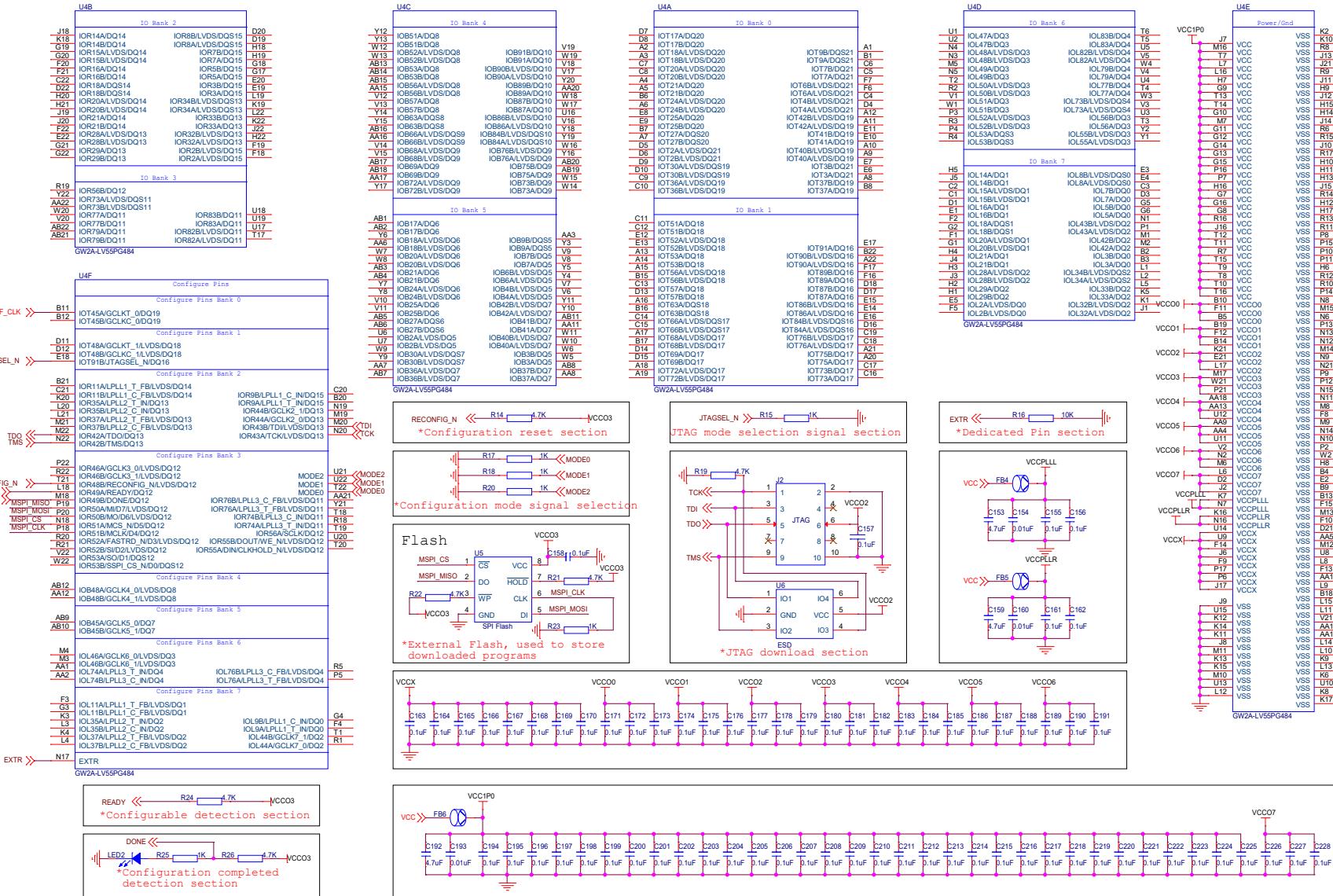


Notes.

- F_CLK signal is an external input clock signal.
 - It is recommended that F_CLK signal be provided through an active oscillator crystal.
 - External Flash memory is used to store downloaded programs.
 - For details about SPI Flash model selection, see Chapter 10 SPI Flash Selection in UG290.
 - It is recommended that add an ESD protection chip to the JTAG download circuit.

