

|     |     |              |     |  |   |  |  |  |  |   |  |  |  |  |   |  |  |                                                                                                                                                                                                                                                                                                                                                                 |  |   |  |  |  |  |  |  |             |  |  |  |  |              |  |  |    |     |     |  |  |     |  |    |     |  |     |  |     |  |  |
|-----|-----|--------------|-----|--|---|--|--|--|--|---|--|--|--|--|---|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---|--|--|--|--|--|--|-------------|--|--|--|--|--------------|--|--|----|-----|-----|--|--|-----|--|----|-----|--|-----|--|-----|--|--|
| 5   |     |              |     |  | 4 |  |  |  |  | 3 |  |  |  |  | 2 |  |  |                                                                                                                                                                                                                                                                                                                                                                 |  | 1 |  |  |  |  |  |  |             |  |  |  |  |              |  |  |    |     |     |  |  |     |  |    |     |  |     |  |     |  |  |
| D   |     |              |     |  |   |  |  |  |  |   |  |  |  |  |   |  |  |                                                                                                                                                                                                                                                                                                                                                                 |  |   |  |  |  |  |  |  |             |  |  |  |  |              |  |  |    |     |     |  |  |     |  |    |     |  |     |  |     |  |  |
| C   |     |              |     |  |   |  |  |  |  |   |  |  |  |  |   |  |  |                                                                                                                                                                                                                                                                                                                                                                 |  |   |  |  |  |  |  |  |             |  |  |  |  |              |  |  |    |     |     |  |  |     |  |    |     |  |     |  |     |  |  |
| B   |     |              |     |  |   |  |  |  |  |   |  |  |  |  |   |  |  |                                                                                                                                                                                                                                                                                                                                                                 |  |   |  |  |  |  |  |  |             |  |  |  |  |              |  |  |    |     |     |  |  |     |  |    |     |  |     |  |     |  |  |
| A   |     |              |     |  |   |  |  |  |  |   |  |  |  |  |   |  |  |                                                                                                                                                                                                                                                                                                                                                                 |  |   |  |  |  |  |  |  |             |  |  |  |  |              |  |  |    |     |     |  |  |     |  |    |     |  |     |  |     |  |  |
|     |     |              |     |  |   |  |  |  |  |   |  |  |  |  |   |  |  | <table><tr><td colspan="2"></td><td colspan="3">图纸名称: &lt;Doc&gt;</td></tr><tr><td colspan="2"></td><td colspan="3">第 1 页 共 13 页</td></tr><tr><td>设计</td><td>HXD</td><td>批准:</td><td colspan="2"></td></tr><tr><td>校对:</td><td></td><td>版本</td><td colspan="2">V10</td></tr><tr><td>审核:</td><td></td><td>日期:</td><td colspan="2" rowspan="2"></td></tr></table> |  |   |  |  |  |  |  |  | 图纸名称: <Doc> |  |  |  |  | 第 1 页 共 13 页 |  |  | 设计 | HXD | 批准: |  |  | 校对: |  | 版本 | V10 |  | 审核: |  | 日期: |  |  |
|     |     | 图纸名称: <Doc>  |     |  |   |  |  |  |  |   |  |  |  |  |   |  |  |                                                                                                                                                                                                                                                                                                                                                                 |  |   |  |  |  |  |  |  |             |  |  |  |  |              |  |  |    |     |     |  |  |     |  |    |     |  |     |  |     |  |  |
|     |     | 第 1 页 共 13 页 |     |  |   |  |  |  |  |   |  |  |  |  |   |  |  |                                                                                                                                                                                                                                                                                                                                                                 |  |   |  |  |  |  |  |  |             |  |  |  |  |              |  |  |    |     |     |  |  |     |  |    |     |  |     |  |     |  |  |
| 设计  | HXD | 批准:          |     |  |   |  |  |  |  |   |  |  |  |  |   |  |  |                                                                                                                                                                                                                                                                                                                                                                 |  |   |  |  |  |  |  |  |             |  |  |  |  |              |  |  |    |     |     |  |  |     |  |    |     |  |     |  |     |  |  |
| 校对: |     | 版本           | V10 |  |   |  |  |  |  |   |  |  |  |  |   |  |  |                                                                                                                                                                                                                                                                                                                                                                 |  |   |  |  |  |  |  |  |             |  |  |  |  |              |  |  |    |     |     |  |  |     |  |    |     |  |     |  |     |  |  |
| 审核: |     | 日期:          |     |  |   |  |  |  |  |   |  |  |  |  |   |  |  |                                                                                                                                                                                                                                                                                                                                                                 |  |   |  |  |  |  |  |  |             |  |  |  |  |              |  |  |    |     |     |  |  |     |  |    |     |  |     |  |     |  |  |
| 5   |     |              |     |  | 4 |  |  |  |  | 3 |  |  |  |  | 2 |  |  |                                                                                                                                                                                                                                                                                                                                                                 |  | 1 |  |  |  |  |  |  |             |  |  |  |  |              |  |  |    |     |     |  |  |     |  |    |     |  |     |  |     |  |  |

