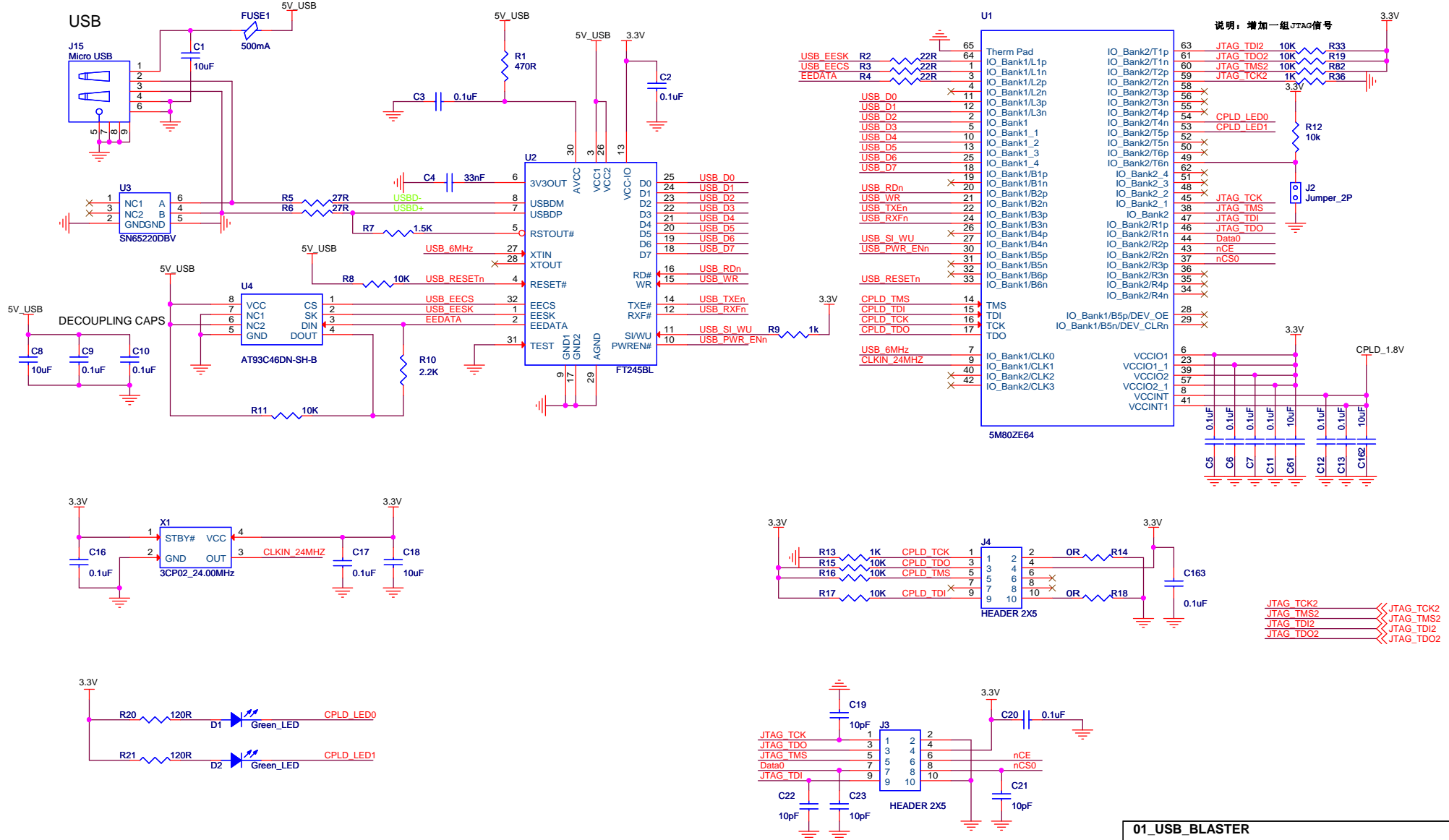
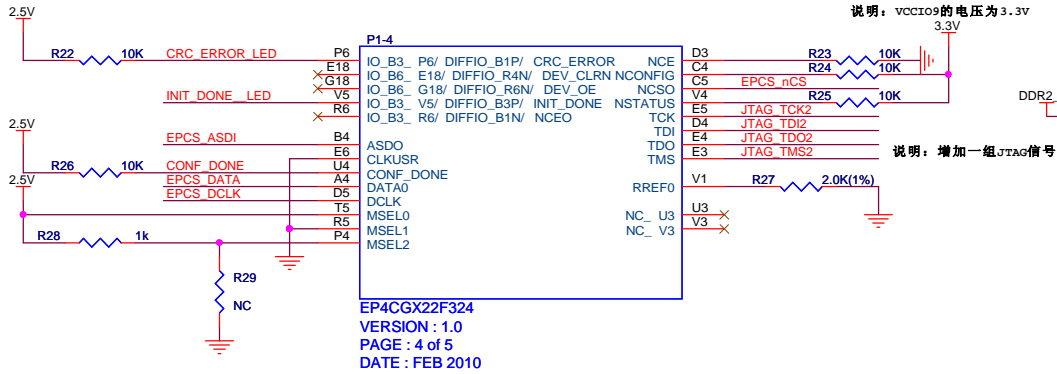


