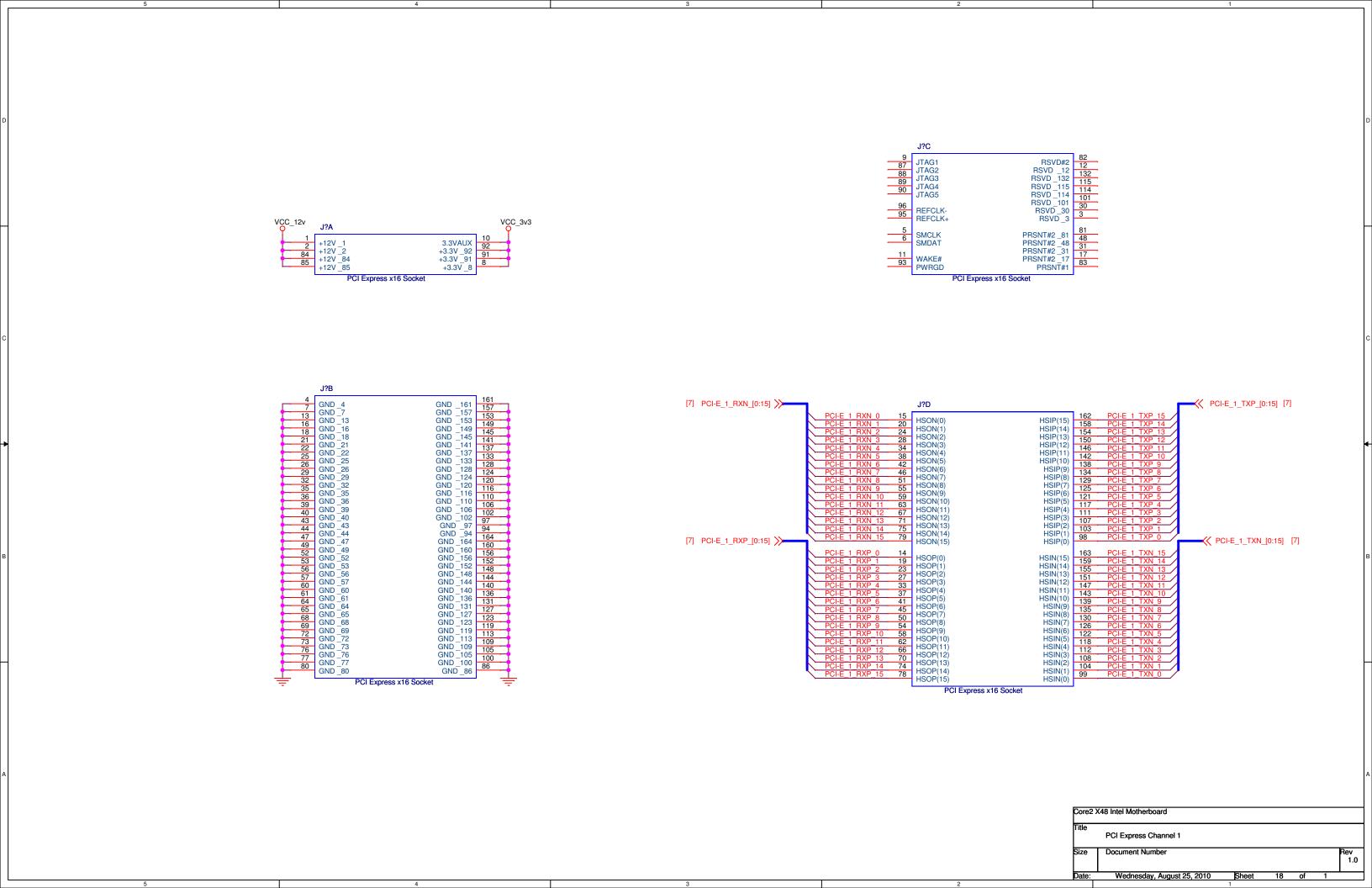


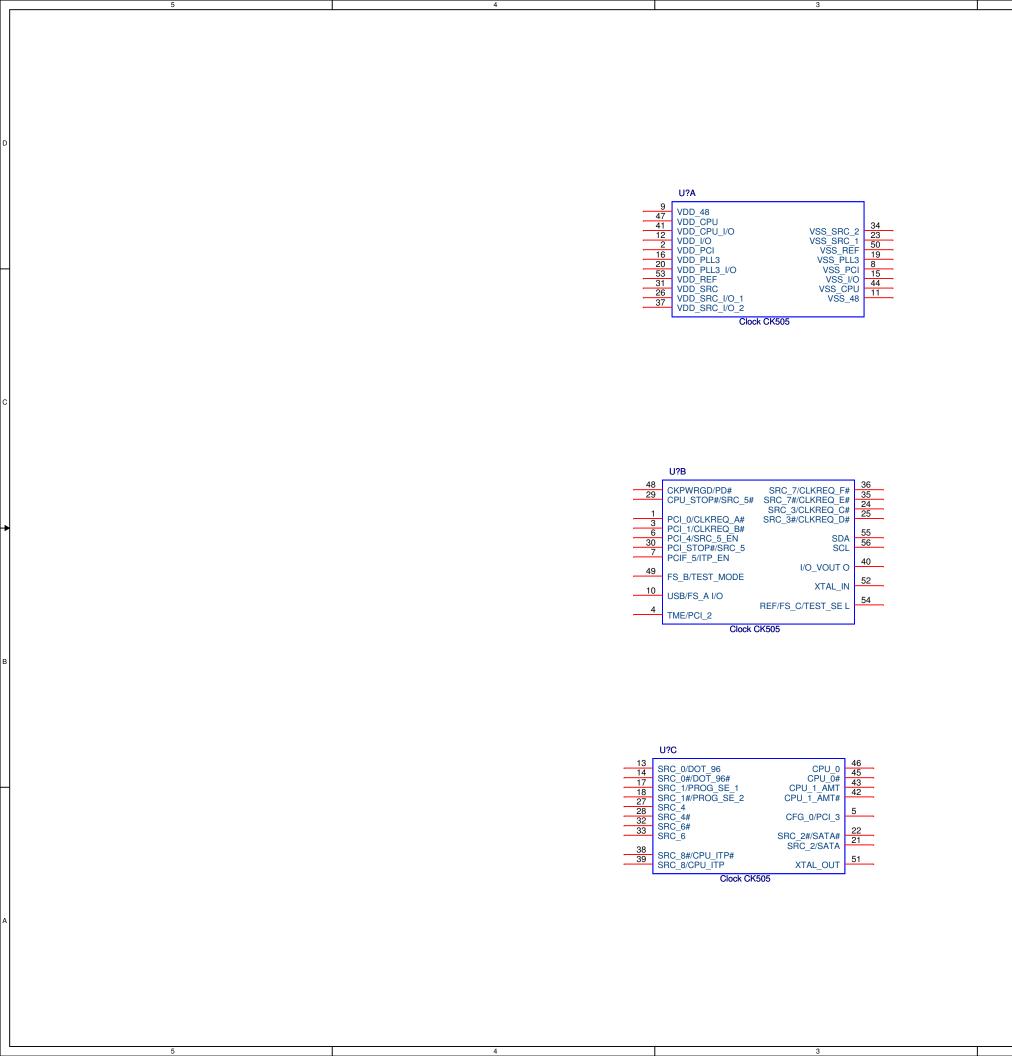






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| 13 | DDR3 Channel 0 Slot 0 |
| 14 | DDR3 Channel 0 Slot 1 |
| 15 | DDR3 Channel 1 Slot 0 |
| 16 | DDR3 Channel 1 Slot 1 |
| 17 | PCI Express Channel 0 |
| 18 | PCI Express Channel 1 |
| 19 | Clock Synthesizer |

Core2 X48 Intel Motherboard

Title X48 Express Northbridge Info

Size Document Number Rev 1.

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