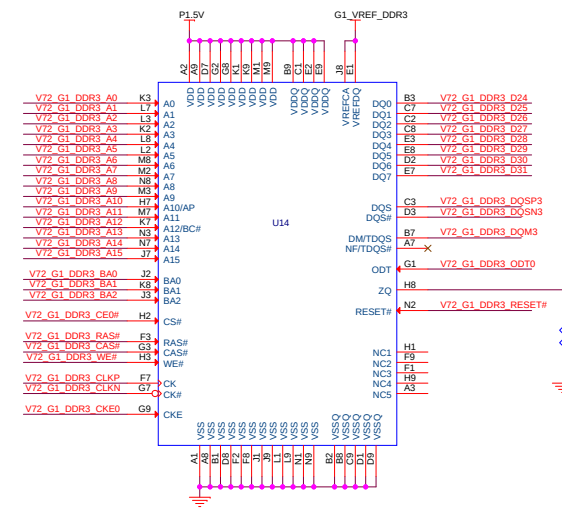
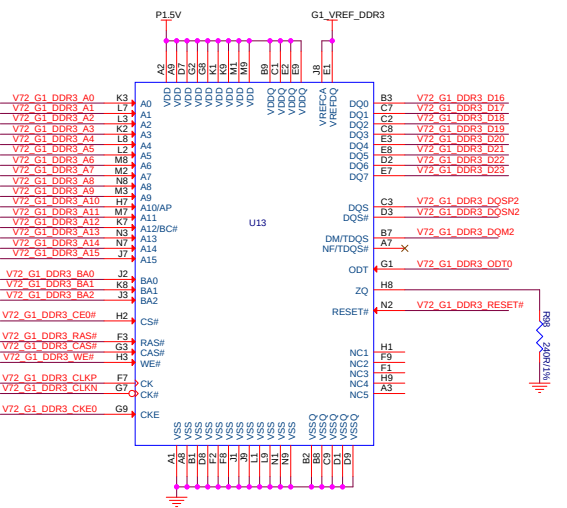
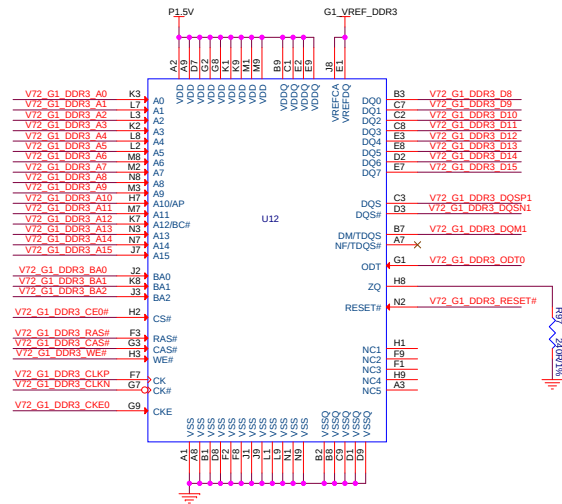
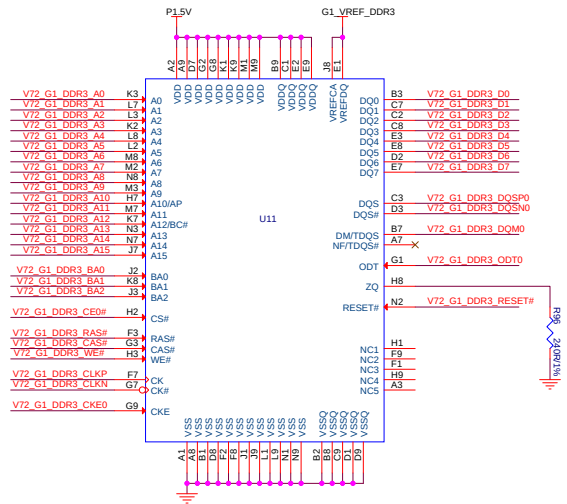
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|----------|----------|--------------|------------|--|---|--|--|--|--|---|--|--|--|--|---|--|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---|--|--|--|--|--|--|--------------|--|--|--|--|--------------|--|--|----------|------|--|------------|--|------|----------|--|--|--|------|------|--|--|--|
| 5        |          |              |            |  | 4 |  |  |  |  | 3 |  |  |  |  | 2 |  |  |                                                                                                                                                                                                                                                                                                                                                                                            |  | 1 |  |  |  |  |  |  |              |  |  |  |  |              |  |  |          |      |  |            |  |      |          |  |  |  |      |      |  |  |  |
| D        |          |              |            |  |   |  |  |  |  |   |  |  |  |  |   |  |  |                                                                                                                                                                                                                                                                                                                                                                                            |  |   |  |  |  |  |  |  |              |  |  |  |  |              |  |  |          |      |  |            |  |      |          |  |  |  |      |      |  |  |  |
| C        |          |              |            |  |   |  |  |  |  |   |  |  |  |  |   |  |  |                                                                                                                                                                                                                                                                                                                                                                                            |  |   |  |  |  |  |  |  |              |  |  |  |  |              |  |  |          |      |  |            |  |      |          |  |  |  |      |      |  |  |  |
| B        |          |              |            |  |   |  |  |  |  |   |  |  |  |  |   |  |  |                                                                                                                                                                                                                                                                                                                                                                                            |  |   |  |  |  |  |  |  |              |  |  |  |  |              |  |  |          |      |  |            |  |      |          |  |  |  |      |      |  |  |  |
| A        |          |              |            |  |   |  |  |  |  |   |  |  |  |  |   |  |  |                                                                                                                                                                                                                                                                                                                                                                                            |  |   |  |  |  |  |  |  |              |  |  |  |  |              |  |  |          |      |  |            |  |      |          |  |  |  |      |      |  |  |  |
|          |          |              |            |  |   |  |  |  |  |   |  |  |  |  |   |  |  | <table><tr><td colspan="2"></td><td colspan="3">图纸名称 : &lt;Doc&gt;</td></tr><tr><td colspan="2"></td><td colspan="3">第 2 页 共 13 页</td></tr><tr><td>设计 &lt;HXD&gt;</td><td colspan="2">批准 :</td><td colspan="2">文档编号 &lt;Doc&gt;</td></tr><tr><td>校对 :</td><td colspan="2">版本 &lt;V10&gt;</td><td colspan="2" rowspan="3"></td></tr><tr><td>审核 :</td><td colspan="4">日期 :</td></tr></table> |  |   |  |  |  |  |  |  | 图纸名称 : <Doc> |  |  |  |  | 第 2 页 共 13 页 |  |  | 设计 <HXD> | 批准 : |  | 文档编号 <Doc> |  | 校对 : | 版本 <V10> |  |  |  | 审核 : | 日期 : |  |  |  |