# Embedded USB Blaster

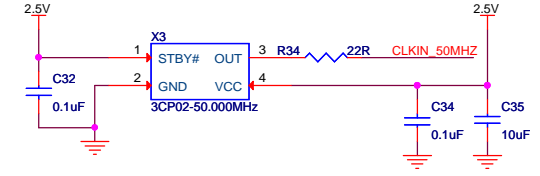
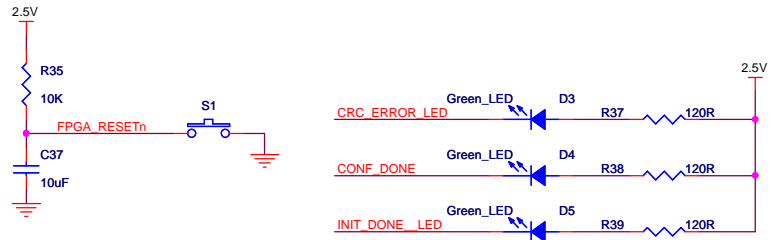
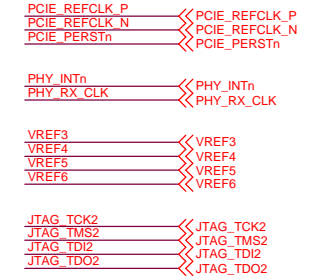
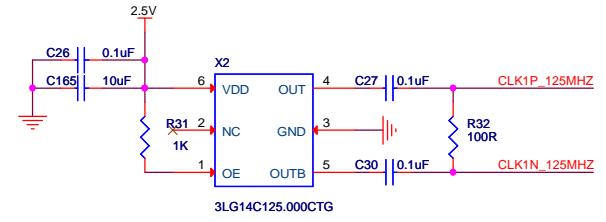
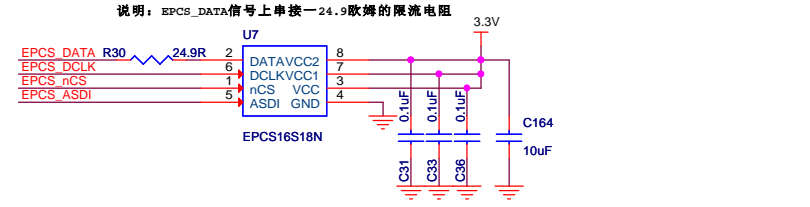
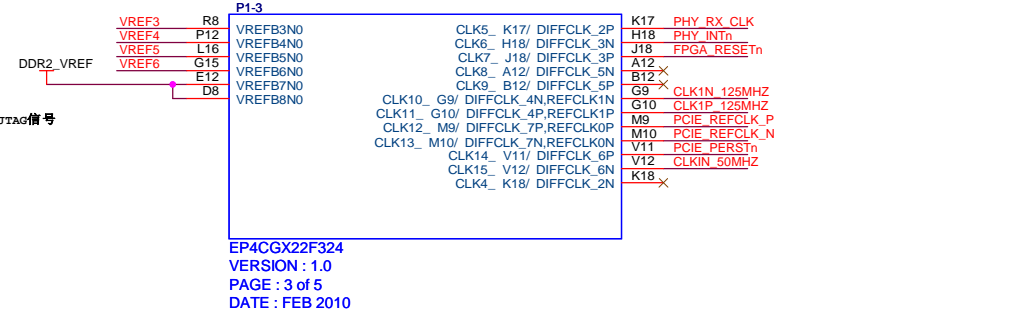


|                       |                       |       |            |
|-----------------------|-----------------------|-------|------------|
| <b>01_USB_BLASTER</b> |                       |       |            |
| Title                 | EasyGX_V1.0           |       |            |
| Size                  | Document Number       |       | Rev        |
| B                     | <Doc>                 |       | <Rev Code> |
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# FPGA配置部分

