

Quick Start Guide of EPD Pico Development Kit (EPDK)

Content	Picture	Content	Picture
1x Raspberry Pi Pico RP2040 with 40 header pins soldered		1x EPD Extension board Gen 3 (EXT3 or EXT3-1)	
1x 2.66" Aurora Mb Black & White (E2266CS0C#)		1x 10-pins or 20-pins bridging cable	

Prerequisites

- Prepare one micro-USB cable, which is not included in the kit.
- Download the Raspberry Pi Pico firmware using the QR-code or from https://www.pervasedisplays.com/wp-content/uploads/2021/10/Demo266_rpipico.zip.
- Unzip it to get the `Demo266_PicoReader.ino.rpipico.uf2` file and save it in your PC.

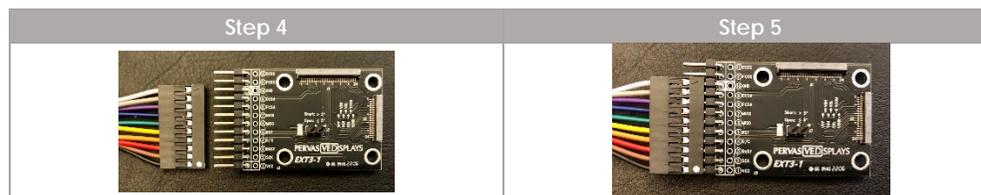


Steps

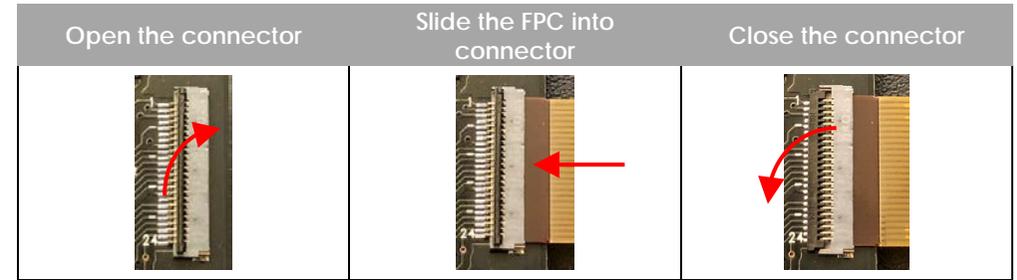
1. Unplug the micro-USB cable between the Pico and the USB port of the computer.
2. Place the pin mapping label on top of rear side of the Pico board and use the bridging cable (Step 1 and 2).
3. Follow the color codes to connect with the headers of the Pico (Step 3). Note that pin 1 of the bridging cable is black and only the first ten pins are used.



4. Connect the other side of the bridging cable to the EXT3 / EXT3-1 board (Step 4 and 5). There is black mark on the EXT3 / EXT3-1 for pin 1 and white one for pin 10.



5. Connect the 2.66" EPD to the J2 connector of the EXT3 / EXT3-1 board.



6. The final connection should look like this.

(this picture was connected with a 20 pins of bridging cable. You shouldn't have the rest of pins if connecting with a 10-pins bridging cable)



7. Press down the **BOOTSEL** button (right) on the Pico and hold it while you connect the other end of the micro USB cable between the Pico and your PC. This installs your Raspberry Pi Pico as a mass storage device named **RPI-RPI2**.



8. Release **BOOTSEL** button once the new storage device named **RPI-RPI2** appears in the computer.
9. Drag and drop the unzipped `Demo266_PicoReader.ino.rpipico.uf2` file onto the **RPI-RPI2** mass storage device.
10. Once uploaded, the program starts. Watch and enjoy the demonstration of our powerful Pervasive Displays Library Suite (PDLs).

For more information, scan the QR-code or visit <https://www.pervasedisplays.com/pervasive-displays-library-suite/>.

