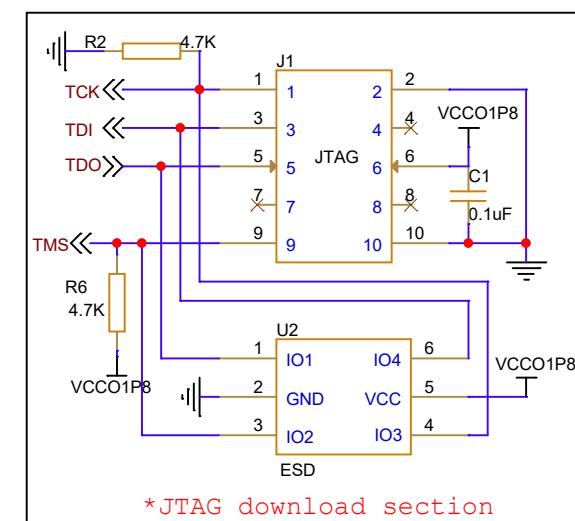
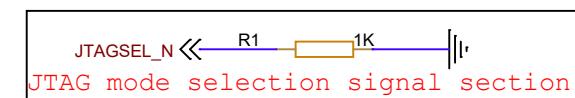
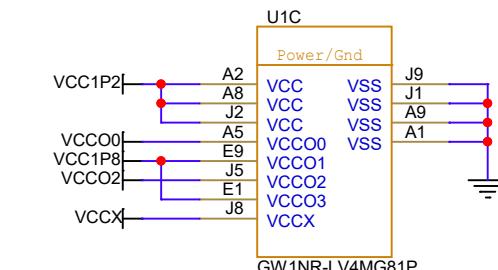
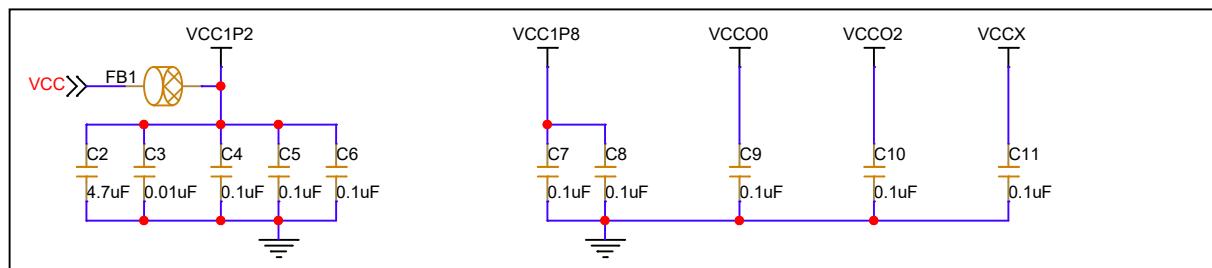
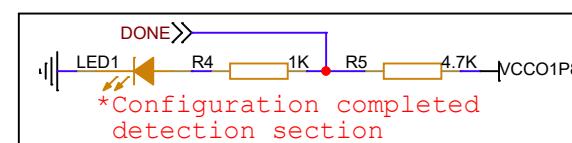