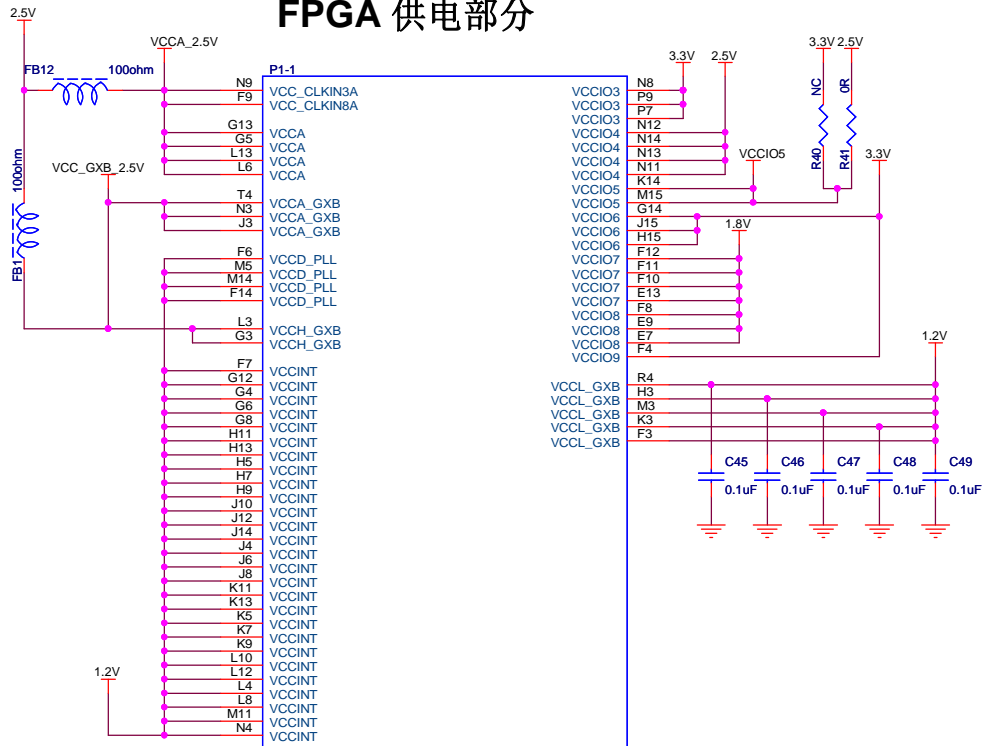


# FPGA 时钟部分



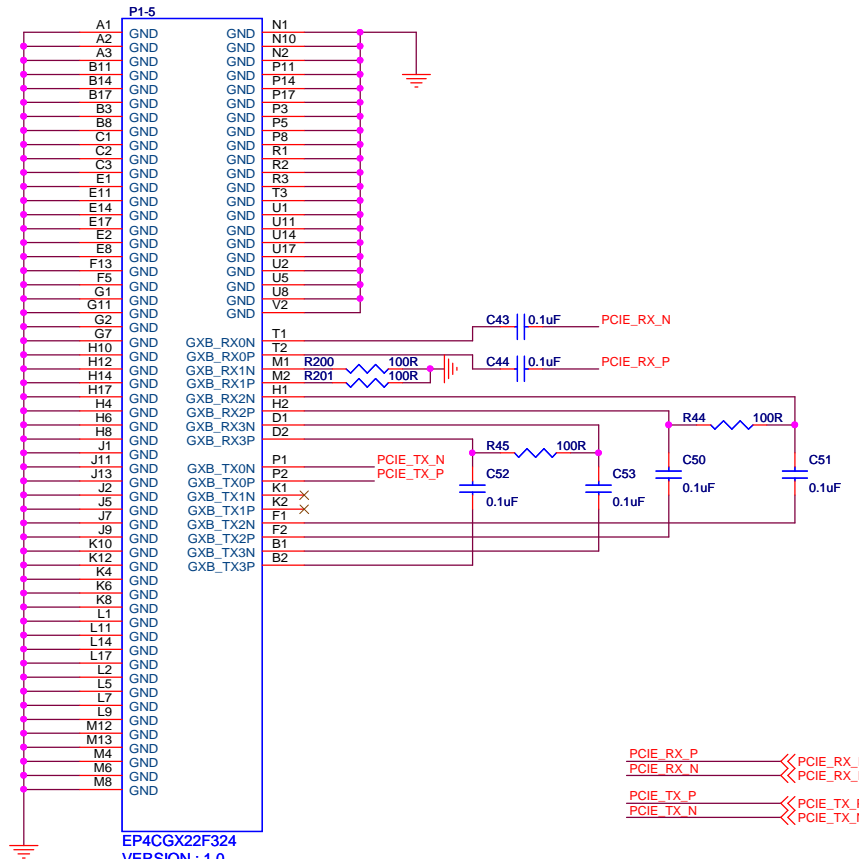
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| 02_FPGA_Configuration/Clock |                          |              |
| Title                       | EasyGX_V1.0              |              |
| Size                        | Document Number          | Rev          |
| B                           | <Doc>                    | <Rev Code>   |
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# FPGA 供电部分



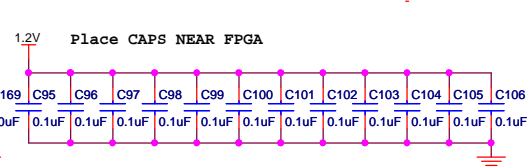
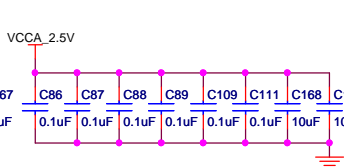
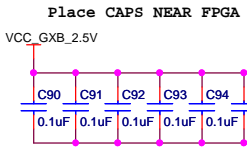
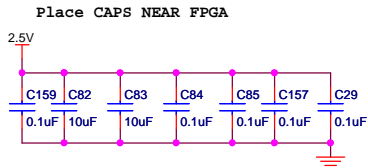
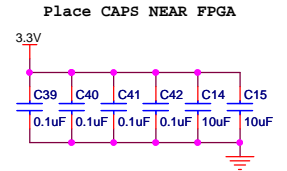
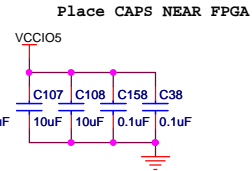
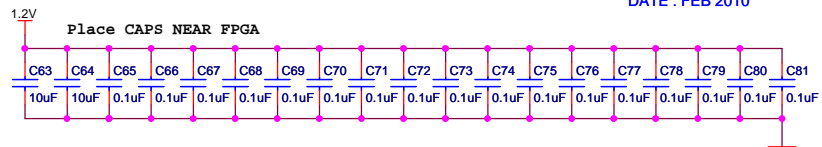
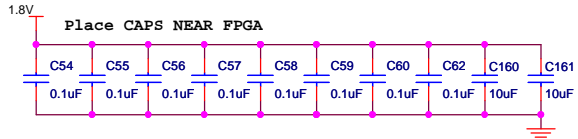
EP4CGX22F324  
 VERSION : 1.0  
 PAGE : 1 of 5  
 DATE : FEB 2010

