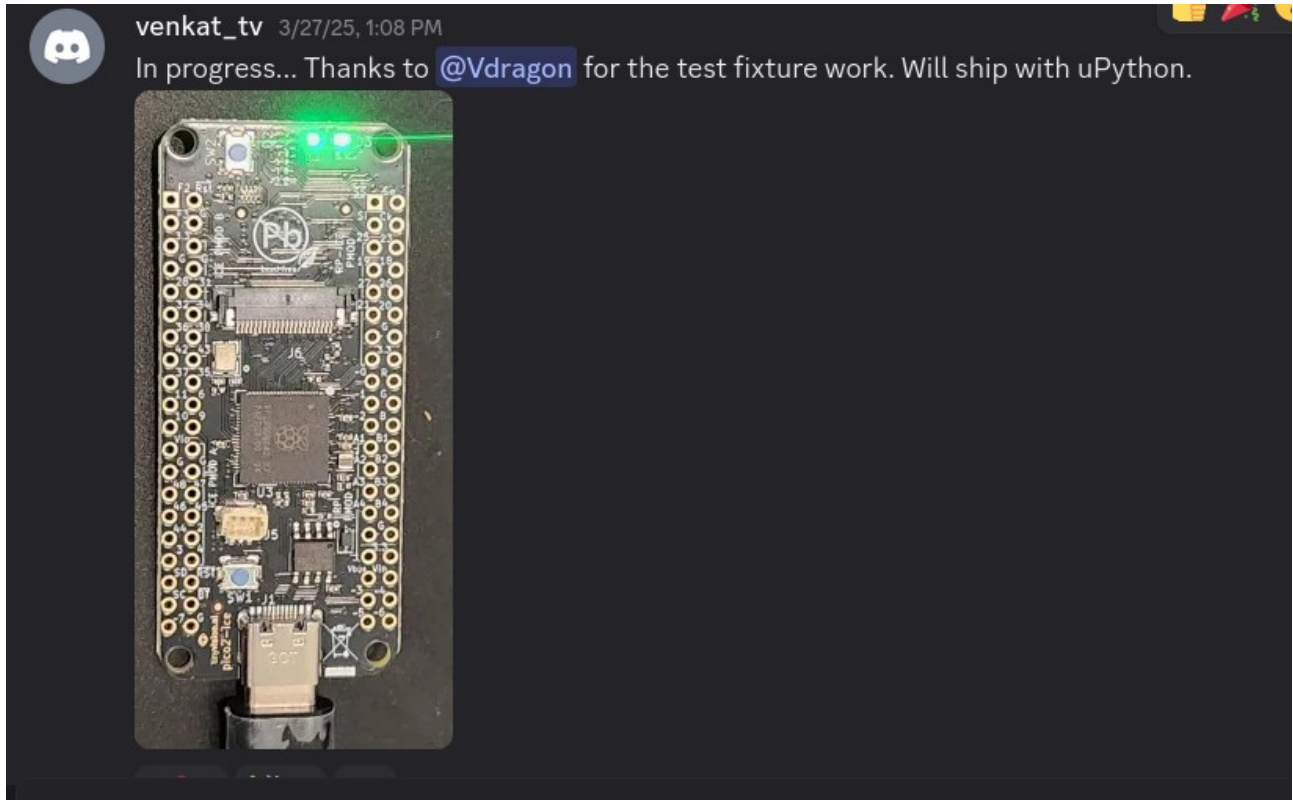


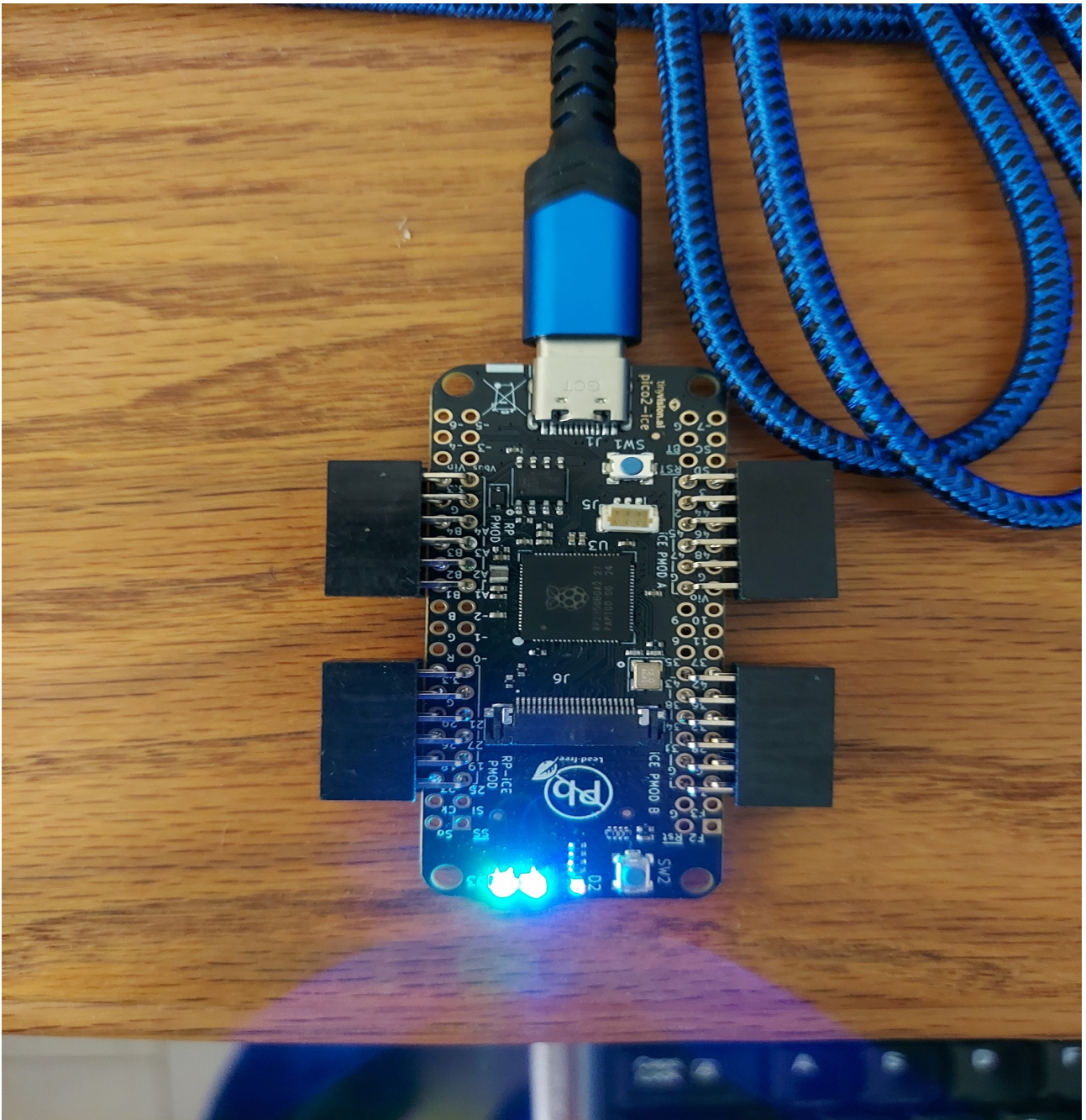
*****Default*****
pico2-ice rev1
04/09/25
*****Default*****

This version was received 04/05/25 from tinyvision.ai

This image was posted before shipped.



pico2-with pmods



/dev/ttyACM0

https://pico-ice.tinyvision.ai/group__ice__usb.html#autotoc_md2

pico2-ice>

pico-ice default firmware

<https://github.com/tinyvision-ai-inc/pico-ice/tree/main/Firmware/pico-ice-default>