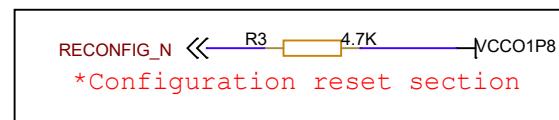
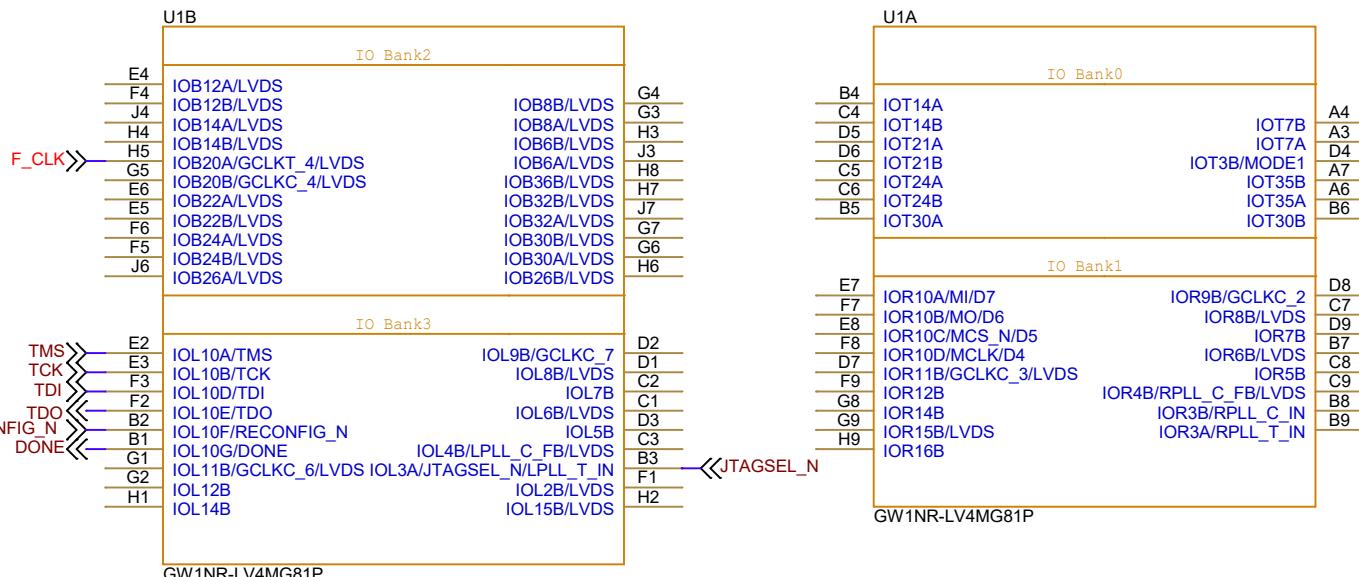
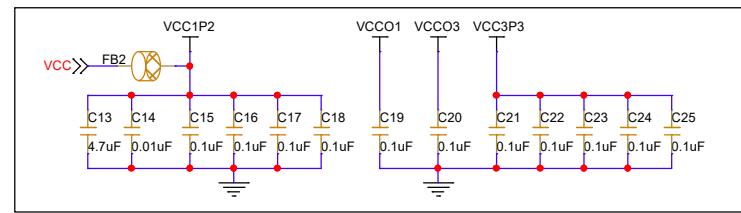
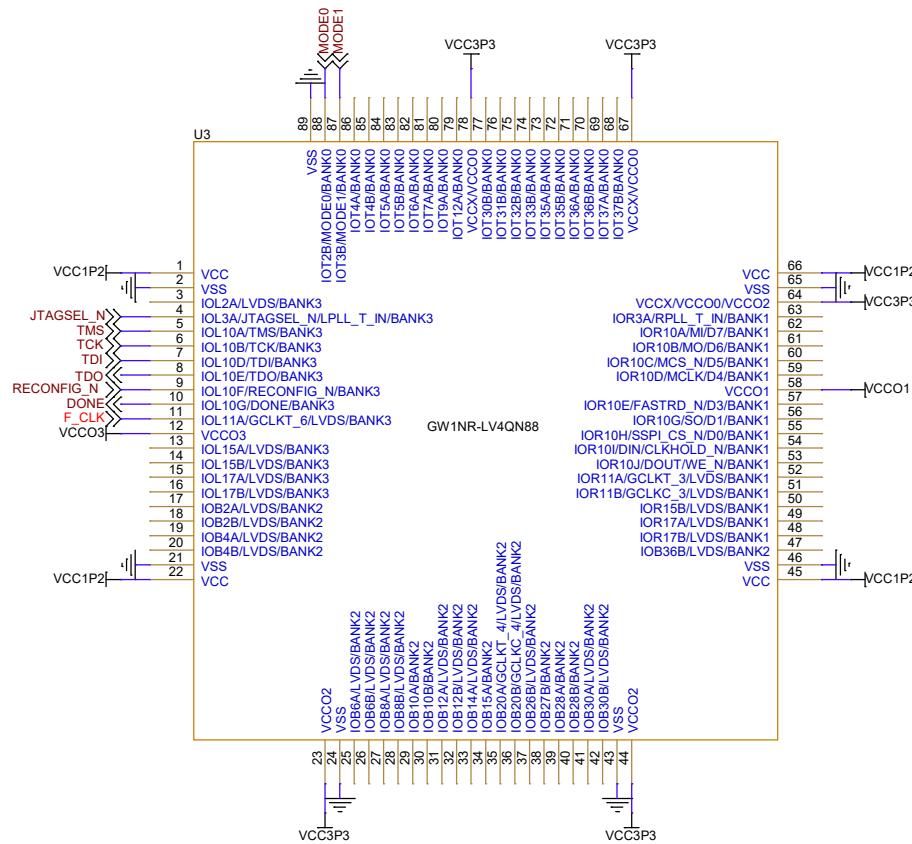


