

1V @ 2.0A for VCCINT  
1V @ 0.15A for MGTAVCC  
1.2V @ 0.15A for MGTAVTT  
1.5V @ 0.5 for DDR3  
1.8V @ 0.4A for VCCAUX  
3.3V @ 0.2A for I/O

Power Sequencing  
1.0V VCCINT & 1.0V MGTAVCC  
1.2V MGTAVTT  
1.5V DDR3  
1.8V VCCAUX  
3.3V I/O

Sheet: /Power Rails/  
File: power\_rails.sch

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Size: A4

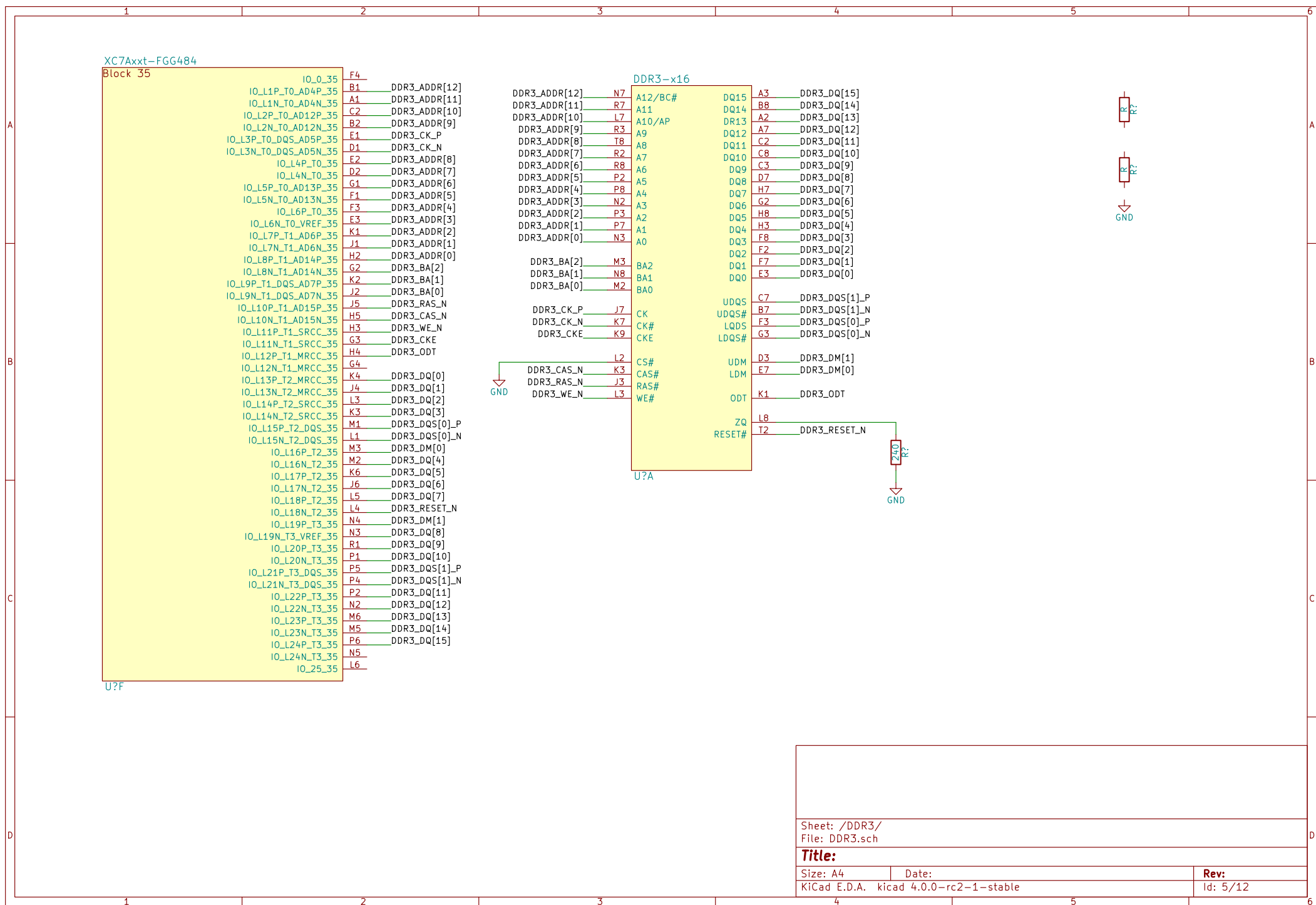
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KiCad E.D.A. kicad 4.0.0-rc2-1-stable