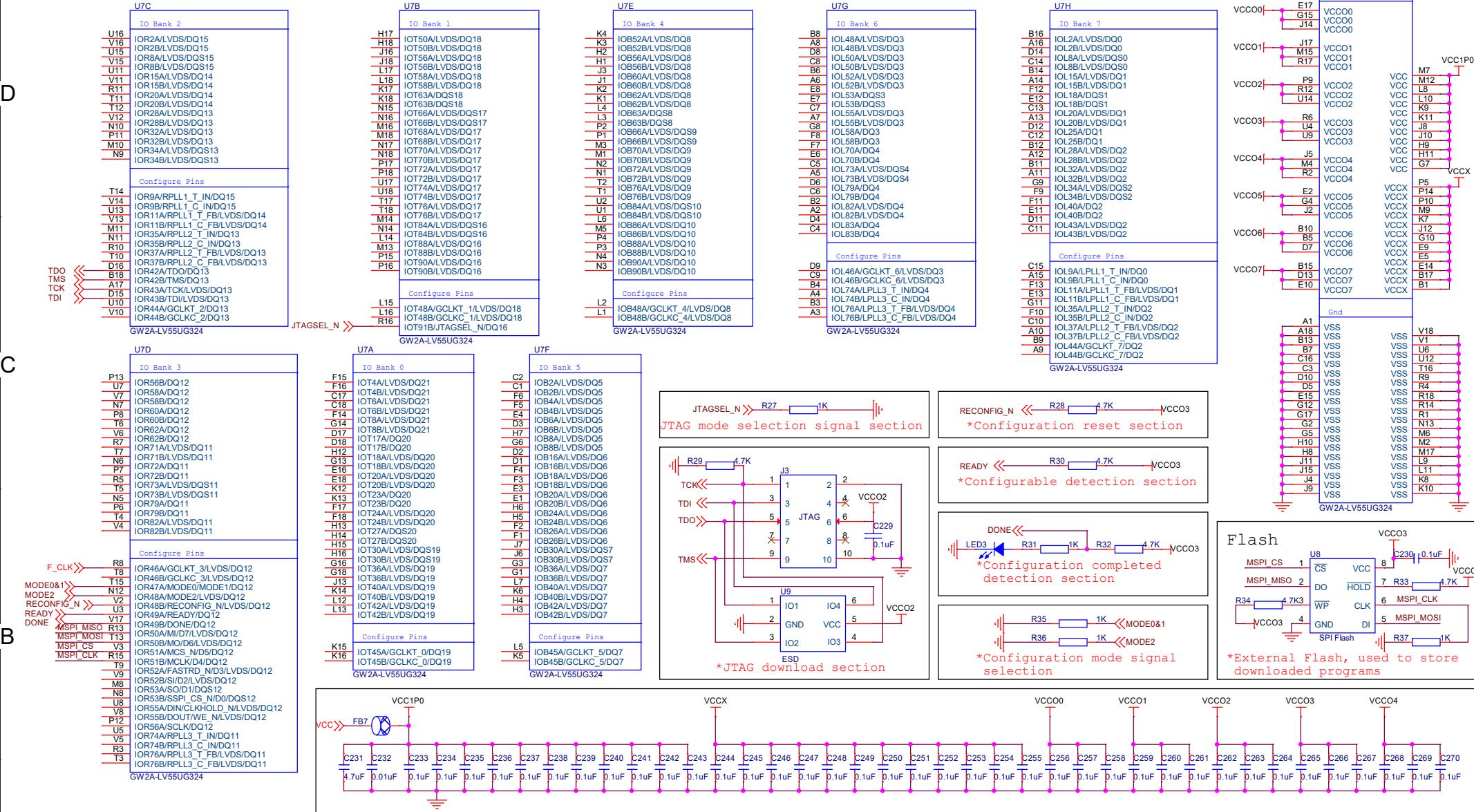
Title	GOWIN Minimum System Diagram	
Size A2	Document Number GW2A-LV55PG1156	Rev 2.0



Notes:

- Notes:**

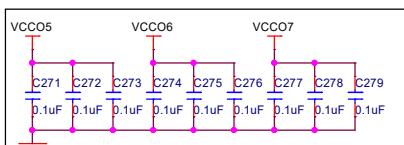
 - 1.F'CLK signal is an external input clock signal.
It is recommended that F'CLK signal be provided through an active oscillator crystal.
 - 2.External Flash memory is used to store downloaded programs.
For details about SPI Flash model selection, see Chapter 10 SPI Flash Selection in UG290.
 - 3.It is recommended that add an ESD protection chip to the JTAG download circuit.