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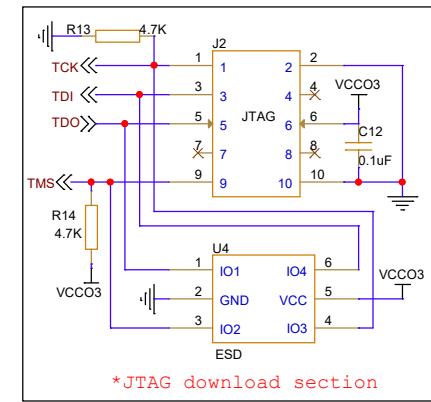
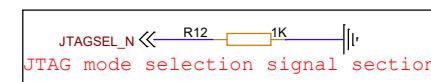
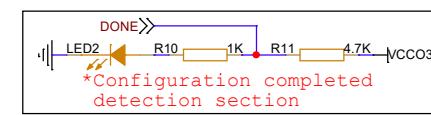
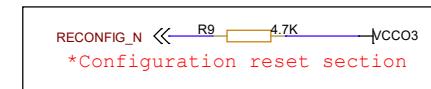
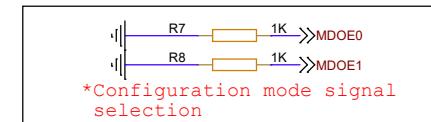


