

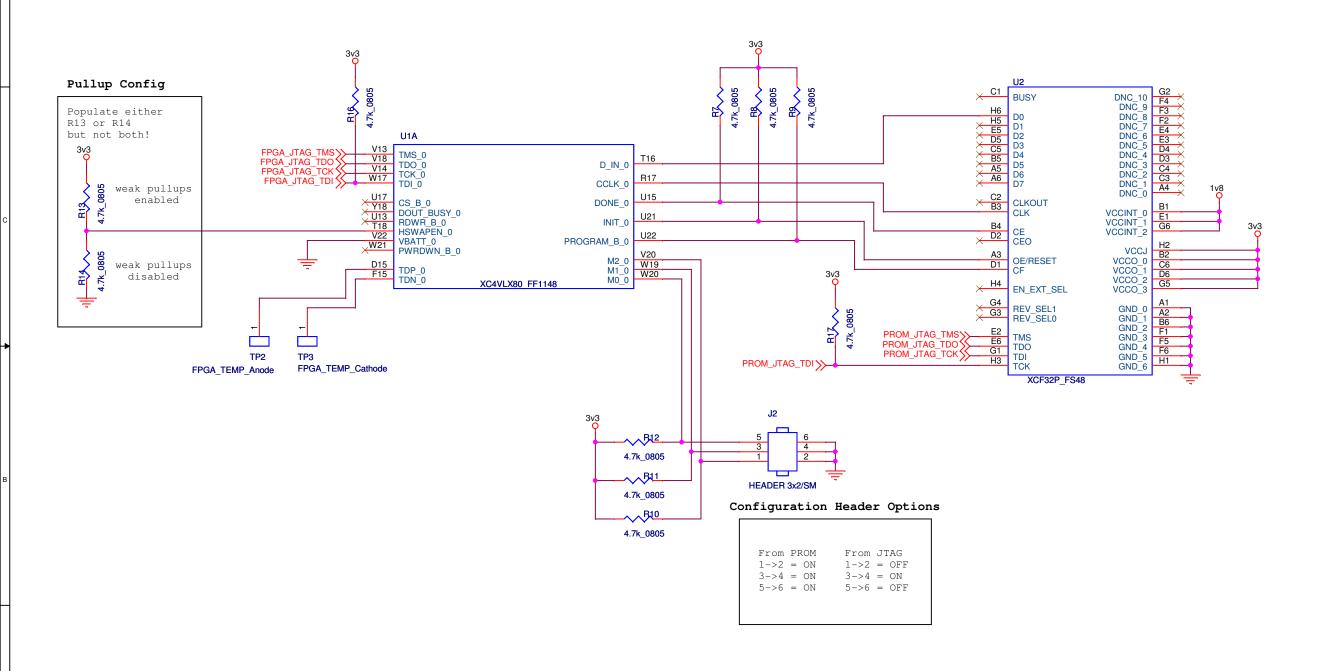
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U1B D16 C15 D20 C20 M16 PCI\_ACK64
PCI\_SERR
PCI\_PERR IO\_L14P\_GC\_LC\_1 IO L14P GC LC 1
IO L14N GC LC 1
IO L15P GC LC 1
IO L15P GC LC 1
IO L16P GC CC LC 1
IO L16N GC CC LC 1
IO L16N GC CC LC 1
IO L10N D24 VREF LC 1
IO L10N D30 LC 1
IO L10N D30 LC 1
IO L2P D39 LC 1 Extra IO B1 2 Extra\_IO\_B1\_3 Extra\_IO\_B1\_4 Extra\_IO\_B1\_5 Extra IO B1 6 Extra\_IO\_B1\_7 Extra IO B1 8 Extra IO B1 9 IO\_L2P\_D29\_LC\_1 IO\_L2N\_D28\_LC\_1 Extra\_IO\_B1\_ Extra IO B1 11 IO L3P D27 LC Extra\_IO\_B1\_12 IO\_L3N\_D26\_LC\_1 Extra IO B1 13 IO\_L4P\_D25\_LC\_1 IO\_L5P\_D23\_LC\_1 O\_L5N\_D22\_LC\_1
IO\_L6P\_D21\_LC\_1
IO\_L6N\_D20\_LC\_1
IO\_L7N\_D19\_LC\_1
IO\_L7N\_D18\_LC\_1
IO\_L7N\_D18\_LC\_1
IO\_L8P\_D17\_CC\_LC\_1
IO\_L8P\_D17\_CC PCI\_FRAME Extra\_IO\_B1\_15 Extra\_IO\_B1\_16 Extra\_IO\_B1\_17 Extra\_IO\_B1\_19 PCI\_C/BE3 D19 | IO\_L11P\_GC\_LC\_1 |
C17 | IO\_L11N\_GC\_LC\_1 |
C19 | C18 | IO\_L12P\_GC\_LC\_1 |
IO\_L13P\_GC\_LC\_1 |