|          |          | 图纸名称 : <Doc> |            |  |   |  |  |  |  |   |  |  |  |  |   |  |  |                                                                                                                                                                                                                                                                                                                                                                                            |  |   |  |  |  |  |  |  |              |  |  |  |  |              |  |  |          |      |  |            |  |      |          |  |  |  |      |      |  |  |  |
|          |          | 第 2 页 共 13 页 |            |  |   |  |  |  |  |   |  |  |  |  |   |  |  |                                                                                                                                                                                                                                                                                                                                                                                            |  |   |  |  |  |  |  |  |              |  |  |  |  |              |  |  |          |      |  |            |  |      |          |  |  |  |      |      |  |  |  |
| 设计 <HXD> | 批准 :     |              | 文档编号 <Doc> |  |   |  |  |  |  |   |  |  |  |  |   |  |  |                                                                                                                                                                                                                                                                                                                                                                                            |  |   |  |  |  |  |  |  |              |  |  |  |  |              |  |  |          |      |  |            |  |      |          |  |  |  |      |      |  |  |  |
| 校对 :     | 版本 <V10> |              |            |  |   |  |  |  |  |   |  |  |  |  |   |  |  |                                                                                                                                                                                                                                                                                                                                                                                            |  |   |  |  |  |  |  |  |              |  |  |  |  |              |  |  |          |      |  |            |  |      |          |  |  |  |      |      |  |  |  |
| 审核 :     | 日期 :     |              |            |  |   |  |  |  |  |   |  |  |  |  |   |  |  |                                                                                                                                                                                                                                                                                                                                                                                            |  |   |  |  |  |  |  |  |              |  |  |  |  |              |  |  |          |      |  |            |  |      |          |  |  |  |      |      |  |  |  |
| 5        |          |              |            |  | 4 |  |  |  |  | 3 |  |  |  |  | 2 |  |  |                                                                                                                                                                                                                                                                                                                                                                                            |  | 1 |  |  |  |  |  |  |              |  |  |  |  |              |  |  |          |      |  |            |  |      |          |  |  |  |      |      |  |  |  |



