Jumper J5 is used to control I/O pullups during FPGA configuration.

Open (default) to float I/O output during FPGA configuration.

Set jumper 1:2 to enable I/O pullups during FPGA configuration.

Jumpers J35, J36 and J37 are used to set dataout output state.

Configure J35 and J36 to setup outputs idle state as follows:

- (J35 open and J36 closed) --> Clamp
- (J35 closed and J36 open) --> Clamp
- (J35 and J36 closed) --> High-Z
- (J35 open and J36 closed) --> High-Z

Open J37 (default) to connect FPGA outputs
Close J37 to disconnect outputs (High-Z)
With backup oscillator X1, R126 must be mounted and R6 must be unplugged.
**FPGA CONFIGURATION**

Configuration mode selection:
- **FPGA_MODE0** = Parallel (Low) or Serial (High)
- **FPGA_MODE1** = Master (Low) or Slave (High)

When **FPGA_MODE1** is low, the configuration memory is being cleared.

During configuration, a low on this output indicates that a configuration data error has occurred.

**SPI FLASH CTRL SIGNALS**

Place D39 close to the FPGA device
FPGA BANK 3 NOT USED
Use J38 to enable/disable power for SPI flash device. J38 must be open when using external SPI flash device on connector 220. Default value closed.