IO\_L13N\_GC\_LC\_1 | IO\_L8P\_D17\_CC\_LC\_1 IO\_L8N\_D16\_CC\_LC\_1 A20 PCI\_IDSEL IO\_L17P\_CC\_LC\_1 IO\_L17N\_CC\_LC\_1 XC4VLX80\_FF1148

U1C AD19
AE19
IO L23P\_VRN\_LC\_2
IO L23N\_VRP\_LC\_2
IO L23N\_VRP\_LC\_2
IO L23N\_VRP\_LC\_2
IO L20N\_VREF\_LC\_2
IO L17P\_LC\_2
IO L18P\_LC\_2
IO L19P\_LC\_2
IO L19P\_LC\_2
IO L19P\_LC\_2
IO L19P\_LC\_2
IO L21P\_LC\_2
IO L10P\_GC\_LC\_2
IO L11P\_GC\_LC\_2
IO L11P\_GC\_LC\_2 AD19 IO\_L23P\_VRN\_LC\_2

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U10 GND\_D18
GND\_P18
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GND\_AD18
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GND\_AD19
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GND\_AG19
GND\_AG19
GND\_AG19
GND\_AG19
GND\_C10
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GND\_Y20
GND\_Y20
GND\_Y20
GND\_Y20
GND\_Y20
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GND\_C21
GND\_C21
GND\_C21
GND\_C21
GND\_AC21
GND\_C21
GND\_C22
GND GND B1 GND\_C1 N1 AC1 AN1 F2 T2 AF2 AP2 J3 W3 GND\_N1 GND\_AC1 GND\_AN1 GND\_F2 GND\_T2 GND\_AF2 GND\_AP2 GND\_J3 GND\_W3 GND\_AJ3 AJ3 B4 M4 GND B4 GND\_M4 