|                |     |                  |
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| 设计人: <b>ND</b> | 批准: | 文档编号: <b>Q00</b> |
|                |     |                  |

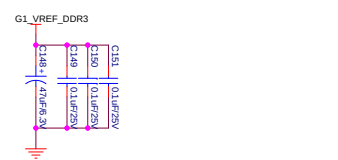
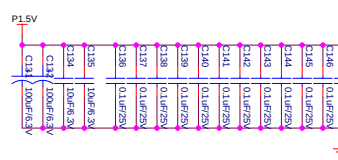


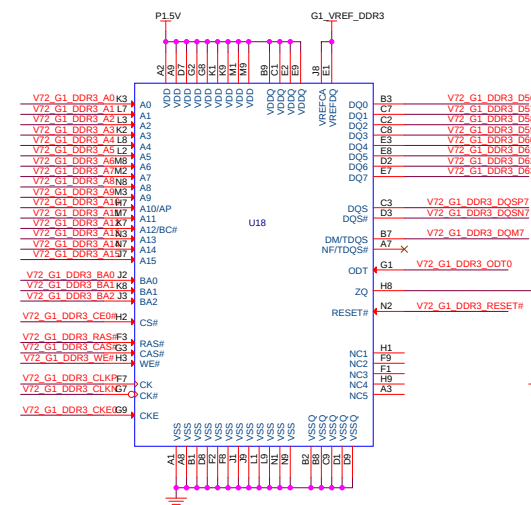
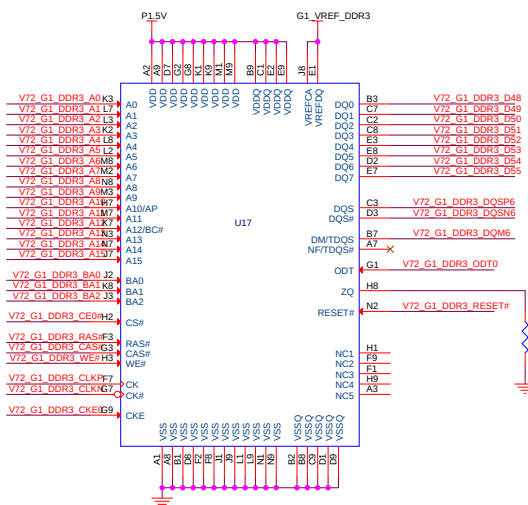
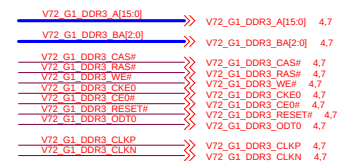
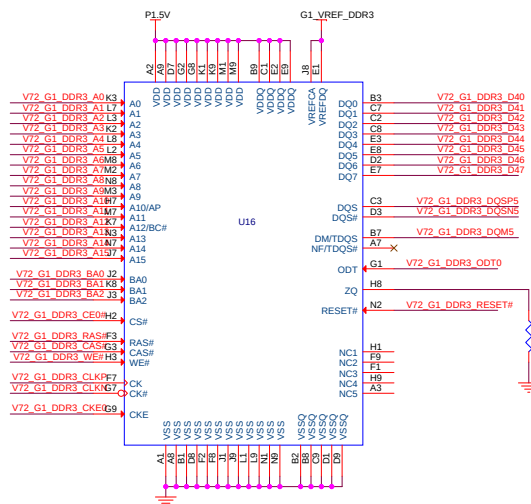
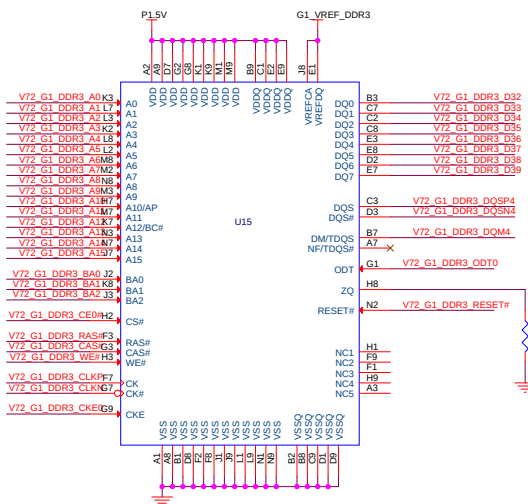




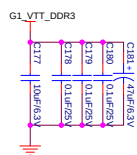
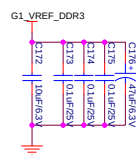
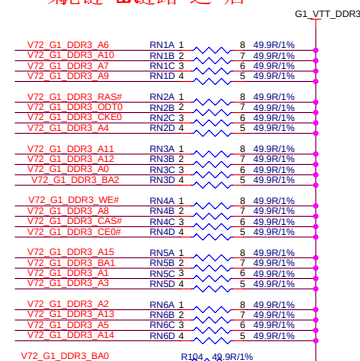
- V72\_G1\_DDR3\_A[15:0] >>> V72\_G1\_DDR3\_A[15:0] 4.8
- V72\_G1\_DDR3\_BA[2:0] >>> V72\_G1\_DDR3\_BA[2:0] 4.8
- V72\_G1\_DDR3\_CAS# >>> V72\_G1\_DDR3\_CAS# 4.8
- V72\_G1\_DDR3\_RAS# >>> V72\_G1\_DDR3\_RAS# 4.8
- V72\_G1\_DDR3\_WE# >>> V72\_G1\_DDR3\_WE# 4.8
- V72\_G1\_DDR3\_CKE0 >>> V72\_G1\_DDR3\_CKE0 4.8
- V72\_G1\_DDR3\_RESET# >>> V72\_G1\_DDR3\_RESET# 4.8
- V72\_G1\_DDR3\_ODT0 >>> V72\_G1\_DDR3\_ODT0 4.8
- V72\_G1\_DDR3\_CLKP >>> V72\_G1\_DDR3\_CLKP 4.8
- V72\_G1\_DDR3\_CLKN >>> V72\_G1\_DDR3\_CLKN 4.8