Serial port #0 - this shell, with commands:

v - print pico-ice-sdk version

Serial port #1 - forwarding to UART

UART TX on RP20 = ICE27

UART RX on RP30 = ICE25

Serial port #2 - forwarding to SPI:

https://pico-ice.tinyvision.ai/group__ice__usb.html#autotoc_md2

pico2-ice>

pico-ice default firmware

<https://github.com/tinyvision-ai-inc/pico-ice/tree/main/Firmware/pico-ice-default>

Serial port #0 - this shell, with commands:

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Serial port #1 - forwarding to UART

UART TX on RP20 = ICE27

UART RX on RP30 = ICE25

Serial port #2 - forwarding to SPI:

https://pico-ice.tinyvision.ai/group__ice__usb.html#autotoc_md2

pico2-ice>

xx

devel@pi5-90:~ \$ git clone https://github.com/develone/pico2-ice.git -b test-dev

Cloning into 'pico2-ice'...

remote: Enumerating objects: 304, done.

remote: Counting objects: 100% (304/304), done.

remote: Compressing objects: 100% (203/203), done.

remote: Total 304 (delta 134), reused 239 (delta 73), pack-reused 0 (from 0)

Receiving objects: 100% (304/304), 10.71 MiB | 19.62 MiB/s, done.

Resolving deltas: 100% (134/134), done.

devel@pi5-90:~ \$ cd pico2-ice/



xx

```
```python
```

```
from machine import Pin
```

```
import ice
```

```
fpga = ice.fpga(cdone=Pin(40), clock=Pin(21), creset=Pin(31), cram_cs=Pin(5), cram_mosi=Pin(4),
cram_sck=Pin(6), frequency=48)
```