GND\_AB4 GND\_AM4 AB4 AM4 GND\_E5 GND\_R5 GND\_AE5 GND\_H6 GND\_V6 GND\_AH6 GND\_A7 AE5 GND\_Y22 AD22 GND\_AD22 AF22 GND\_AF22 J23 GND\_L23 L23 GND\_W23 AC23 GND\_AC23 AC23 GND\_AC23 AE23 GND\_AC23 AL23 GND\_AC23 AL23 GND\_AC23 AL23 GND\_AC23 AL23 GND\_AC24 AL23 GND\_AC25 B24 GND L7 GND\_AA7 GND\_AL7 GND\_D8 AL7 D8 P8 GND\_P8 AD8 GND\_AD8 GND\_AP8 GND\_G9 AP8 G9 U9 GND\_U9 GND\_AG9 GND\_K10 GND\_B24
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GND\_M24
GND\_AB24
GND\_AB24
GND\_AD24
GND\_AD24
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GND\_G34 AK10 GND\_Y10 GND\_AK10 GND\_C11 GND\_C11 GND\_L11 N11 GND\_L11
AC11 GND\_N11
AN11 GND\_AC1
F12 GND\_AN1
K12 GND\_F12 GND\_AC11 GND\_AN11 GND\_F12 GND\_K12 GND\_M12 GND\_T12 GND AD12 J13 GND\_AF12
L13 GND\_L13
R13 GND\_L13 R13 GND\_R13 W13 GND\_R13 AC13 GND\_W13 AE13 GND\_AC13 AJ13 GND\_AE13 B14 GND\_B14 GND\_M14 T14 GND\_M14 GND\_R13 GND\_T14 AB14 GND\_AB14 AD14 GND\_AD14 GND\_AM14 AM14 E15 GND\_AM1-GND\_E15 GND\_R15 GND\_W15 W15 AE15 H16 GND\_AE15 GND\_H16 GND\_P16 GND\_V16 AH16 GND AH16 GND\_B34 GND\_AB34 GND\_AB34 GND\_AM34 GND\_AM34 GND\_AM34 GND\_AP16 GND\_L17 GND\_AA17 GND\_AL17 XC4VLX80\_FF1148