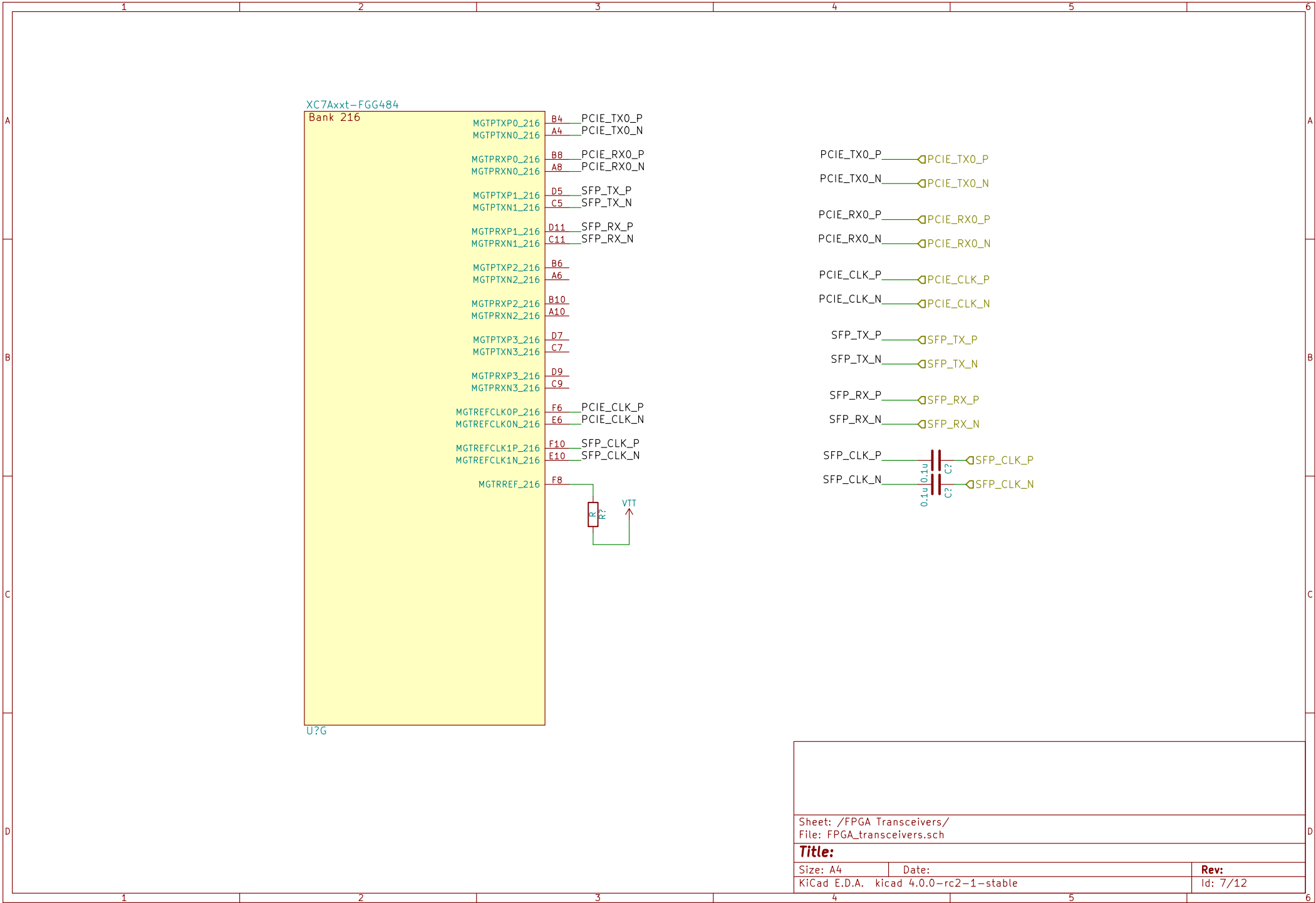
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