- V72\_G1\_DDR3\_D[31:0] >>> V72\_G1\_DDR3\_D[31:0] 4
- V72\_G1\_DDR3\_DQSP[3:0] >>> V72\_G1\_DDR3\_DQSP[3:0] 4
- V72\_G1\_DDR3\_DQSN[3:0] >>> V72\_G1\_DDR3\_DQSN[3:0] 4
- V72\_G1\_DDR3\_DQM[3:0] >>> V72\_G1\_DDR3\_DQM[3:0] 4

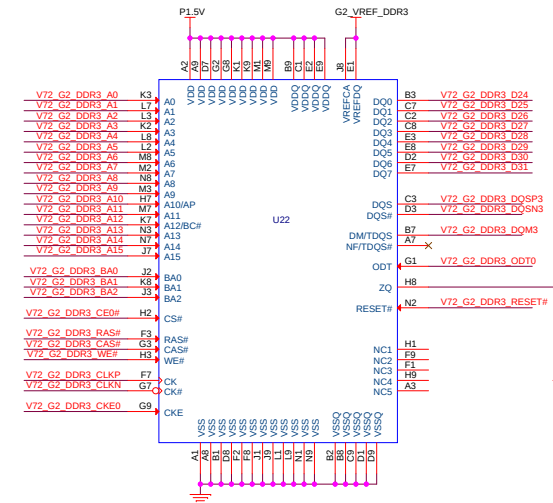
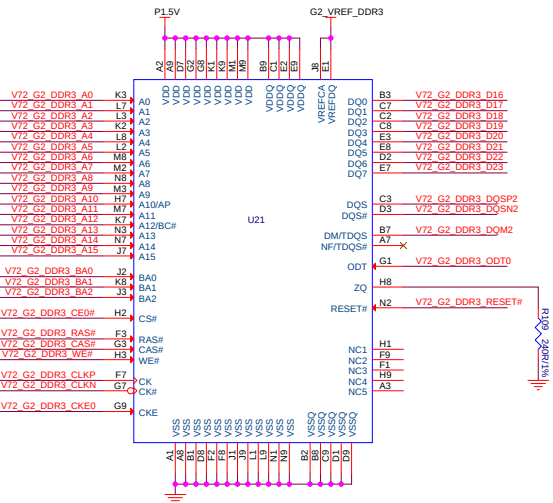
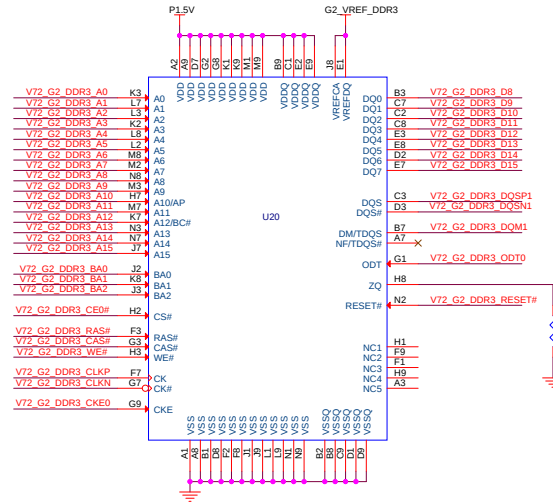
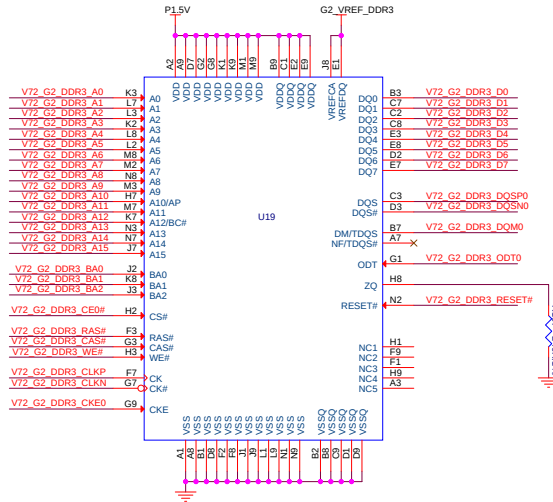