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U1P U14 T17 W18 VCCO\_0\_0 R20 P23 N26 VCCO 9 0 VCCO\_9\_1 VCCO\_0\_2 VCCO\_9\_2 VCCO\_9\_2 VCCO\_9\_3 M29 VCC VCCO\_0\_3 VCCO 9 4 H31 VCCO\_9\_5 VCCO\_9\_6 D33 VCCO\_1\_0 VCCO\_1\_1 VCCO\_1\_2 VCCO\_9\_6 VCCO 9 7 C16 B19 VCCO\_1\_3 W19 VCCO\_1\_4 G34 VCCO\_9\_8 E20 VCCO\_1\_6 VCCO\_10\_0 VCCO\_10\_1 VCCO\_10\_2 VCCO\_10\_3 VCCO\_10\_4 VCCO\_10\_4 V66 VCCO\_1\_7 AG14 VCCO 2 0 VCCO\_10\_4 VCCO\_10\_5 M9 VCCO 2 AC16 VCCO\_2\_1 AN16 VCCO\_2\_2 VCCO\_10\_6 VCCO\_10\_7 VCCO\_10\_8 AN16 VCCO\_2\_2 AB19 VCCO\_2\_3 VCCO\_2\_4 VCCO\_2\_5 VCCO\_2\_6 VCCO\_10\_8 AA22 VCCO\_11\_0 AH21 VCCO\_1 VCCO\_1 VCCO\_2\_7 A22 VCCO\_5\_0
G24 VCCO\_5\_0
K25 VCCO\_5\_2
C26 VCCO\_5\_4
F27 VCCO\_5\_5
E30 VCCO\_5\_8
VCCO\_5\_8 AB29 VCCO\_ AE30 VCCO\_1 1\_4 AH31 1\_5 AL32 1\_6 AD33 VCCO VCCO 1 AG34 VCCO\_11 AH1 VCCO\_12\_0 AL2 AD3 AG4 VCCO\_5\_8 VCCO\_12\_ VCCO 12 2 A2 VCCO\_6\_0 C6 VCCO\_6\_1 VCCO\_12\_3 VCCO\_12\_4 AC6 VCCO\_12\_4 AF7 VCCO 6 0 