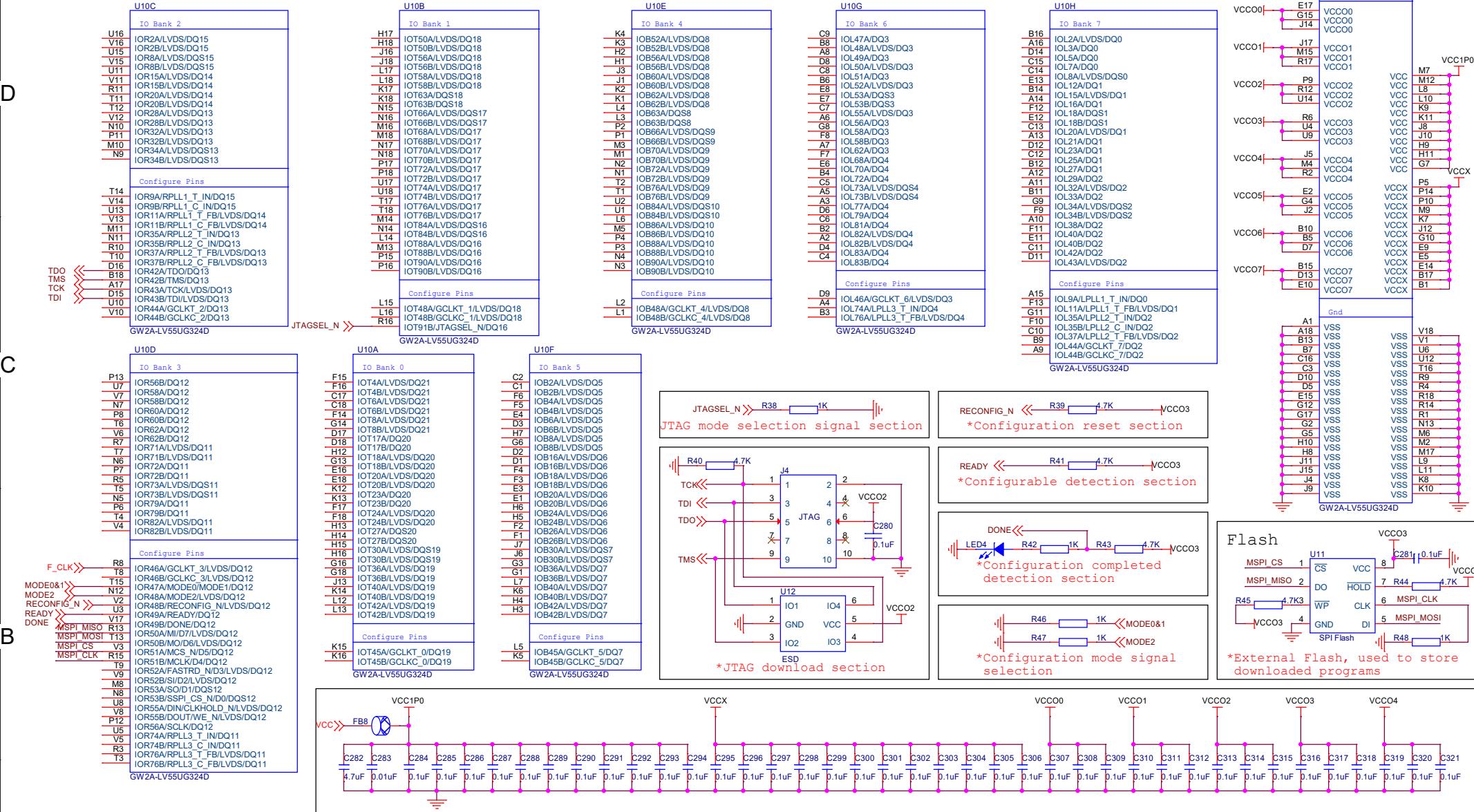


Notes

- 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.External Flash memory is used to store downloaded programs.
For details about SPI Flash model selection, see Chapter 10 SPI Flash Selection in UG290.
 - 3.It is recommended that add an ESD protection chip to the JTAG download circuit.

