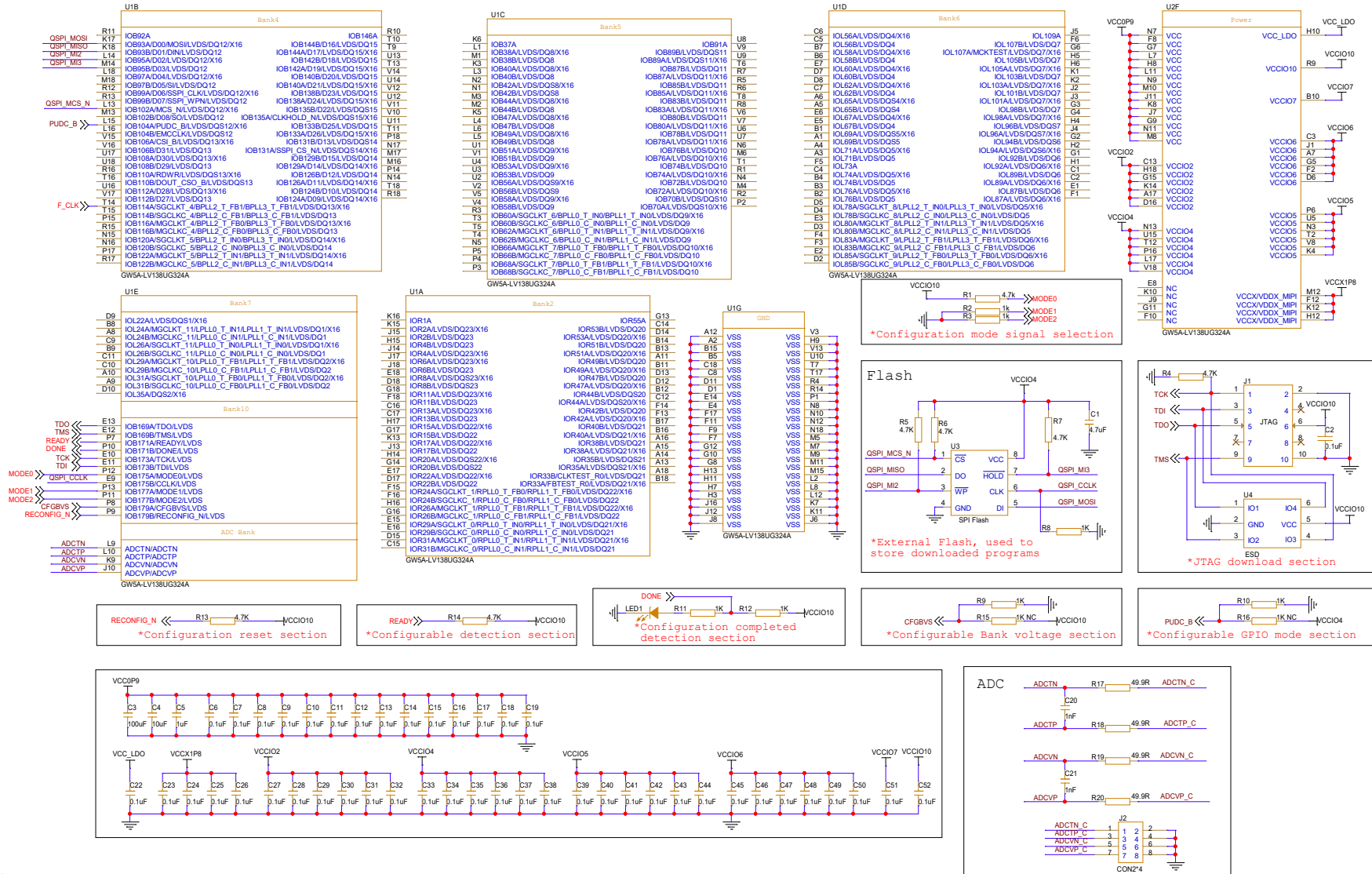


GW5A-LV138UG324A



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.
- External Flash memory is used to store downloaded programs.
- For details about SPI Flash model selection, see "Chapter 4.5 SPI Flash Selection" in UG704, Arora V FPGA Products Programming and Configuration Guide.
- It is recommended that add an ESD protection chip to the JTAG download circuit.
- VCC core voltage requires a large current, so it is recommended to supply power separately.
- The MODE pin is the GowinCONFIG configuration mode selection signal.
- For details about how to select the Mode signal, see "Chapter 3.1 Configuration Modes" in UG704, Arora V FPGA Products Programming and Configuration Guide.