VCCO\_6\_2 VCCO\_12\_ VCCO\_12\_5 VCCO\_12\_6 AB9 AA12 VCCO 6 3 VCCO\_6\_4 VCCO\_12 Y15 H11 VCCO\_6\_5 VCCO\_12\_8 A12 VCCO\_6\_6 D13 VCCO\_6\_8 U24 T27 W28 VCCO 13 0 VCCO 13 1 VCCO\_13 AL22 AP23 R30 V31 VCCO\_7\_0 VCCO\_7\_1 VCCO 13 AG24 AK25 VCCO\_13\_4 AA32 VCCO\_13\_5 VCCO\_13\_6 VCCO\_13\_6 U34 VCCO\_7\_2 VCCO\_7\_3 VCCO\_7\_4 AN26 AF27 VCCO 13 VCCO 7 5 AJ28 AM29 VCCO\_7\_6 VCCO\_14\_0 AA2 VCCO\_14\_1 VCCO\_14\_2 VCCO\_7 AP33 VCCO\_7\_8 VCCO\_14\_3 AP3 AK5 AN6 VCCO\_8\_0 VCCO\_14\_4 VCCO\_14\_5 VCCO\_14\_6 VCCO\_14\_7 VCCO\_8\_1 VCCO 8 2 AJ8 AM9 VCCO\_8\_3 VCCO\_14\_ VCCO\_8\_4 VCCO\_8\_5 AE10 AH11 AJ18 AF17 VCCO 4 1 VCCO 8 6 VCCO\_4\_0 VCCO\_8\_ J18 F17 VCCO\_3\_1 VCCO\_8\_8 VCCO 3 0 XC4VLX80\_FF1148

U1Q VCCINT VCCINT K7 VCCINT\_U18 AA18 VCCINT K7 VCCINT\_AA18 AC18 VCCINT\_AB7 VCCINT\_AC18
VCCINT\_P19
VCCINT\_P19
VCCINT\_Y19
VCCINT\_Y19
VCCINT\_AF19
VCCINT\_G20
VCCINT\_IQ20
VCCINT\_IQ20
VCCINT\_IQ20
VCCINT\_IQ20
VCCINT\_IQ20
