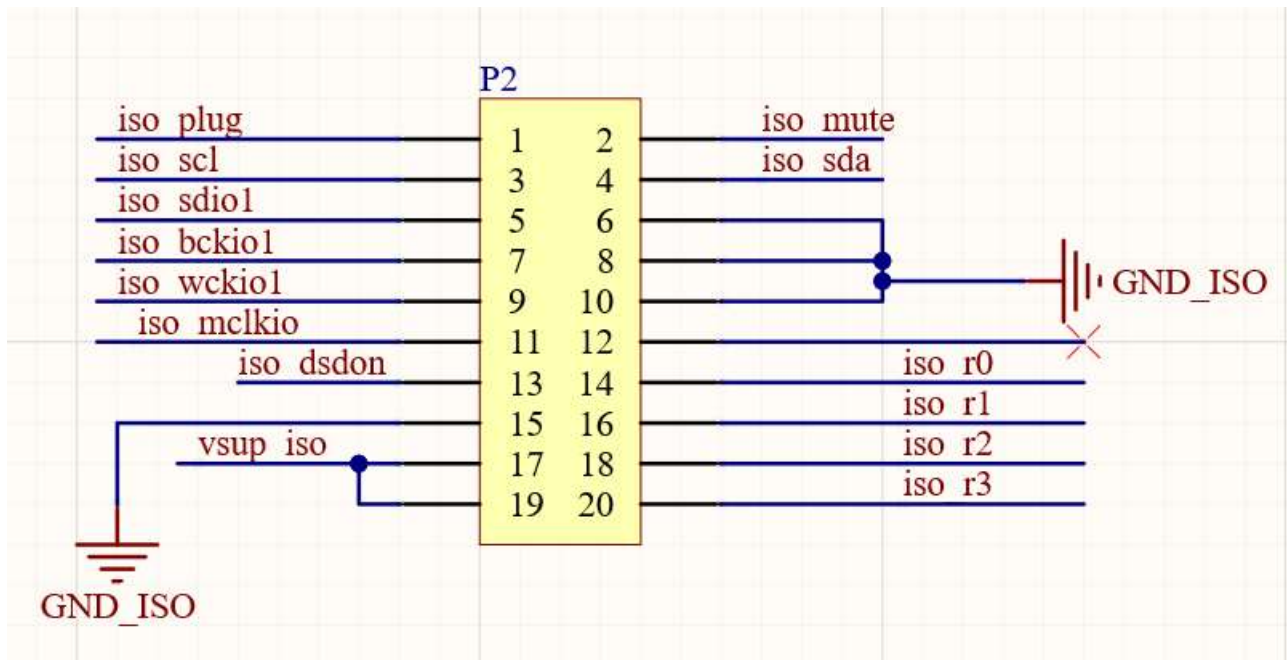


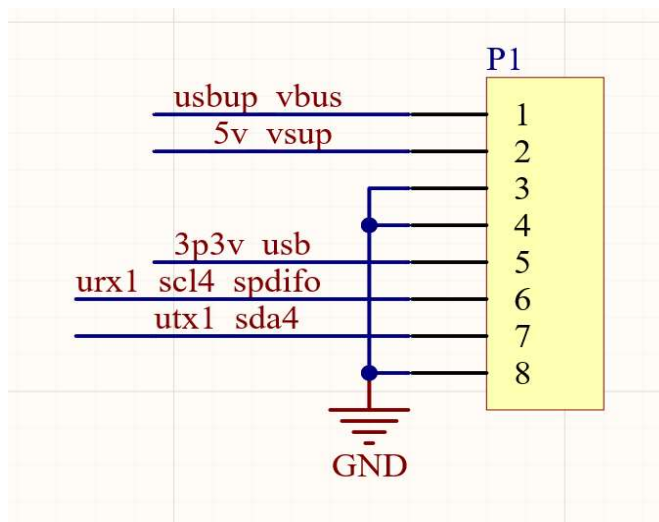
## Interface

Pinout of York Pico ISO module:



For the 2ch I2S and 2ch NOS DAC pin configuration please refer to York Pico datasheet. Pins 17, 19 (vsup\_iso) are inputs for the supply of the “clean” side, the voltage can be in range of 3.3 to 5V.