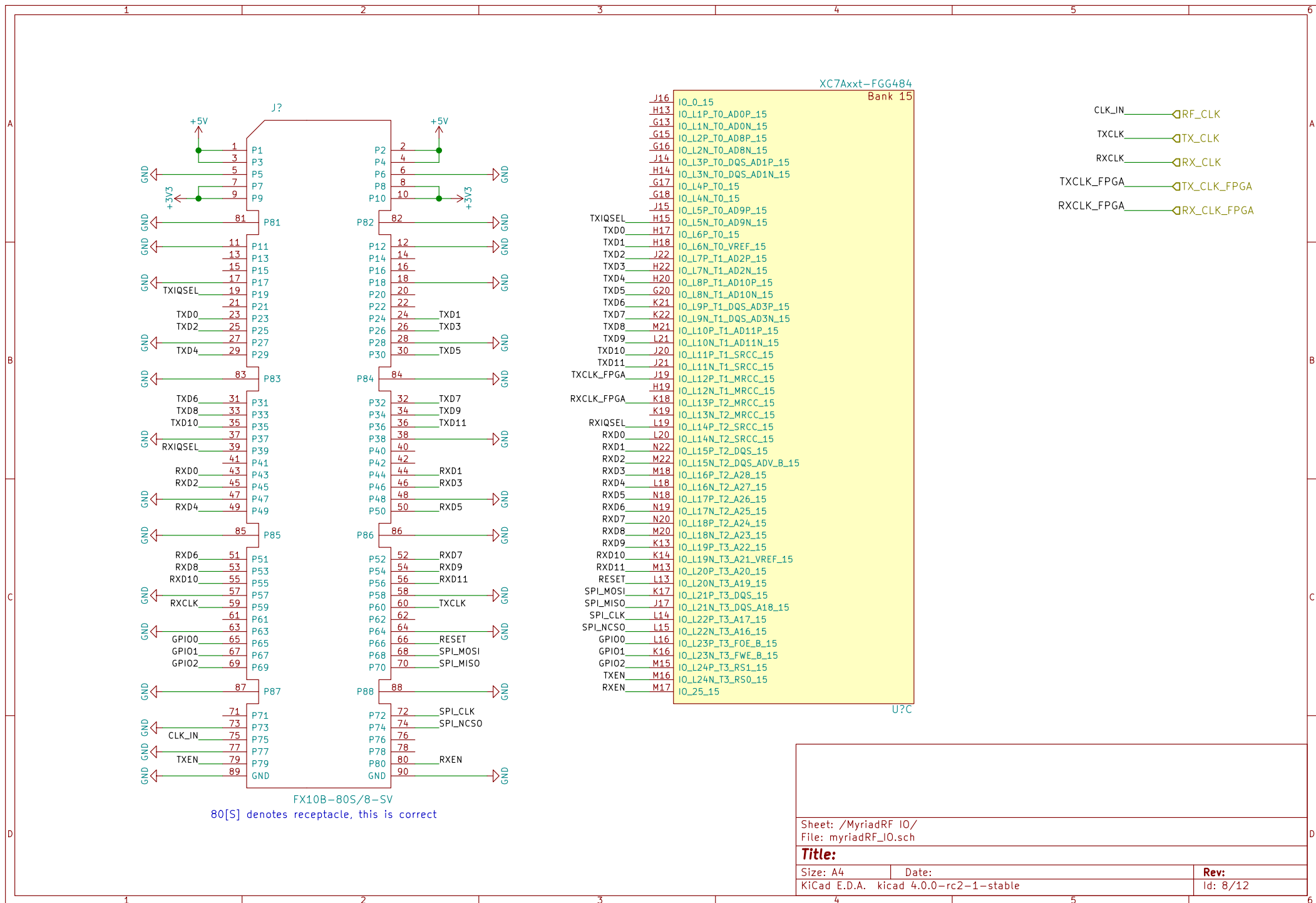