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VCCINT\_IQ20 VCCINT\_AF9 VCCINT I 10 AC12 VCCINI\_HIZ VCCINT\_AC12 VCCINT\_AE12 VCCINT\_AE12 VCCINT\_U20 VCCINT\_A20 VCCINT\_A20 VCCINT\_AC20 VCCINT\_AC20 K21 VCCINT K13 M13 VCCINT\_K21 VCCINT\_M21 VCCINT\_M21 VCCINT\_T21 V21 VCCINT\_M13 AD13 VCCINT\_T13 VCCINT\_AD13 VCCINT\_Y21 AB21 AH13 VCCINT\_AF13 VCCINT\_AB21 VCCINT\_G22 VCCINT\_G22 VCCINT\_J22 VCCINT\_L22 VCCINT\_W22 VCCINT\_AH13 N14 R14 VCCINT N14 W14 VCCINT\_R14 AC14 VCCINT\_W14 VCCINT\_W22 VCCINT\_AC22 VCCINT\_AC22 VCCINT\_AE22 VCCINT\_K23 VCCINT\_K23 VCCINT\_M23 AE14 VCCINT\_AC14 M15 VCCINT\_AE14 VCCINT\_M15 VCCINT\_P15 VCCINT\_M23 VCCINT\_Y23 VCCINT\_Y23 AD23 VCCINT\_T15 VCCINT\_V15 V15 AD15 VCCINT\_AD23 AF23 VCCINT AD15 AH15 VCCINT\_AF23 VCCINT\_N24 AE24 VCCINT\_AH15 J16 R16 VCCINT\_J16 VCCINT\_R16 VCCINT\_AE24 AD25 W16 VCCINT\_AD25 J26 VCCINT\_W16 AA16 VCCINT\_J26 N28 P17 VCCINT\_AA16
V17 VCCINT\_P17 VCCINT\_AA16 VCCINT\_N28 AE28 VCCINT AE28 VCCINT\_V17 XC4VLX80\_FF1148

U1R VCCAUX VCCAUX\_N8 F9 VCCAUX F9 VCCAUX T9 AH9 VCCAUX VCCAUX\_AH9 VCCAUX\_J10 VCCAUX\_AA10 AA10 B16 AVDD\_ADC M11 AD11 VCCAUX\_M11 AG12 VCCAUX AD11 VCCAUX AG12 VCCAUX AG12 VCCAUX U16 VREFN\_SM AN18 AP19 AP17 VREFP\_SM AVDD\_SM VN\_SM AP18 VCCAUX\_AJ16 Y17 VCCAUX\_AJ16