# FPGA Transceiver



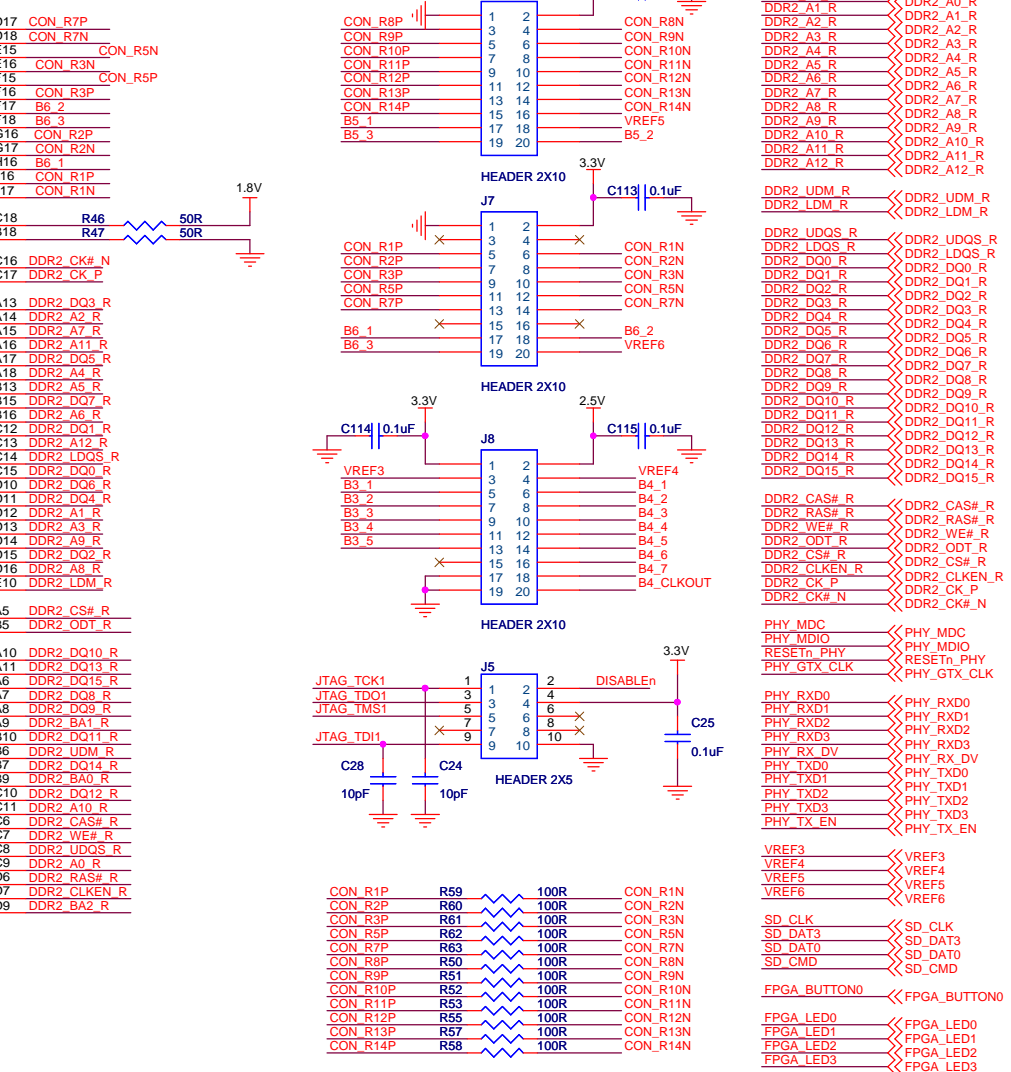
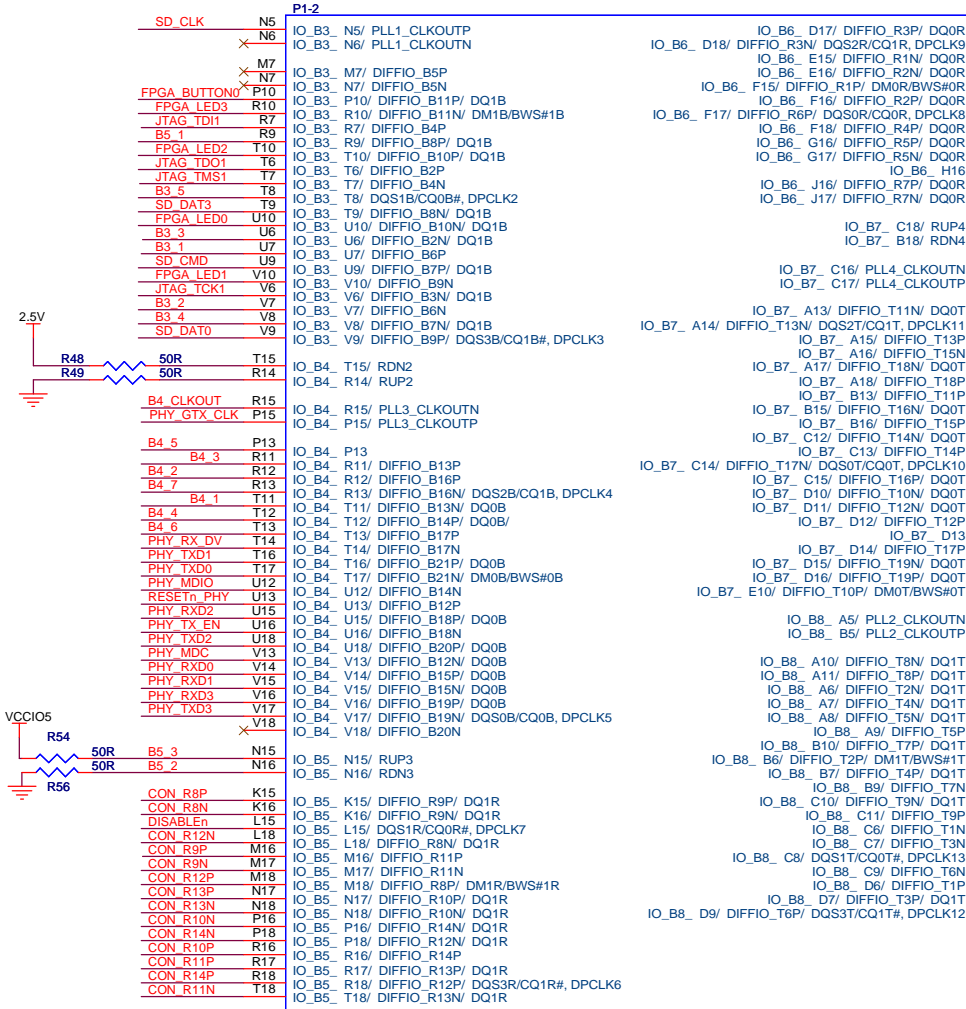
EP4CGX22F324  
 VERSION : 1.0  
 PAGE : 5 of 5  
 DATE : FEB 2010