**Notes:**

1. F_CLK signal is an external input clock signal.

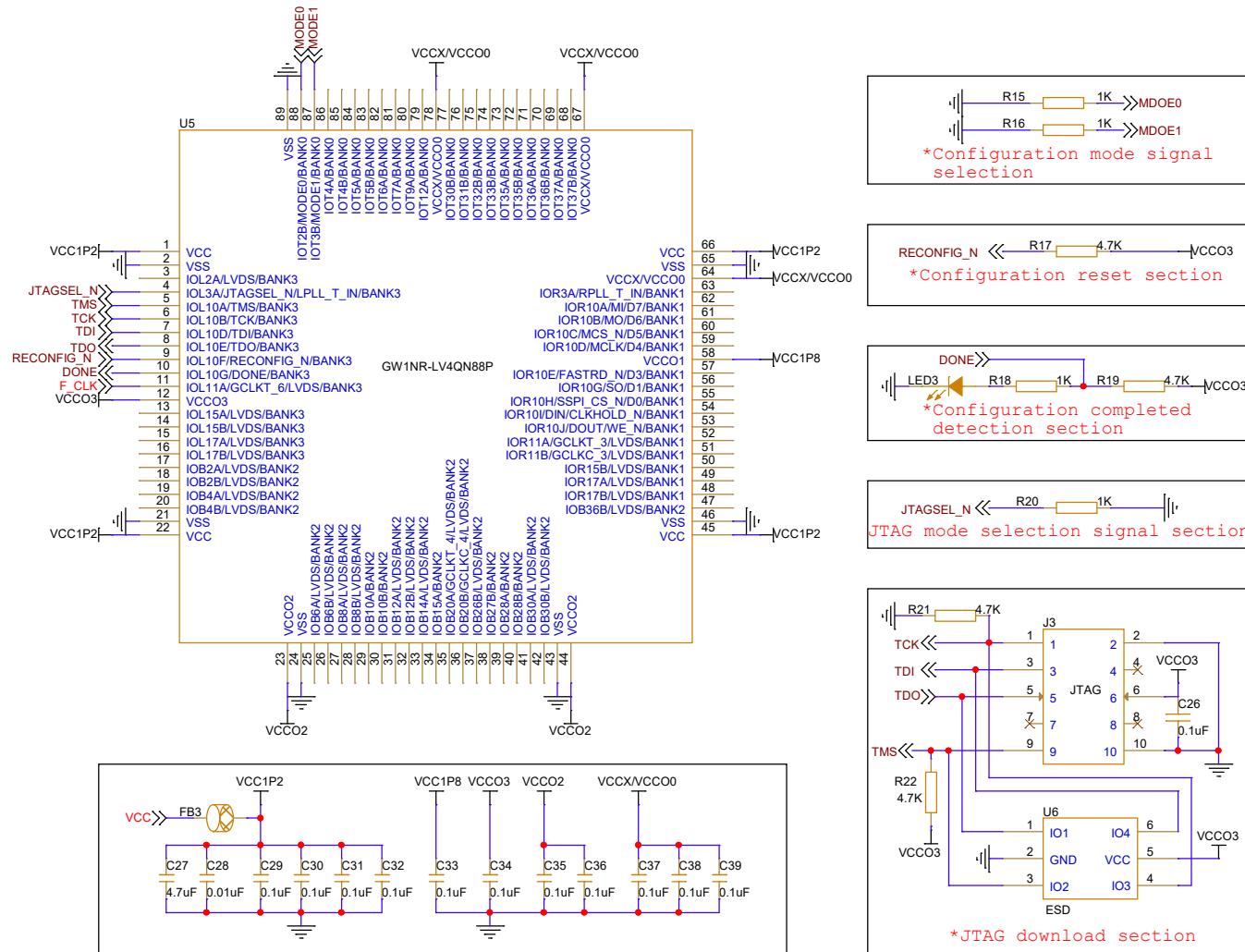
It is recommended that F_CLK signal be provided through an active oscillator crystal.