Y17 VCCAUX\_Y17
R18 VCCAUX\_R18
F19 VCCAUX\_F19 VP\_SM AN19 AVSS\_SM VCCAUX F19 V19 VCCAUX\_V19 VCCAUX\_H23 VCCAUX\_L24 124 AC24 P25 VCCAUX\_AC24 VCCAUX\_P25 VCCAUX\_P25 VP ADC A16 AVSS\_ADC G26 VCCAUX\_AF25 W26 VCCAUX\_G26 AJ26 VCCAUX\_W26 VCCAUX\_AJ26 VCCAUX\_AJ26 VCCAUX\_AB27 XC4VLX80 FF1148

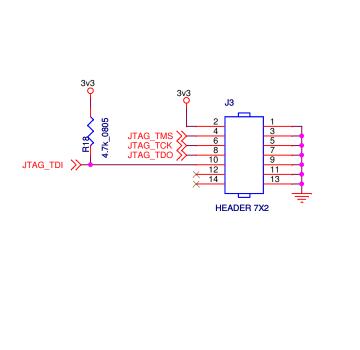
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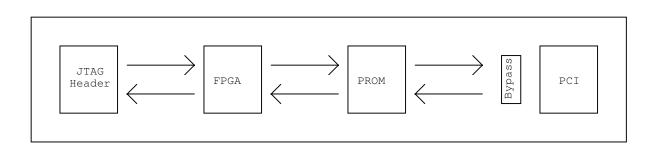
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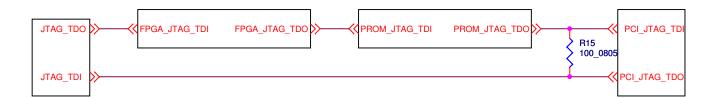
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## JTAG Path





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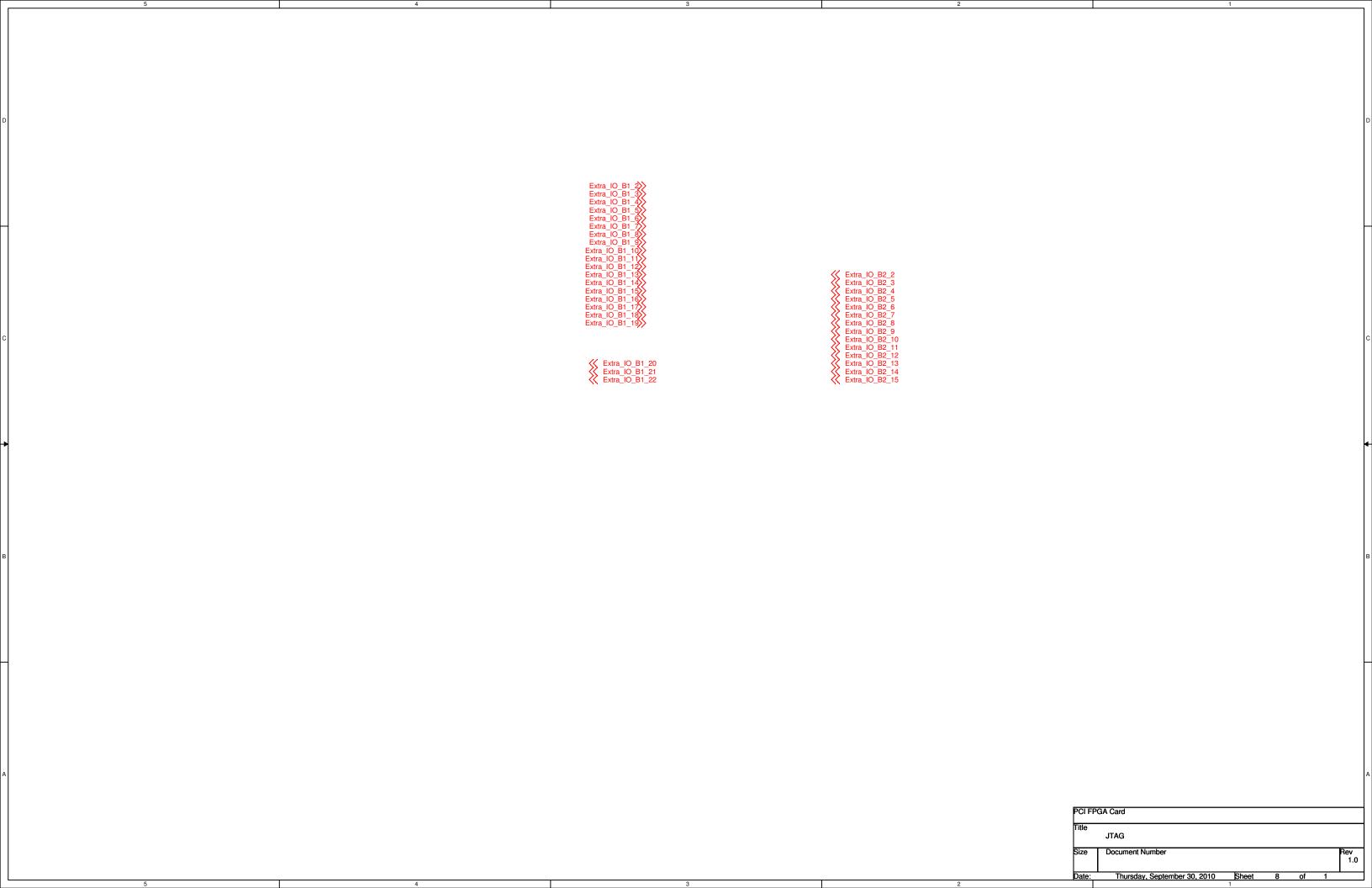
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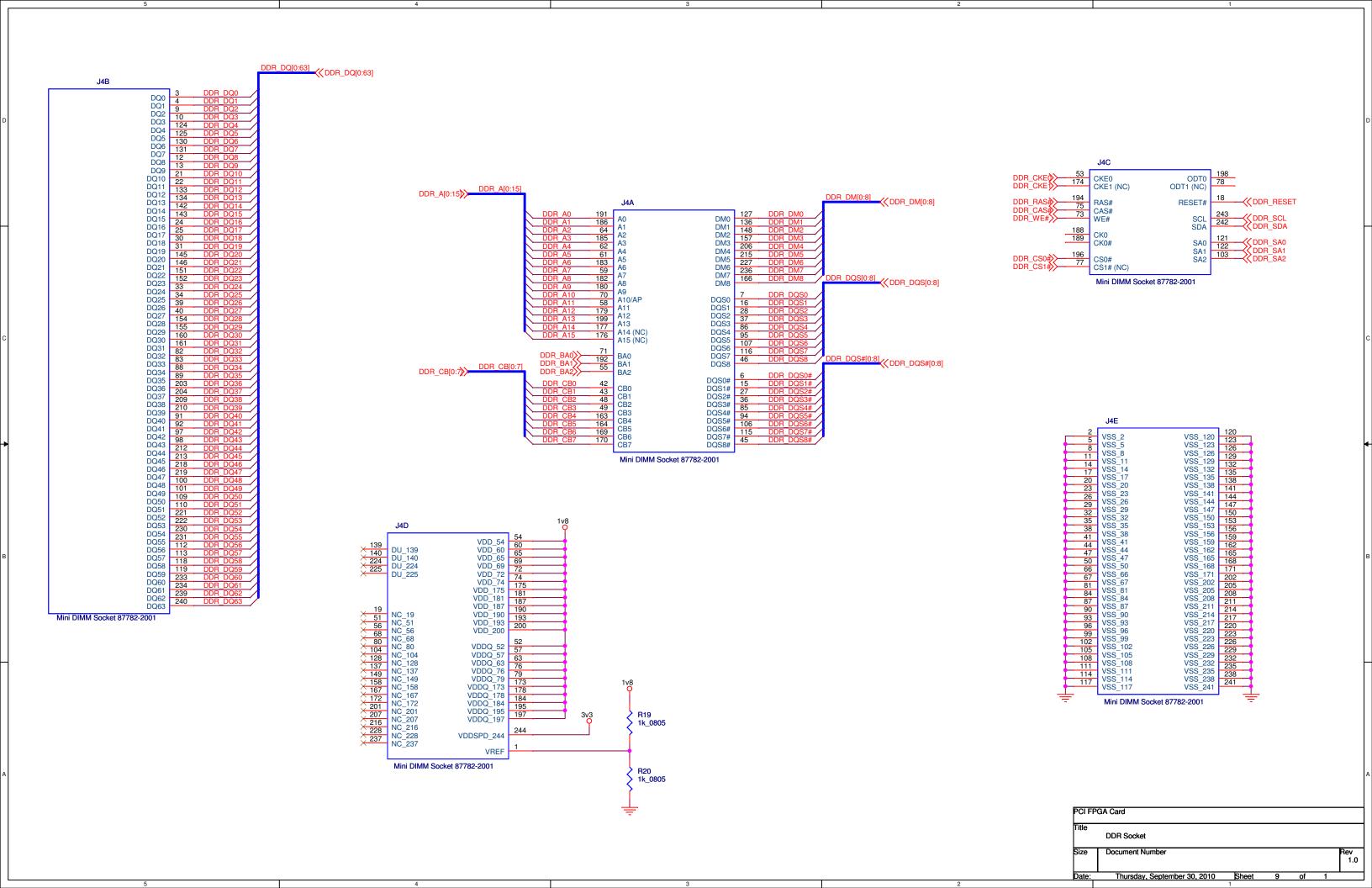
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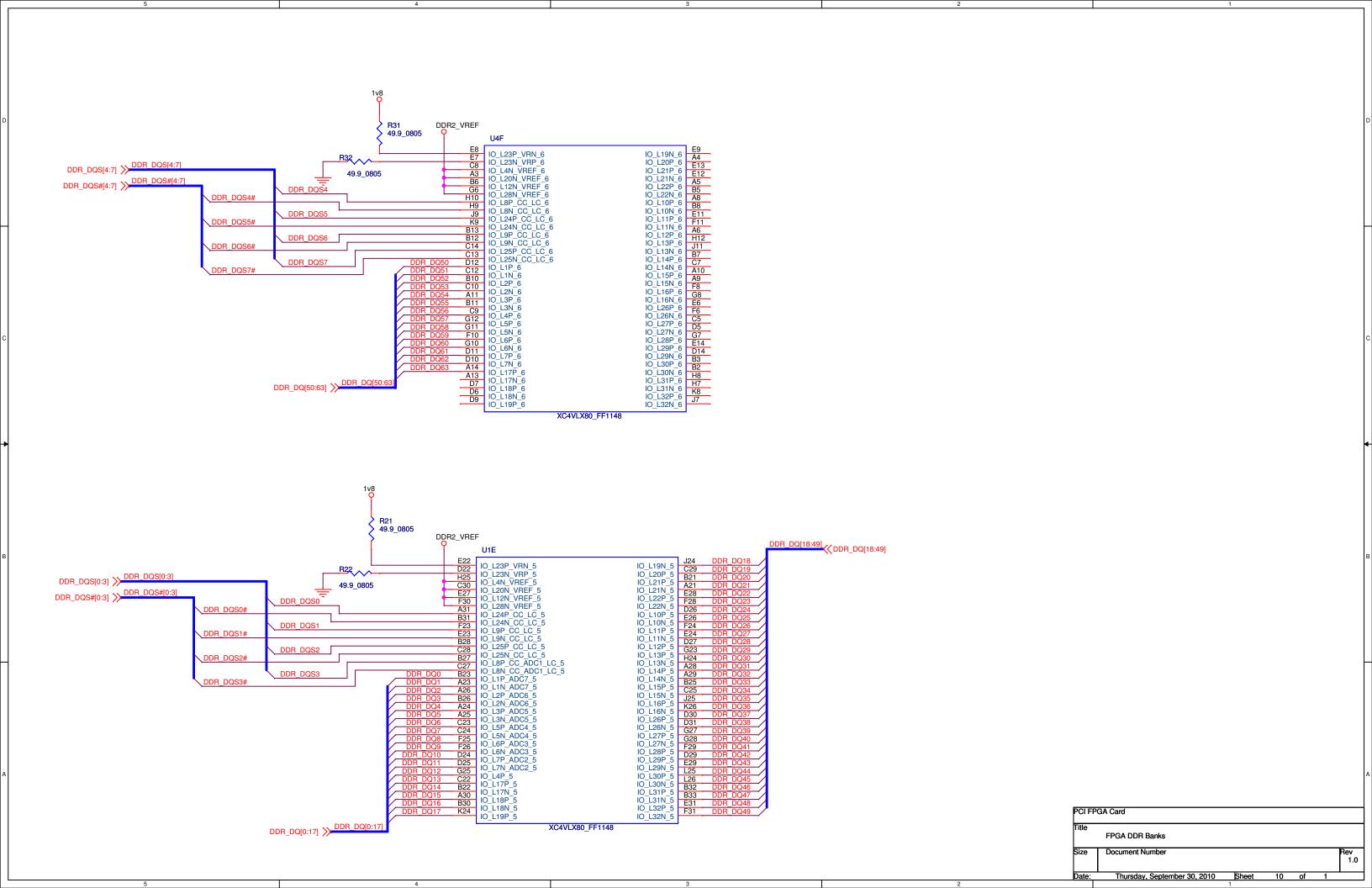
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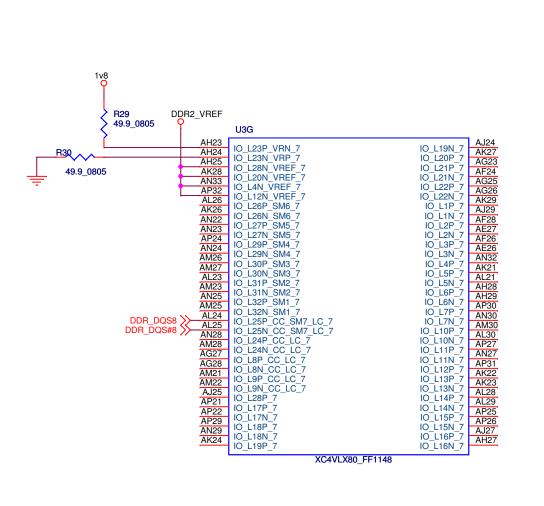
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