The 8 pin header on USB side:



On the York interface there are two pins related to 5V supply:  
usbup\_vbus is from USB.  
5v\_sup is supply for York.

If York is supposed to be powered from USB, these two pins should be connected together. By default they are shorted by solder jumper on the York board:



So this jumper should be removed. And then York should be powered from 5v\_vsup pin, which is also routed on reclocker board.

Here is an example of York configuration for 2ch NOS DAC connection (like PCM63):

A screenshot of a software application titled "York-pico configuration tool". The interface has a tabbed menu at the top with options: "USB descriptor", "Audio interface" (which is selected and highlighted in blue), "Clocking", "GPIO", "I2C", "IN13", "Serial interface", "DSP support", and "About". Below the tabs, there are four configuration sections, each with a label and a dropdown menu: "Configuration" set to "2ch NOS dac output", "Data format" set to "RJ", and "Data width" set to "20". Below these is a checkbox labeled "Master" which is checked with a blue checkmark. At the bottom left, it says "Status: Connected". At the bottom right, there is a blue button labeled "Write Config".

Data width should match with the resolution of DAC IC.

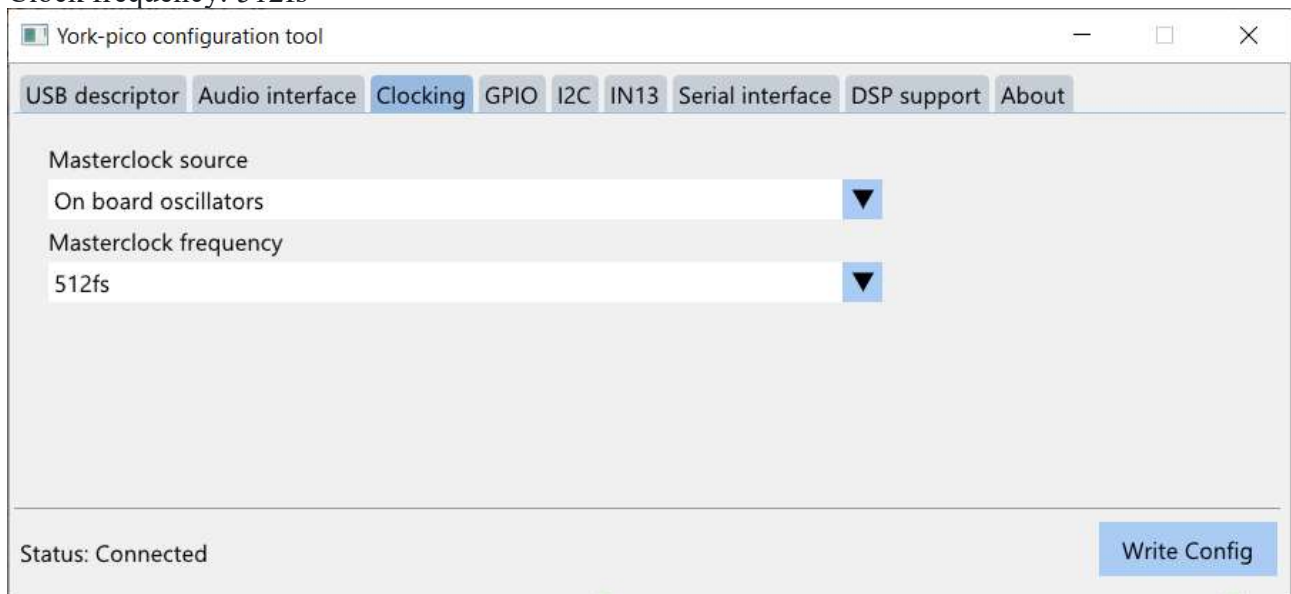
## Clocking configuration

York Pico ISO has full duplex line for master clock signal. That means, it can be configured as output ( if “On board oscillators” option is selected) and input (in case of “external clock” option). By default the oscillators soldered on the York module and on the Reclock board are 512fs (24.576Mhz and 22.5792MHz).