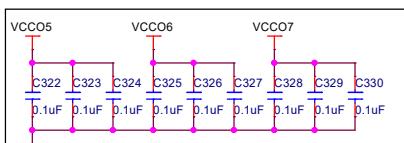




Notes

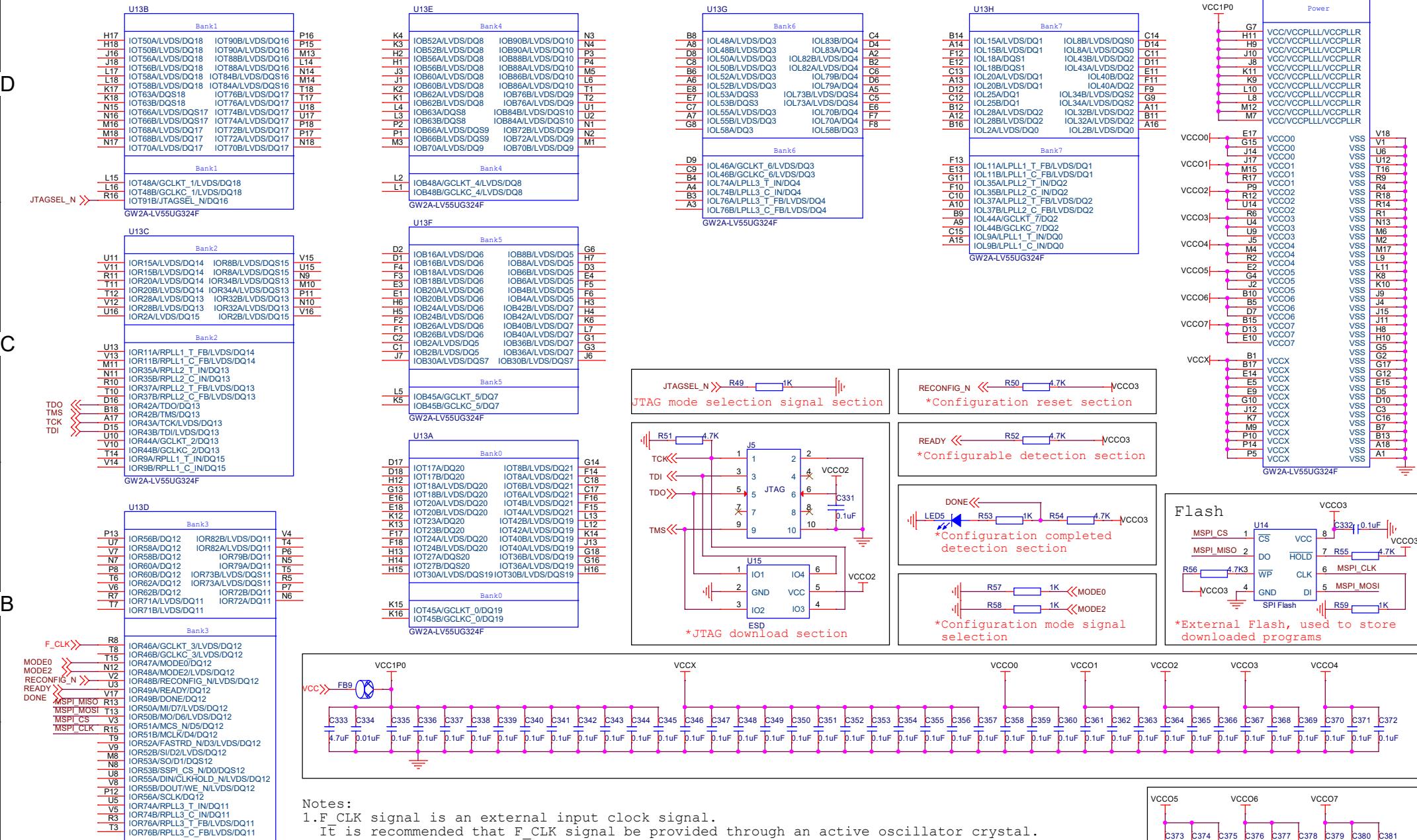
- NOTES:

 - 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.External Flash memory is used to store downloaded programs.
For details about SPI Flash model selection, see Chapter 10 SPI Flash Selection in UG290
 - 3.It is recommended that add an ESD protection chip to the JTAG download circuit.