此部分电路放在菊花链 OR 链路之后



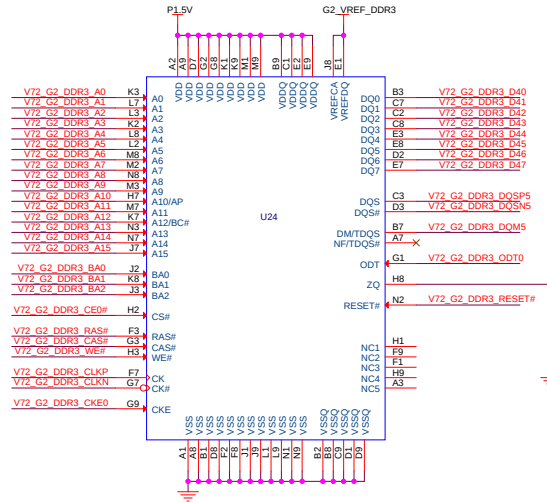
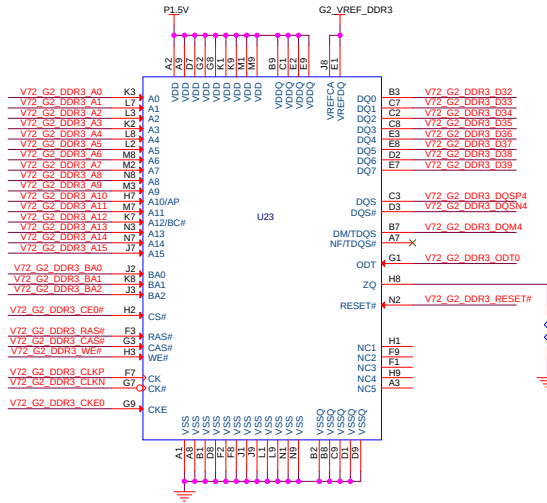




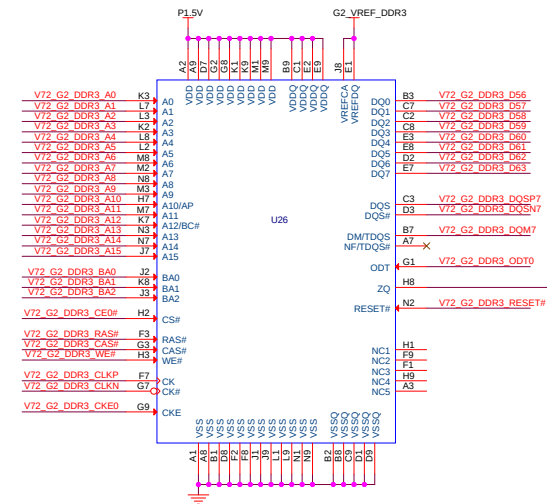
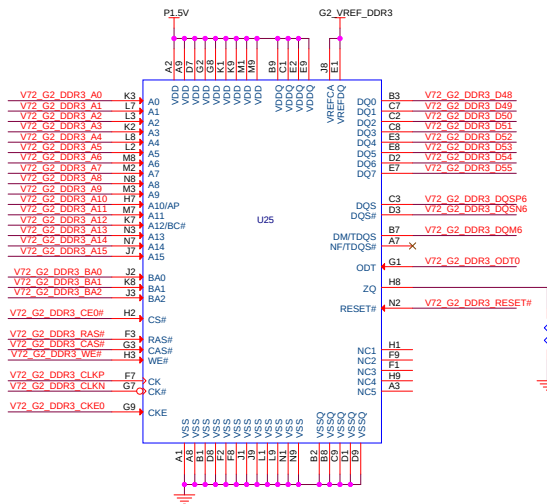
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 V72 G2 DDR3 BA[2:0] >> V72\_G2\_DDR3\_BA[2:0] 4.10  
 V72 G2 DDR3 CAS# >> V72\_G2\_DDR3\_CAS# 4.10  
 V72 G2 DDR3 WE# >> V72\_G2\_DDR3\_WE# 4.10  
 V72 G2 DDR3 CKE0 >> V72\_G2\_DDR3\_CKE0 4.10  
 V72 G2 DDR3 RESET# >> V72\_G2\_DDR3\_RESET# 4.10  
 V72 G2 DDR3 ODT0 >> V72\_G2\_DDR3\_ODT0 4.10  
 V72 G2 DDR3 CLKP >> V72\_G2\_DDR3\_CLKP 4.10  
 V72 G2 DDR3 CLKN >> V72\_G2\_DDR3\_CLKN 4.10

V72 G2 DDR3 D[31:0] >> V72\_G2\_DDR3\_D[31:0] 4  
 V72 G2 DDR3 DQSP[3:0] >> V72\_G2\_DDR3\_DQSP[3:0] 4  
 V72 G2 DDR3 DQSN[3:0] >> V72\_G2\_DDR3\_DQSN[3:0] 4  
 V72 G2 DDR3 DQM[3:0] >> V72\_G2\_DDR3\_DQM[3:0] 4

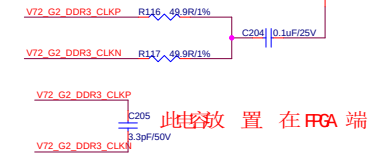
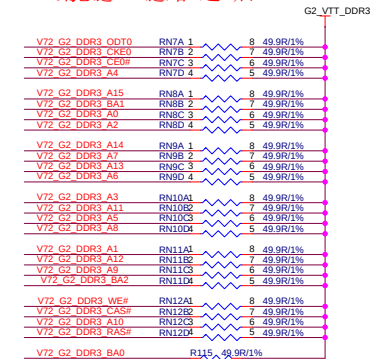