2. It is recommended that add an ESD protection chip to the JTAG download circuit.



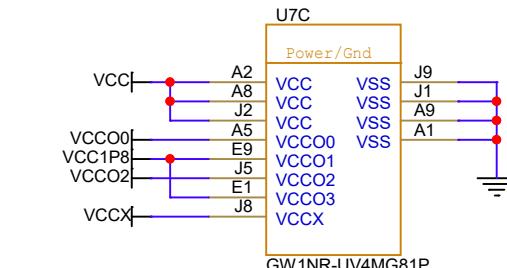
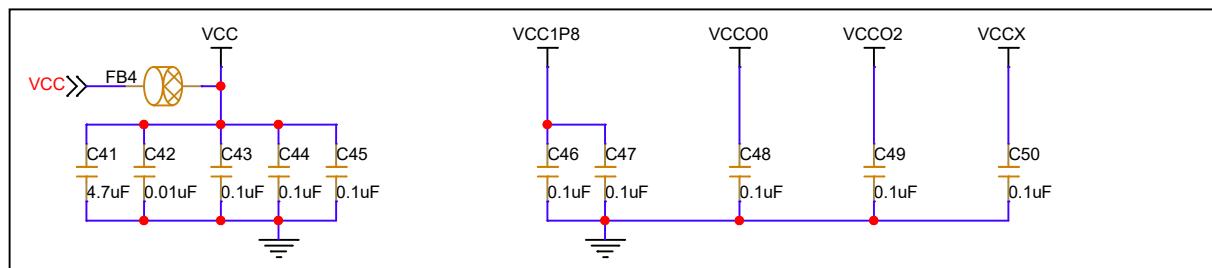
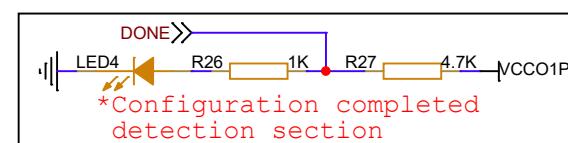
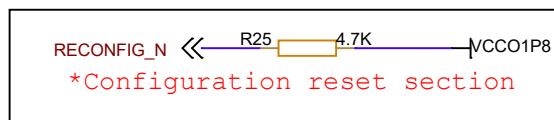
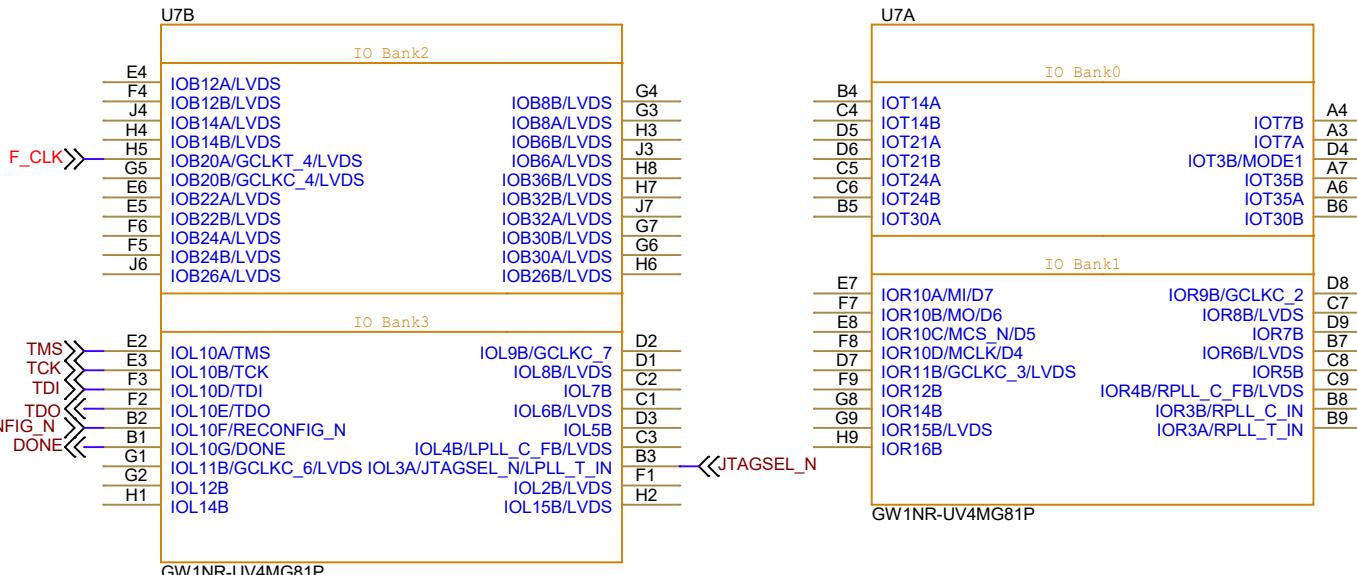
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GOWIN Minimum System Diagram		