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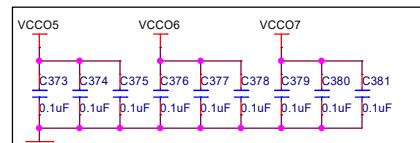
GW2A-LV55UG324F



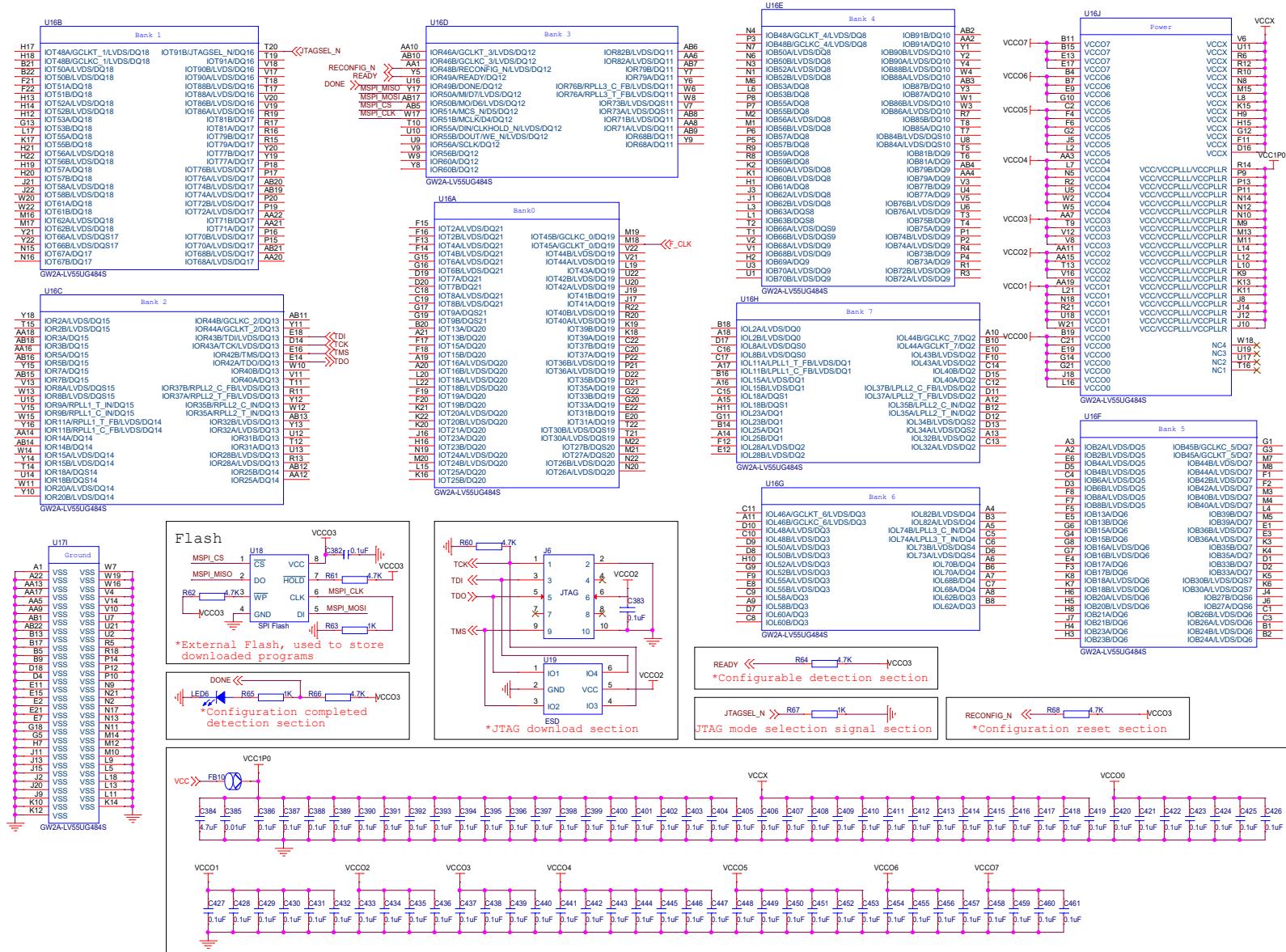
N₂H₄

- 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. External Flash memory is used to store downloaded programs.
For details about SPI Flash model selection, see Chapter 10 SPI Flash Selection in UG290.
 3. It is recommended that add an ESD protection chip to the JTAG download circuit.



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Notes

- 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.External Flash memory is used to store downloaded programs.
For details about SPI Flash model selection, see Chapter 10 SPI Flash Selection in UG290.
 - 3.It is recommended that add an ESD protection chip to the JTAG download circuit.

Title		
GOWIN Minimum System Diagram		
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