PCIE\_RX\_P ↔ PCIE\_RX\_P  
 PCIE\_RX\_N ↔ PCIE\_RX\_N  
 PCIE\_TX\_P ↔ PCIE\_TX\_P  
 PCIE\_TX\_N ↔ PCIE\_TX\_N



|                           |                       |              |
|---------------------------|-----------------------|--------------|
| 03_FPGA_Power/Transceiver |                       |              |
| Title                     | EasyGX_V1.0           |              |
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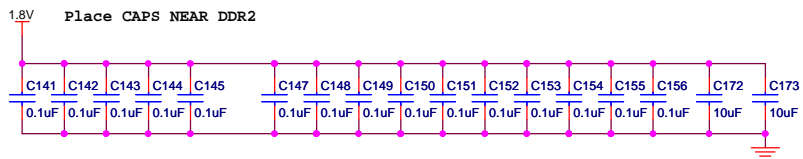
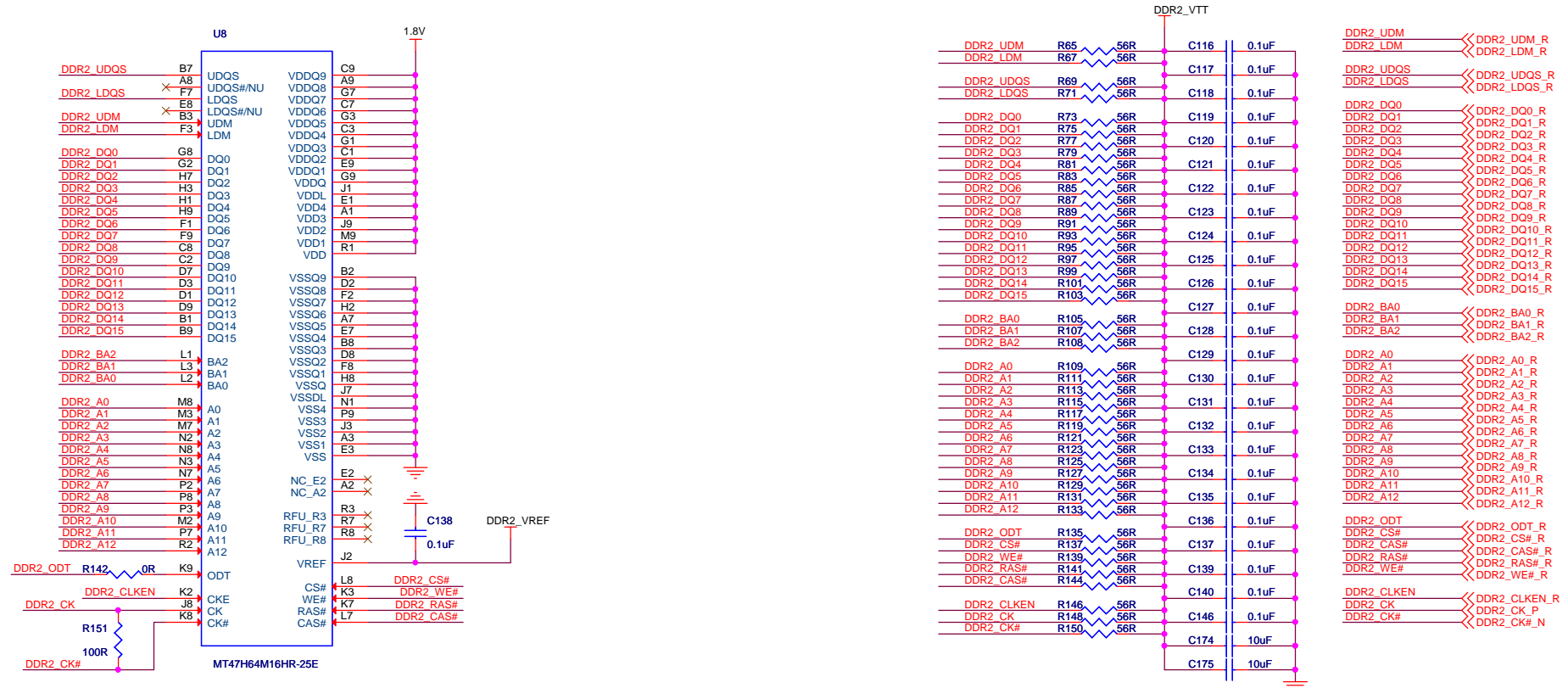
# FPGA I/O Banks