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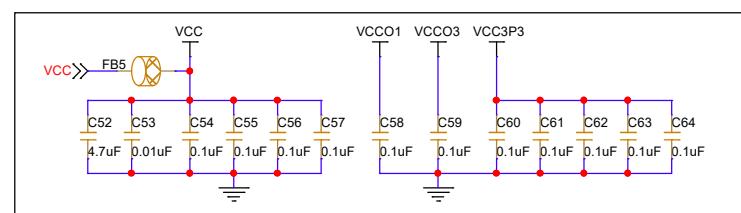
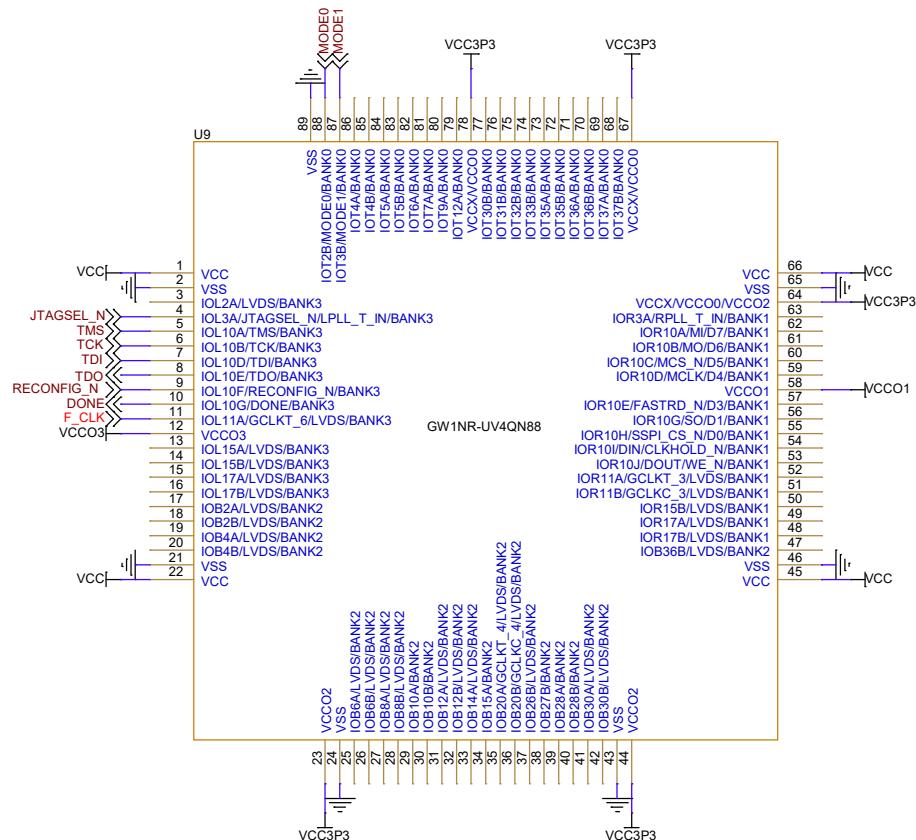
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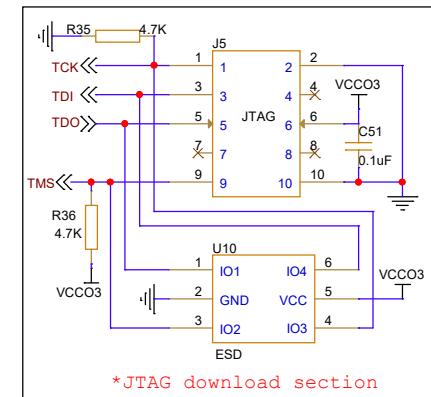
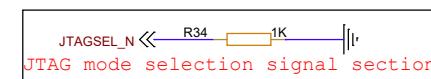
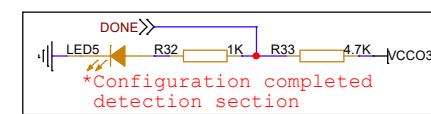
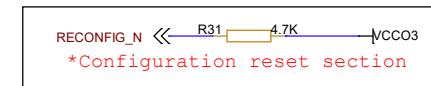
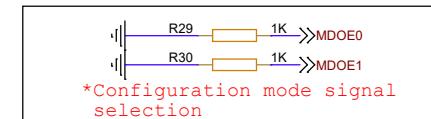