Sheet: /FPGA Transceivers/  
File: FPGA\_transceivers.sch

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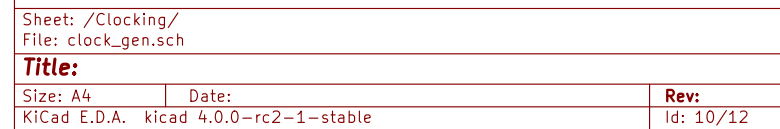
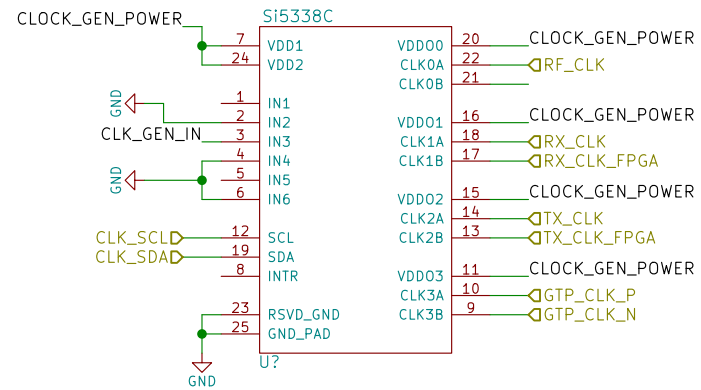
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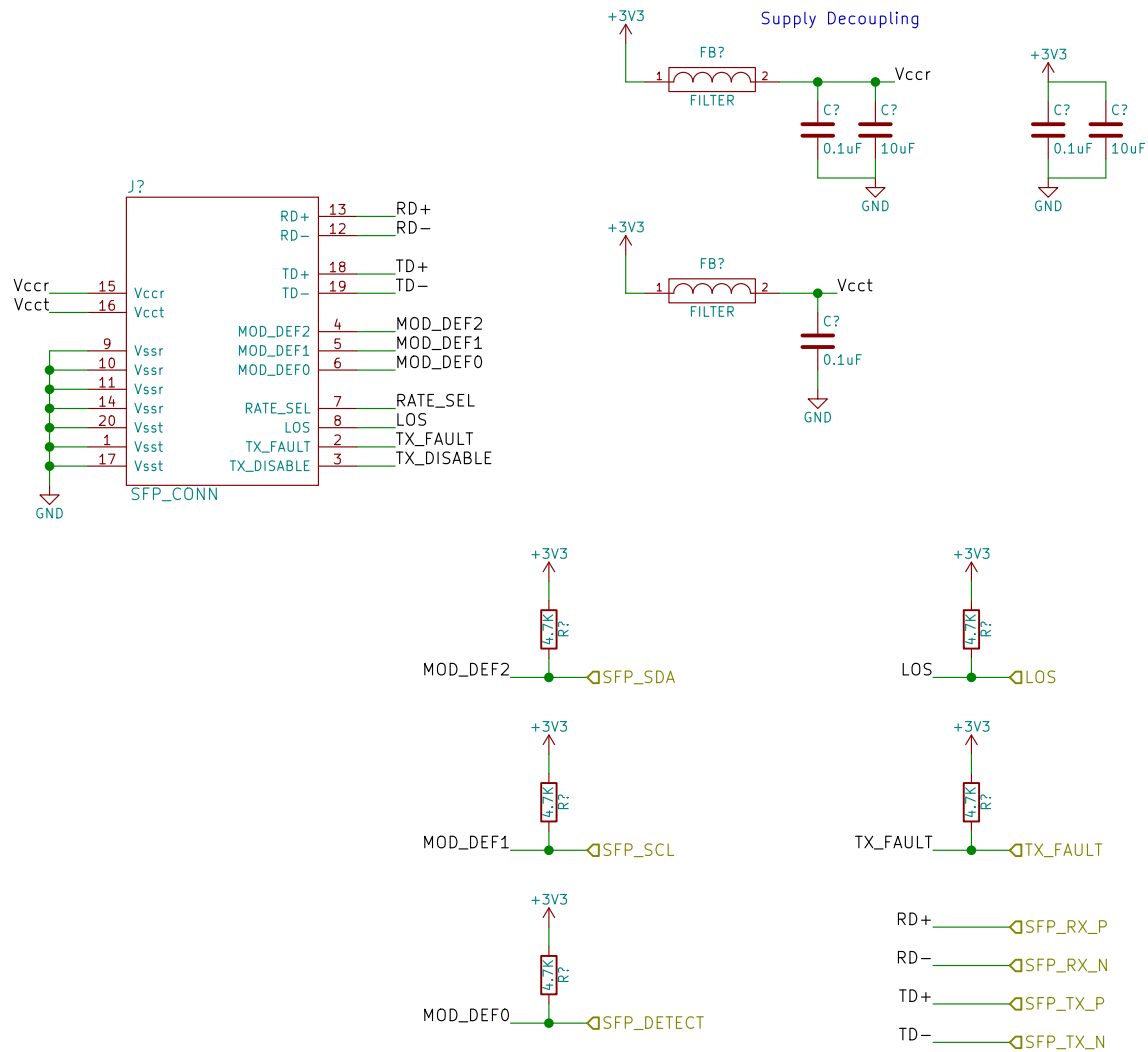
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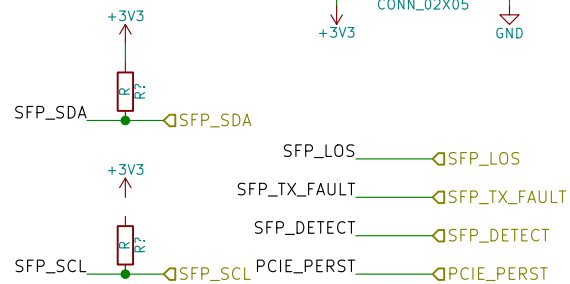
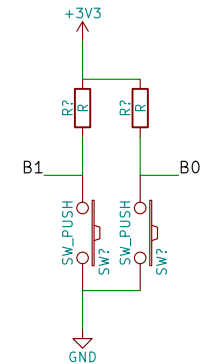
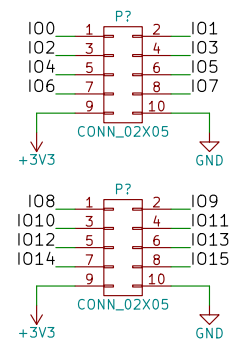
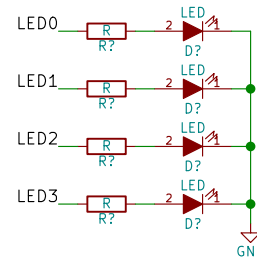