Correct default configuration for York ISO without external clock would be:

Clock source: On board oscillators

Clock frequency: 512fs

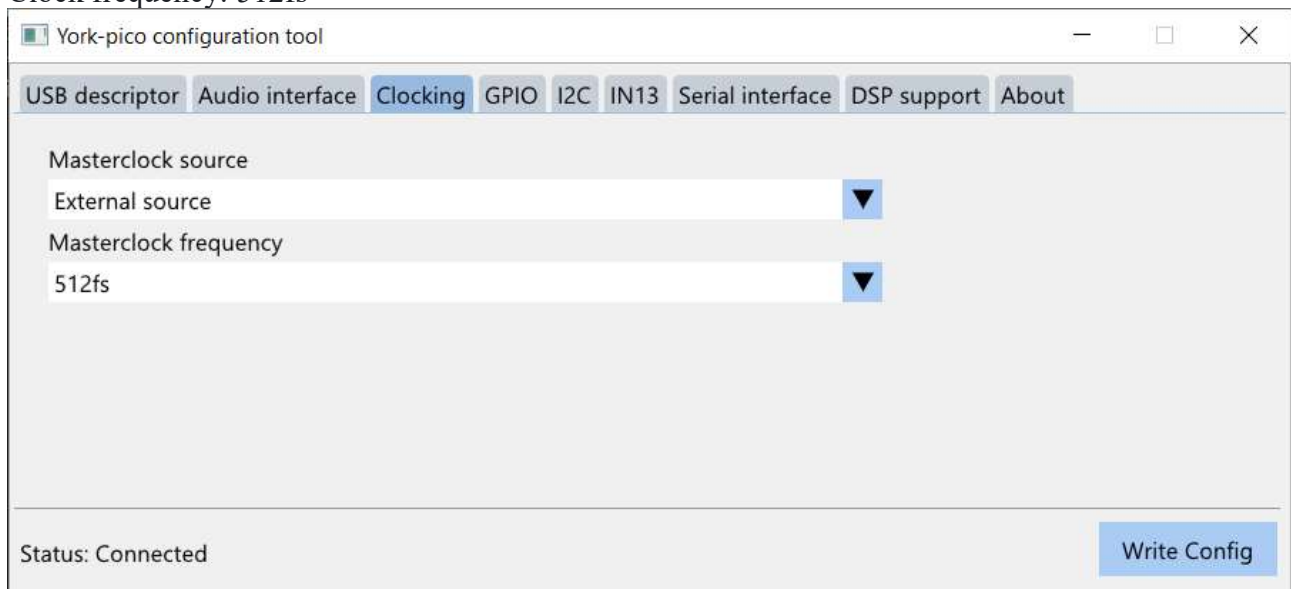


The screenshot shows the 'York-pico configuration tool' window. The 'Clocking' tab is selected. The 'Masterclock source' dropdown menu is set to 'On board oscillators'. The 'Masterclock frequency' dropdown menu is set to '512fs'. The status bar at the bottom indicates 'Status: Connected' and there is a 'Write Config' button.

And for York ISO + reclock board:

Clock source: external clock

Clock frequency: 512fs



The screenshot shows the 'York-pico configuration tool' window. The 'Clocking' tab is selected. The 'Masterclock source' dropdown menu is set to 'External source'. The 'Masterclock frequency' dropdown menu is set to '512fs'. The status bar at the bottom indicates 'Status: Connected' and there is a 'Write Config' button.

Please do not use "On board oscillators" option with reclocker board. If you select this option, mclk pin on York side becomes output and would drive clock line. So both reclock and York would drive the same line.