Notes:

1. F_CLK signal is an external input clock signal.

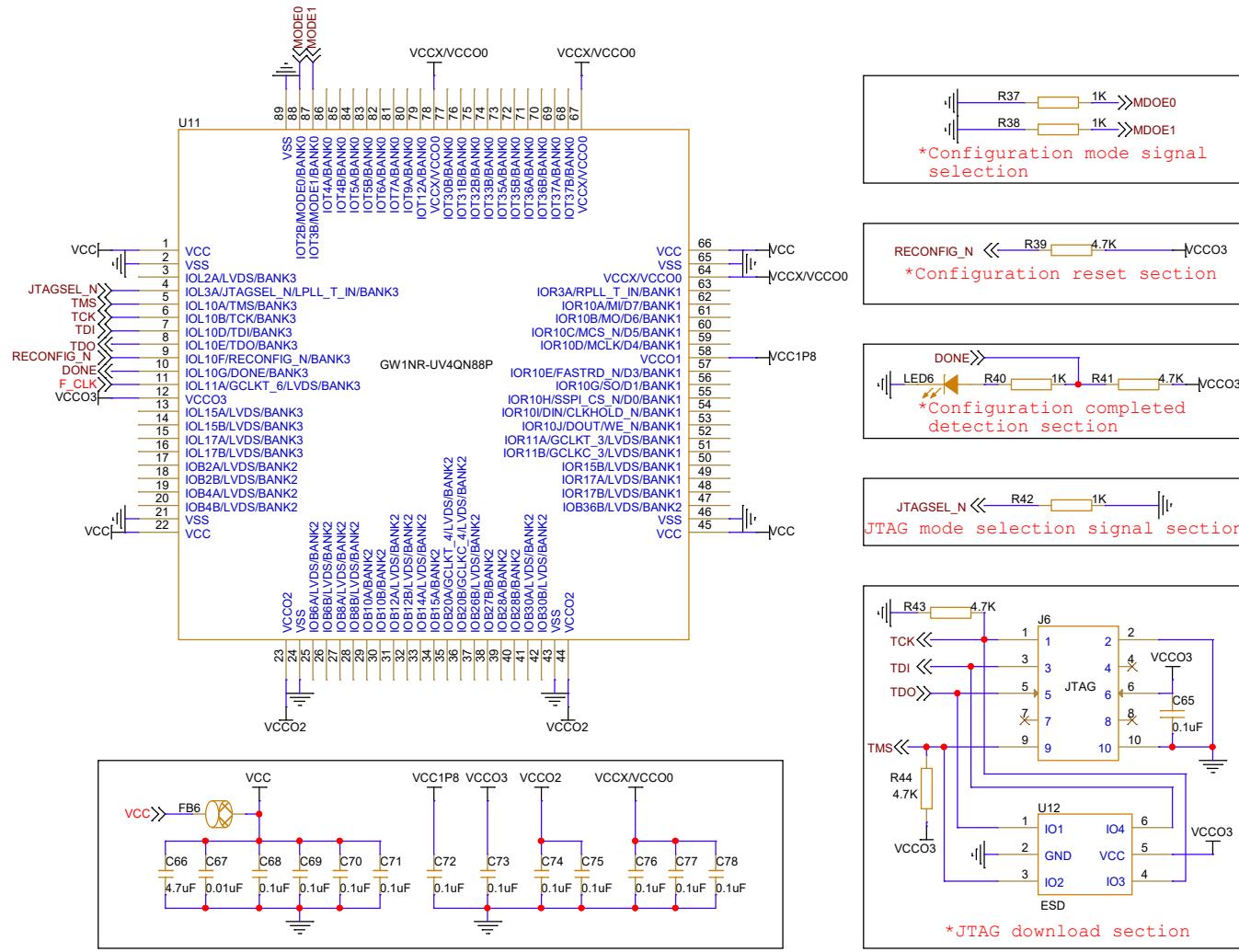
It is recommended that F_CLK signal be provided through an active oscillator crystal.

2. It is recommended that add an ESD protection chip to the JTAG download circuit.



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**Notes:**

1. F_CLK signal is an external input clock signal.

It is recommended that F_CLK signal be provided through an active oscillator crystal.

2. It is recommended that add an ESD protection chip to the JTAG download circuit.

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GOWIN Minimum System Diagram		
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