EP4CGX22F324  
VERSION : 1.0  
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DATE : FEB 2010

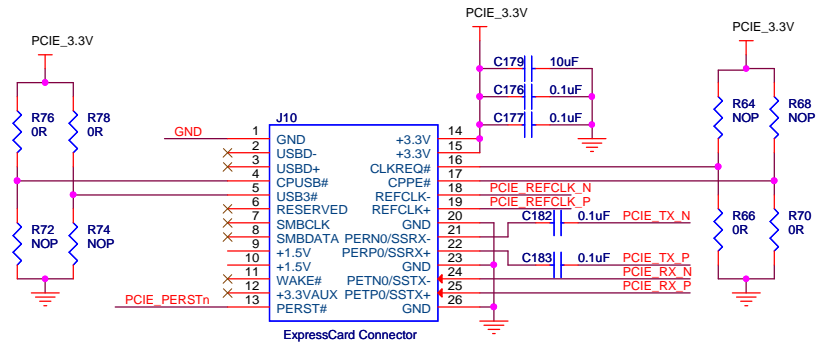
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| <b>04_FPGA_I/O BANKS</b> |                       |              |
| Title                    | EasyGX_V1.0           |              |
| Size                     | Document Number       | Rev          |
| B                        | <Doc>                 | <Rev Code>   |
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# DDR2 SDRAM

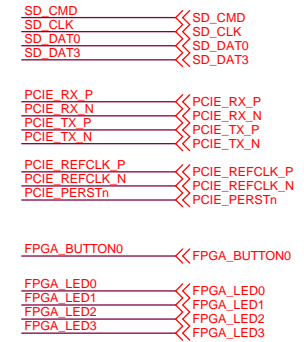
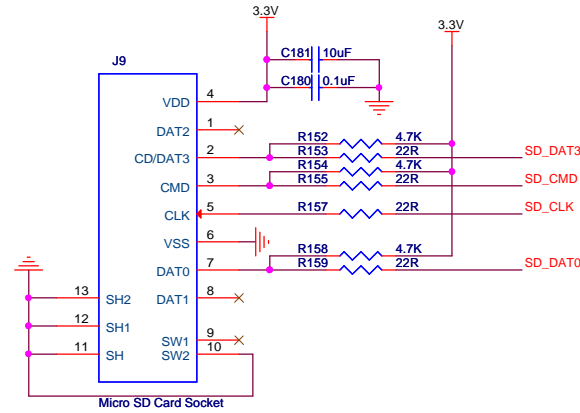


|               |                          |              |
|---------------|--------------------------|--------------|
| 05_DDR2_SDRAM |                          |              |
| Title         | EasyGX_V1.0              |              |
| Size          | Document Number          | Rev          |
| B             | <Doc>                    | <Rev Code>   |
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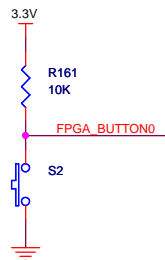
# PCI Express Edge Connector