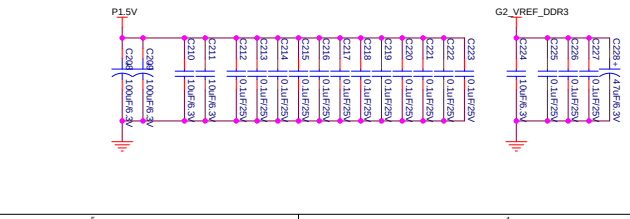
V72\_G2\_DDR3\_A[15:0] >> V72\_G2\_DDR3\_A[15:0] 4.9  
 V72\_G2\_DDR3\_BA[2:0] >> V72\_G2\_DDR3\_BA[2:0] 4.9  
 V72\_G2\_DDR3\_CAS# >> V72\_G2\_DDR3\_CAS# 4.9  
 V72\_G2\_DDR3\_RAS# >> V72\_G2\_DDR3\_RAS# 4.9  
 V72\_G2\_DDR3\_CKE0 >> V72\_G2\_DDR3\_CKE0 4.9  
 V72\_G2\_DDR3\_CEO# >> V72\_G2\_DDR3\_CEO# 4.9  
 V72\_G2\_DDR3\_RESET# >> V72\_G2\_DDR3\_RESET# 4.9  
 V72\_G2\_DDR3\_ODT0 >> V72\_G2\_DDR3\_ODT0 4.9  
 V72\_G2\_DDR3\_CLKP >> V72\_G2\_DDR3\_CLKP 4.9  
 V72\_G2\_DDR3\_CLKN >> V72\_G2\_DDR3\_CLKN 4.9  
 V72\_G2\_DDR3\_D[63:32] >> V72\_G2\_DDR3\_D[63:32] 4  
 V72\_G2\_DDR3\_DQSP[7:4] >> V72\_G2\_DDR3\_DQSP[7:4] 4  
 V72\_G2\_DDR3\_DQSN[7:4] >> V72\_G2\_DDR3\_DQSN[7:4] 4  
 V72\_G2\_DDR3\_DQM[7:4] >> V72\_G2\_DDR3\_DQM[7:4] 4



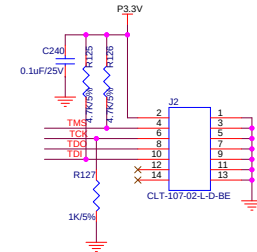
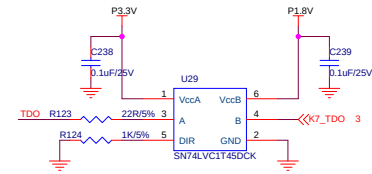
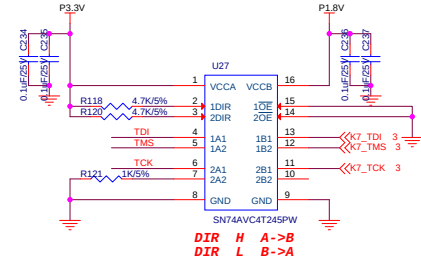
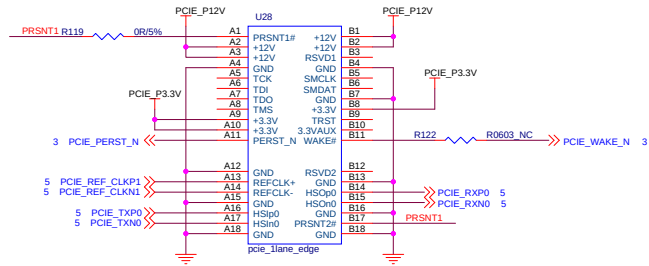
此部分电路放 置 在  
菊花链 0 链 路 之 后



此电容 放 置 在 FPG 端



|                                                      |        |               |  |
|------------------------------------------------------|--------|---------------|--|
| 图框名称 : <img alt="logo" data-bbox="865 915 875 925"/> |        | 第 10 页 共 13 页 |  |
| 设计NO                                                 | 批准 :   | 文档编号 <Doc>    |  |
| 校对 :                                                 | 版本 V10 |               |  |
| 审核 :                                                 | 日期 :   |               |  |