```
file = open("bitstream.bin", "br")
```

```
fpga.start()
```

```
fpga.cram(file)```
```

```
pico2-ice rev1
```



[https://pico-ice.tinyvision.ai/group\\_\\_ice\\_\\_usb.html#autotoc\\_md2](https://pico-ice.tinyvision.ai/group__ice__usb.html#autotoc_md2)

pico2-ice>

pico-ice default firmware

[https://github.com/develone/pico2-ice/blob/test-dev/Firmware/pico2-ice-default/](https://github.com/develone/pico2-ice/blob/test-dev/Firmware/pico2-ice-default/pico2_ice_default.uf2)

pico2\_ice\_default.uf2

<https://github.com/tinyvision-ai-inc/pico-ice/tree/main/Firmware/pico-ice-default>

Serial port #0 - this shell, with commands:

v - print pico-ice-sdk version

Serial port #1 - forwarding to UART

UART TX on RP20 = ICE27

UART RX on RP30 = ICE25

Serial port #2 - forwarding to SPI:

[https://pico-ice.tinyvision.ai/group\\_\\_ice\\_\\_usb.html#autotoc\\_md2](https://pico-ice.tinyvision.ai/group__ice__usb.html#autotoc_md2)

pico2-ice>

pico-ice default firmware

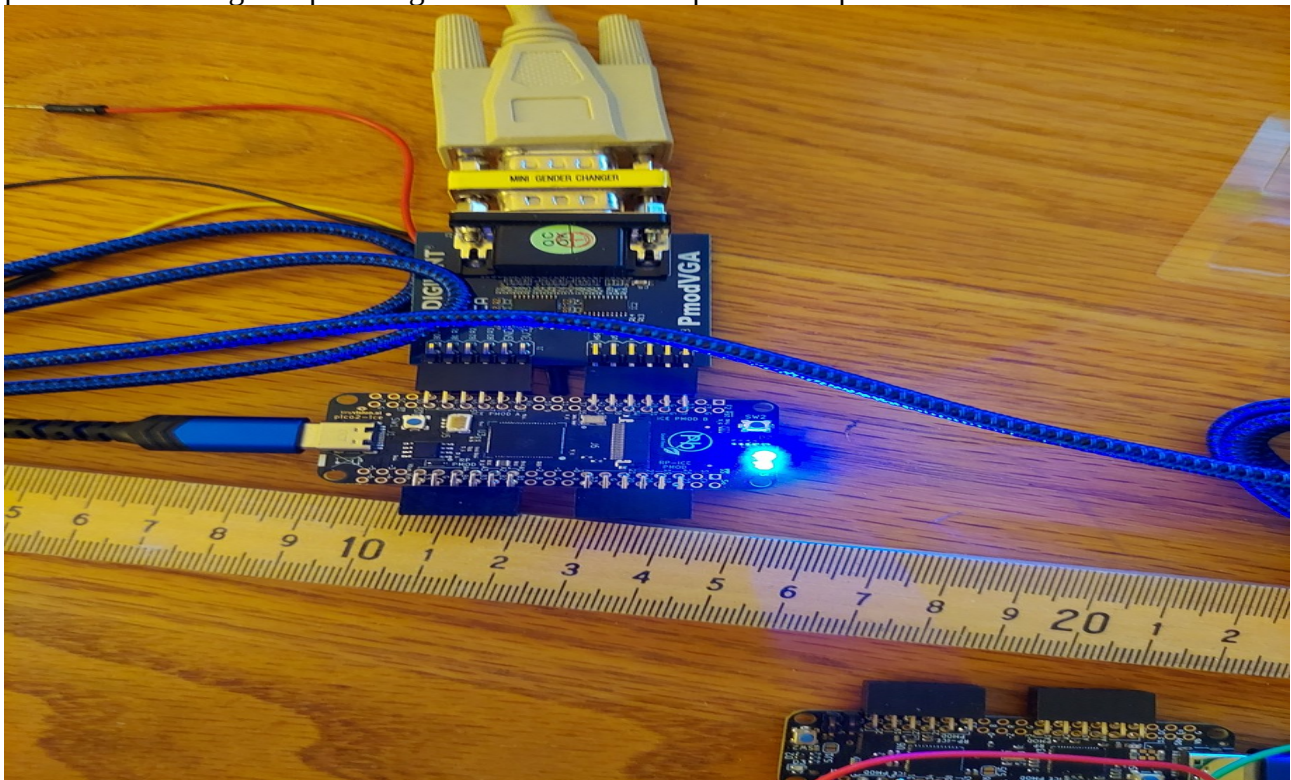
<https://github.com/tinyvision-ai-inc/pico-ice/tree/main/Firmware/pico-ice-default>

Serial port #0 - this shell, with commands:

v - print pico-ice-sdk version

xxx

pico2-ice with Digilent pmod-vga This works on the pico-ice or pico2-ice



XXX



XXX



XX

Serial port #1 - forwarding to UART

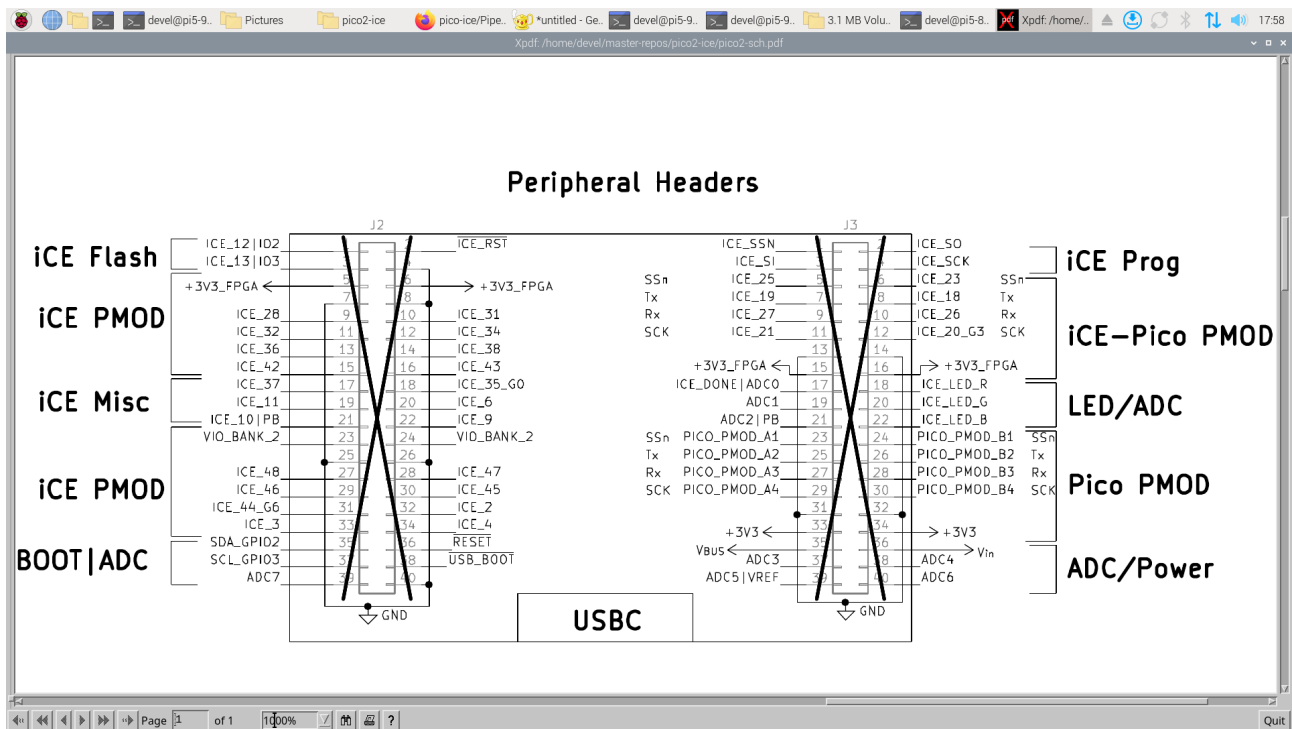
UART TX on RP20 = ICE27

UART RX on RP30 = ICE25

Serial port #2 - forwarding to SPI:

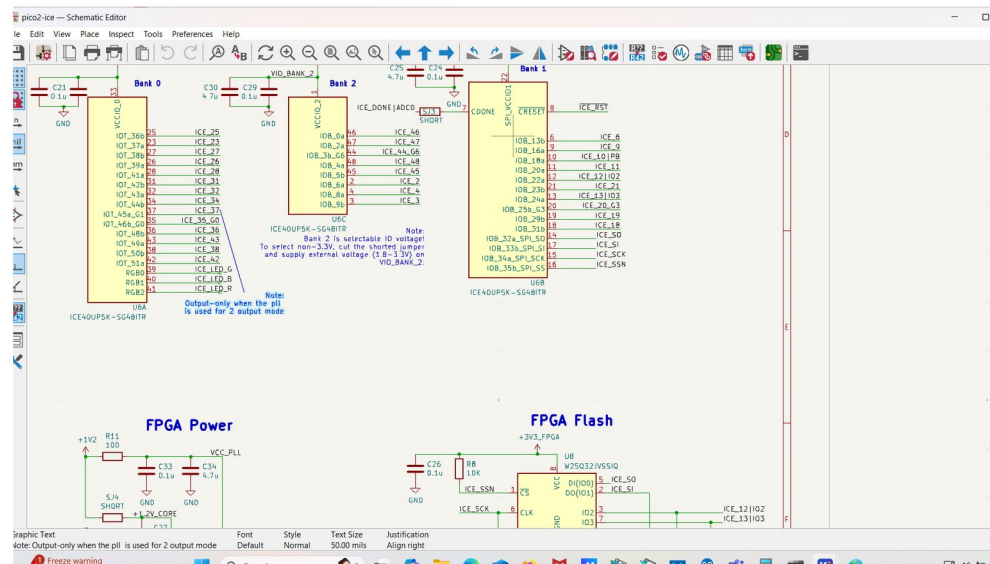
[https://pico-ice.tinyvision.ai/group\\_\\_ice\\_\\_usb.html#autotoc\\_md2](https://pico-ice.tinyvision.ai/group__ice__usb.html#autotoc_md2)

XX



xx

pico2-ice>  
xx



xx  
RP2350