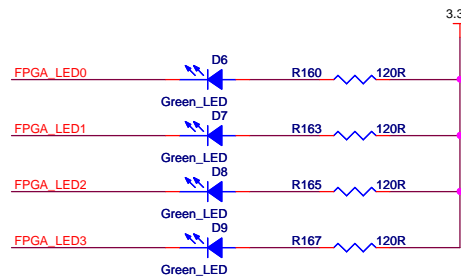
# SD CARD SOCKET



# Button



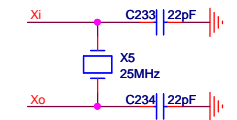
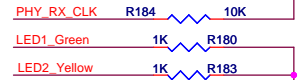
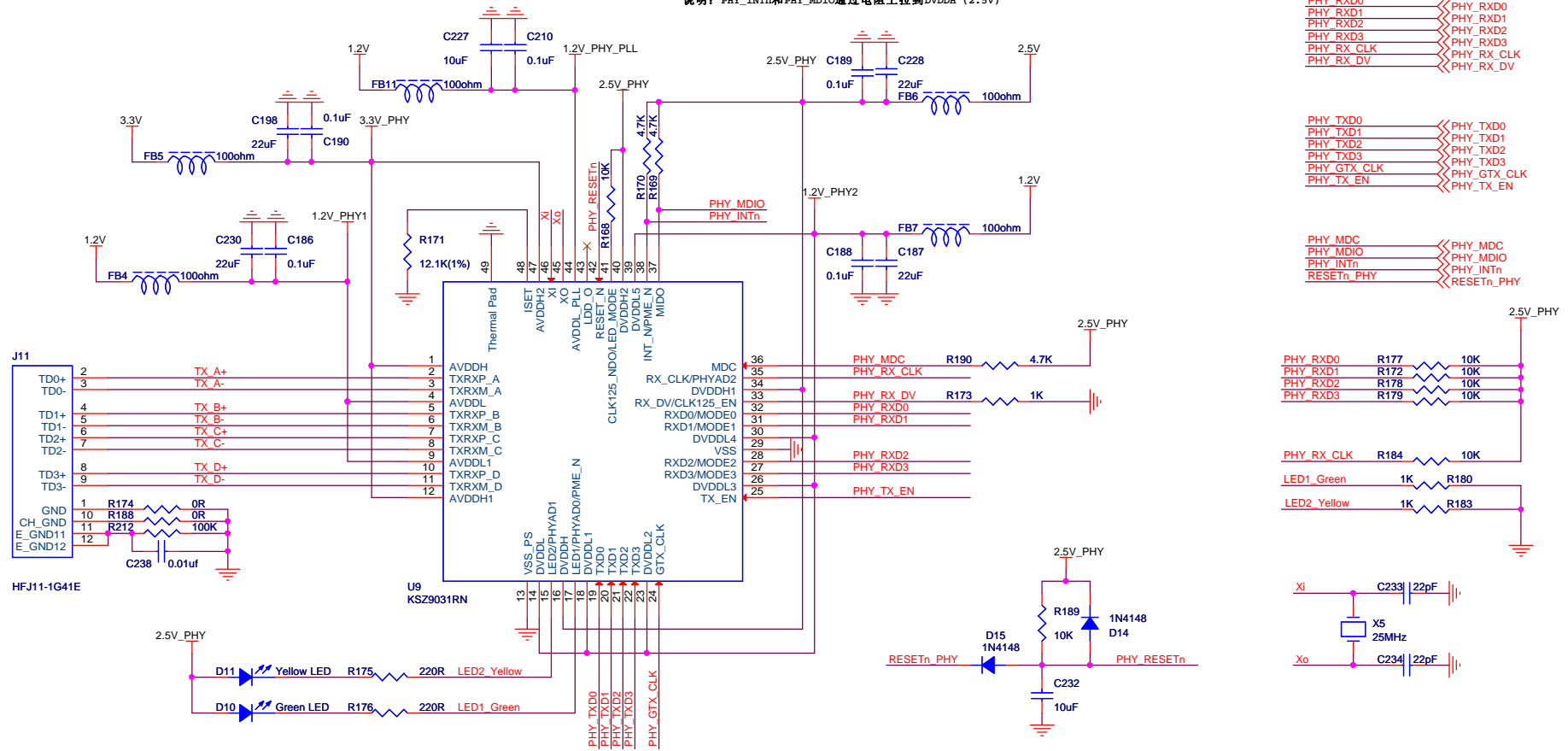
# LED



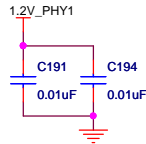
|                                           |                          |                   |
|-------------------------------------------|--------------------------|-------------------|
| <b>06_PCIe + SD_Socket + BUTTON + LED</b> |                          |                   |
| Title<br><b>EasyGX_V1.0</b>               |                          |                   |
| Size<br>B                                 | Document Number<br><Doc> | Rev<br><Rev Code> |
| Date:<br>Thursday, June 28, 2012          | Sheet<br>6               | of<br>8           |

# 10/100/1000M Ethernet

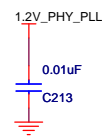
说明: PHY\_INTn和PHY\_MDIO通过电阻上拉到DVDDH (2.5V)



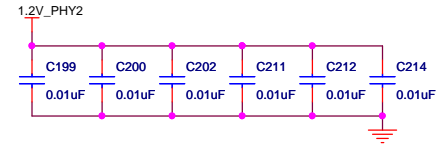
Docouple Capacitance  
place near pin4, pin9;



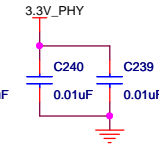
Docouple Capacitance  
place near pin44;



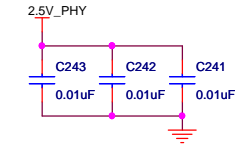
Docouple Capacitance  
place near pin14, pin18, pin23, pin26, pin30, pin39;



Docouple Capacitance  
place near pin1, pin12, pin47;