|      |        |                 |            |  |   |  |  |  |  |   |  |  |  |  |   |  |  |                                                                                                                                                                                                                                                                                                                                                                            |  |   |  |  |  |  |  |  |                 |  |  |  |  |  |  |               |  |  |  |  |    |     |      |            |  |  |  |      |        |  |  |  |  |  |      |      |  |  |  |  |  |
|------|--------|-----------------|------------|--|---|--|--|--|--|---|--|--|--|--|---|--|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---|--|--|--|--|--|--|-----------------|--|--|--|--|--|--|---------------|--|--|--|--|----|-----|------|------------|--|--|--|------|--------|--|--|--|--|--|------|------|--|--|--|--|--|
| 5    |        |                 |            |  | 4 |  |  |  |  | 3 |  |  |  |  | 2 |  |  |                                                                                                                                                                                                                                                                                                                                                                            |  | 1 |  |  |  |  |  |  |                 |  |  |  |  |  |  |               |  |  |  |  |    |     |      |            |  |  |  |      |        |  |  |  |  |  |      |      |  |  |  |  |  |
| D    |        |                 |            |  |   |  |  |  |  |   |  |  |  |  |   |  |  |                                                                                                                                                                                                                                                                                                                                                                            |  |   |  |  |  |  |  |  |                 |  |  |  |  |  |  |               |  |  |  |  |    |     |      |            |  |  |  |      |        |  |  |  |  |  |      |      |  |  |  |  |  |
| C    |        |                 |            |  |   |  |  |  |  |   |  |  |  |  |   |  |  |                                                                                                                                                                                                                                                                                                                                                                            |  |   |  |  |  |  |  |  |                 |  |  |  |  |  |  |               |  |  |  |  |    |     |      |            |  |  |  |      |        |  |  |  |  |  |      |      |  |  |  |  |  |
| B    |        |                 |            |  |   |  |  |  |  |   |  |  |  |  |   |  |  |                                                                                                                                                                                                                                                                                                                                                                            |  |   |  |  |  |  |  |  |                 |  |  |  |  |  |  |               |  |  |  |  |    |     |      |            |  |  |  |      |        |  |  |  |  |  |      |      |  |  |  |  |  |
| A    |        |                 |            |  |   |  |  |  |  |   |  |  |  |  |   |  |  |                                                                                                                                                                                                                                                                                                                                                                            |  |   |  |  |  |  |  |  |                 |  |  |  |  |  |  |               |  |  |  |  |    |     |      |            |  |  |  |      |        |  |  |  |  |  |      |      |  |  |  |  |  |
|      |        |                 |            |  |   |  |  |  |  |   |  |  |  |  |   |  |  | <table><tr><td colspan="2"></td><td colspan="5">图纸名称 : &lt;2通道上变箱&gt;</td></tr><tr><td colspan="2"></td><td colspan="5">第 13 页 共 13 页</td></tr><tr><td>设计</td><td>NXD</td><td>批准 :</td><td colspan="4">文档编号 &lt;Doc&gt;</td></tr><tr><td>校对 :</td><td colspan="2">版本 V10</td><td colspan="4" rowspan="2"></td></tr><tr><td>审核 :</td><td colspan="6">日期 :</td></tr></table> |  |   |  |  |  |  |  |  | 图纸名称 : <2通道上变箱> |  |  |  |  |  |  | 第 13 页 共 13 页 |  |  |  |  | 设计 | NXD | 批准 : | 文档编号 <Doc> |  |  |  | 校对 : | 版本 V10 |  |  |  |  |  | 审核 : | 日期 : |  |  |  |  |  |
|      |        | 图纸名称 : <2通道上变箱> |            |  |   |  |  |  |  |   |  |  |  |  |   |  |  |                                                                                                                                                                                                                                                                                                                                                                            |  |   |  |  |  |  |  |  |                 |  |  |  |  |  |  |               |  |  |  |  |    |     |      |            |  |  |  |      |        |  |  |  |  |  |      |      |  |  |  |  |  |
|      |        | 第 13 页 共 13 页   |            |  |   |  |  |  |  |   |  |  |  |  |   |  |  |                                                                                                                                                                                                                                                                                                                                                                            |  |   |  |  |  |  |  |  |                 |  |  |  |  |  |  |               |  |  |  |  |    |     |      |            |  |  |  |      |        |  |  |  |  |  |      |      |  |  |  |  |  |
| 设计   | NXD    | 批准 :            | 文档编号 <Doc> |  |   |  |  |  |  |   |  |  |  |  |   |  |  |                                                                                                                                                                                                                                                                                                                                                                            |  |   |  |  |  |  |  |  |                 |  |  |  |  |  |  |               |  |  |  |  |    |     |      |            |  |  |  |      |        |  |  |  |  |  |      |      |  |  |  |  |  |
| 校对 : | 版本 V10 |                 |            |  |   |  |  |  |  |   |  |  |  |  |   |  |  |                                                                                                                                                                                                                                                                                                                                                                            |  |   |  |  |  |  |  |  |                 |  |  |  |  |  |  |               |  |  |  |  |    |     |      |            |  |  |  |      |        |  |  |  |  |  |      |      |  |  |  |  |  |
| 审核 : | 日期 :   |                 |            |  |   |  |  |  |  |   |  |  |  |  |   |  |  |                                                                                                                                                                                                                                                                                                                                                                            |  |   |  |  |  |  |  |  |                 |  |  |  |  |  |  |               |  |  |  |  |    |     |      |            |  |  |  |      |        |  |  |  |  |  |      |      |  |  |  |  |  |
| 5    |        |                 |            |  | 4 |  |  |  |  | 3 |  |  |  |  | 2 |  |  |                                                                                                                                                                                                                                                                                                                                                                            |  | 1 |  |  |  |  |  |  |                 |  |  |  |  |  |  |               |  |  |  |  |    |     |      |            |  |  |  |      |        |  |  |  |  |  |      |      |  |  |  |  |  |