XC7Axxt-FGG484

Bank 34

|                    |     |              |
|--------------------|-----|--------------|
| IO_0_34            | T3  | LED0         |
| IO_L1P_T0_34       | T1  | LED1         |
| IO_L1N_T0_34       | U1  | LED2         |
| IO_L2P_T0_34       | U2  | LED3         |
| IO_L2N_T0_34       | V2  |              |
| IO_L3P_T0_DQS_34   | R3  |              |
| IO_L3N_T0_DQS_34   | R2  | B0           |
| IO_L4P_T0_34       | W2  | B1           |
| IO_L4N_T0_34       | Y2  |              |
| IO_L5P_T0_34       | W1  |              |
| IO_L5N_T0_34       | Y1  |              |
| IO_L6P_T0_34       | U3  |              |
| IO_L6N_T0_VREF_34  | V3  |              |
| IO_L7P_T1_34       | AA1 |              |
| IO_L7N_T1_34       | AB1 |              |
| IO_L8P_T1_34       | AB3 |              |
| IO_L8N_T1_34       | AB2 |              |
| IO_L9P_T1_DQS_34   | Y3  | I00          |
| IO_L9N_T1_DQS_34   | AA3 | I01          |
| IO_L10P_T1_34      | AA5 | I02          |
| IO_L10N_T1_34      | AB5 | I03          |
| IO_L11P_T1_SRCC_34 | Y4  | I04          |
| IO_L11N_T1_SRCC_34 | AA4 | I05          |
| IO_L12P_T1_MRCC_34 | V4  | I06          |
| IO_L12N_T1_MRCC_34 | W4  | I07          |
| IO_L13P_T2_MRCC_34 | R4  | I08          |
| IO_L13N_T2_MRCC_34 | T4  | I09          |
| IO_L14P_T2_SRCC_34 | T5  | I010         |
| IO_L14N_T2_SRCC_34 | U5  | I011         |
| IO_L15P_T2_DQS_34  | W6  | I012         |
| IO_L15N_T2_DQS_34  | W5  | I013         |
| IO_L16P_T2_34      | U6  | I014         |
| IO_L16N_T2_34      | V5  | I015         |
| IO_L17P_T2_34      | R6  |              |
| IO_L17N_T2_34      | T6  |              |
| IO_L18P_T2_34      | Y6  |              |
| IO_L18N_T2_34      | AA6 | SFP_LOS      |
| IO_L19P_T3_34      | V7  | SFP_TX_FAULT |
| IO_L19N_T3_VREF_34 | W7  | SFP_DETECT   |
| IO_L20P_T3_34      | AB7 | SFP_SDA      |
| IO_L20N_T3_34      | AB6 | SFP_SCL      |
| IO_L21P_T3_DQS_34  | V9  | PCIE_PERST   |
| IO_L21N_T3_DQS_34  | V8  |              |
| IO_L22P_T3_34      | AA8 |              |
| IO_L22N_T3_34      | AB8 |              |
| IO_L23P_T3_34      | Y8  |              |
| IO_L23N_T3_34      | Y7  |              |
| IO_L24P_T3_34      | W9  |              |
| IO_L24N_T3_34      | Y9  |              |
| IO_L25_34          | U7  |              |

U?E



Sheet: /User IO/  
File: User\_IO.sch

Title:

Size: A4  
KiCad E.D.A. kicad 4.0.0-rc2-1-stable

Date:

Rev:  
Id: 12/12