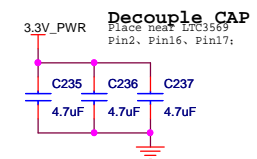
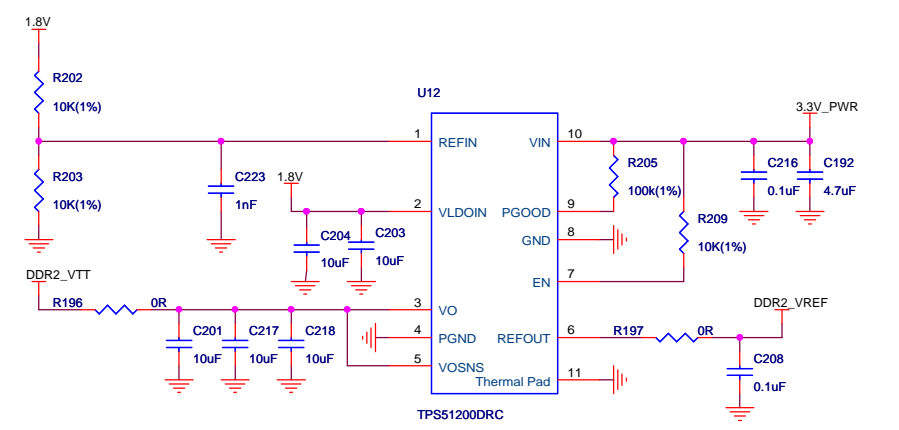
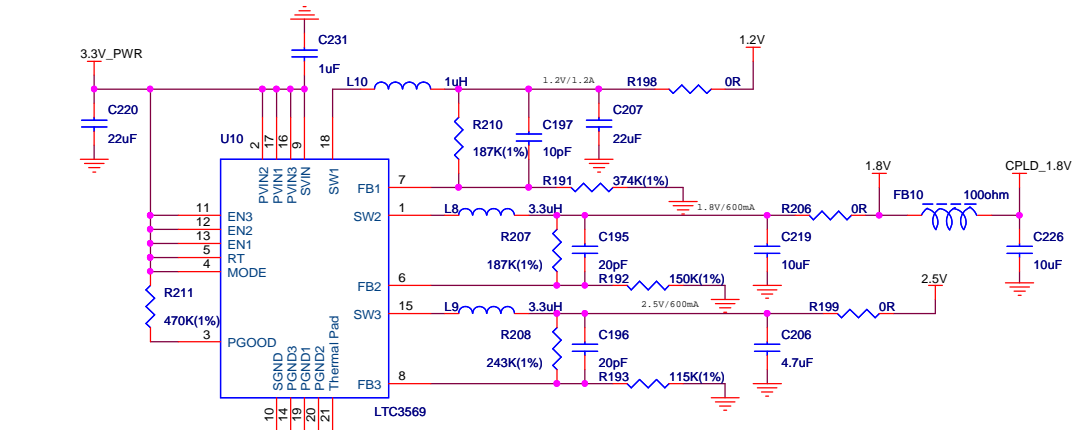
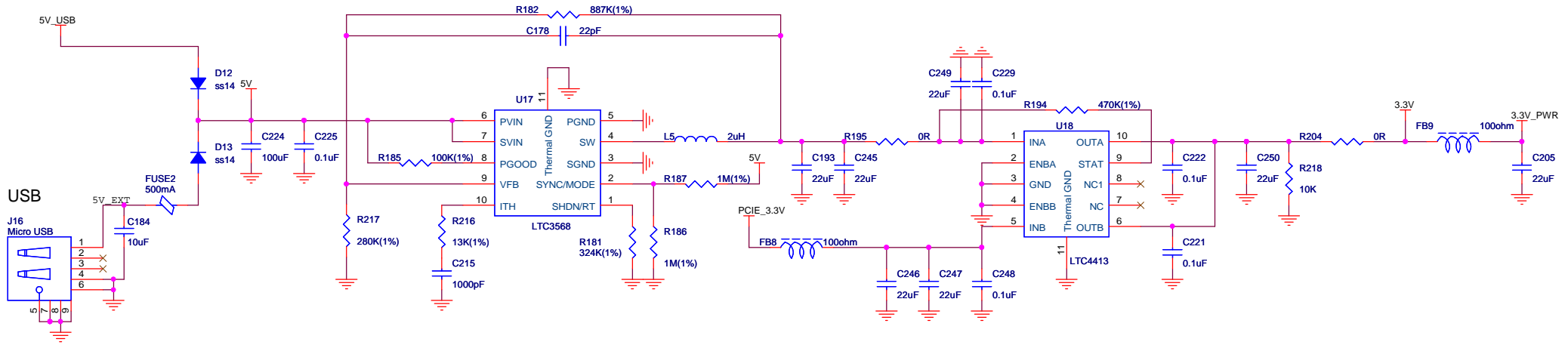


Docouple Capacitance  
place near pin16, pin34, pin40;



|                          |                       |              |
|--------------------------|-----------------------|--------------|
| 07_10/100/1000M Ethernet |                       |              |
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# POWER



|                                |                          |                   |
|--------------------------------|--------------------------|-------------------|
| <b>08_POWER/Button/LED</b>     |                          |                   |
| Title<br><b>EasyGX_V1.0</b>    |                          |                   |
| Size<br>B                      | Document Number<br><Doc> | Rev<br><Rev Code> |
| Date:<br>Monday, July 16, 2012 | Sheet<br>8               | of<br>8           |