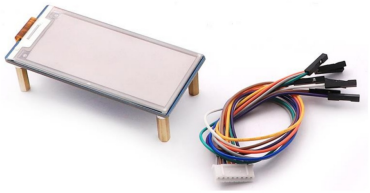
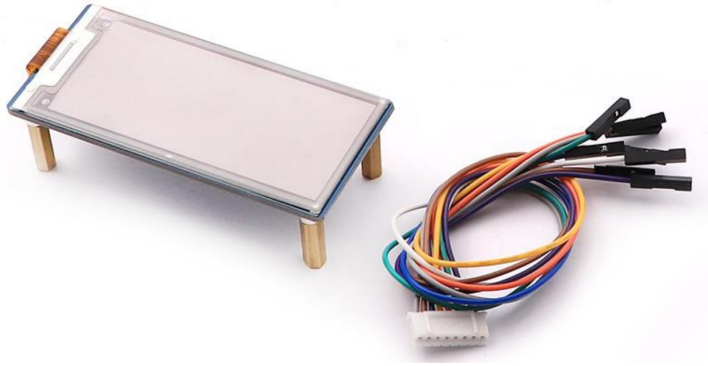


# Raspberry Pi 2.9 Inch E-Paper E-Ink Display Module Instructions



**Raspberry Pi 2.9 Inch E-Paper E-Ink Display Module Instructions**



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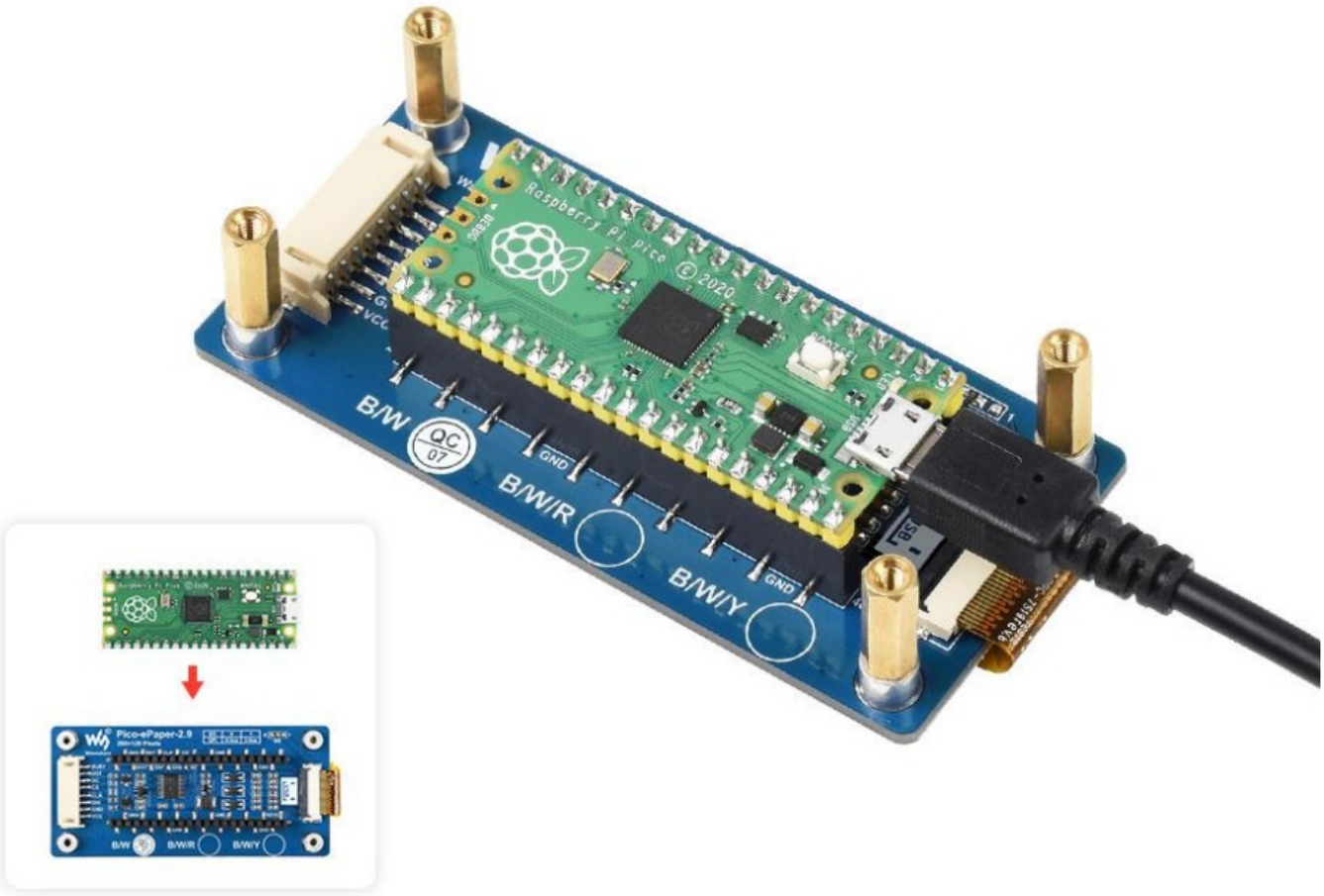
## Advantages Of EINK

E-paper display utilizes microcapsule electrophoretic technology for displaying, the principle is: charged particles suspended in clear fluid will move to sides of microcapsule when electric field is applied, making the microcapsule become visible by reflecting ambient light, just as traditional printed paper.
E-paper display will clearly display images/texts under lamplight or natural light, requires no backlight, and features nearly up to 180° viewing angle. It is usually used as e reader due to its paper-like effect.

### Raspberry Pi Pico Header Compatibility

Onboard Female Pin Header For Direct Attaching To Raspberry Pi Pico

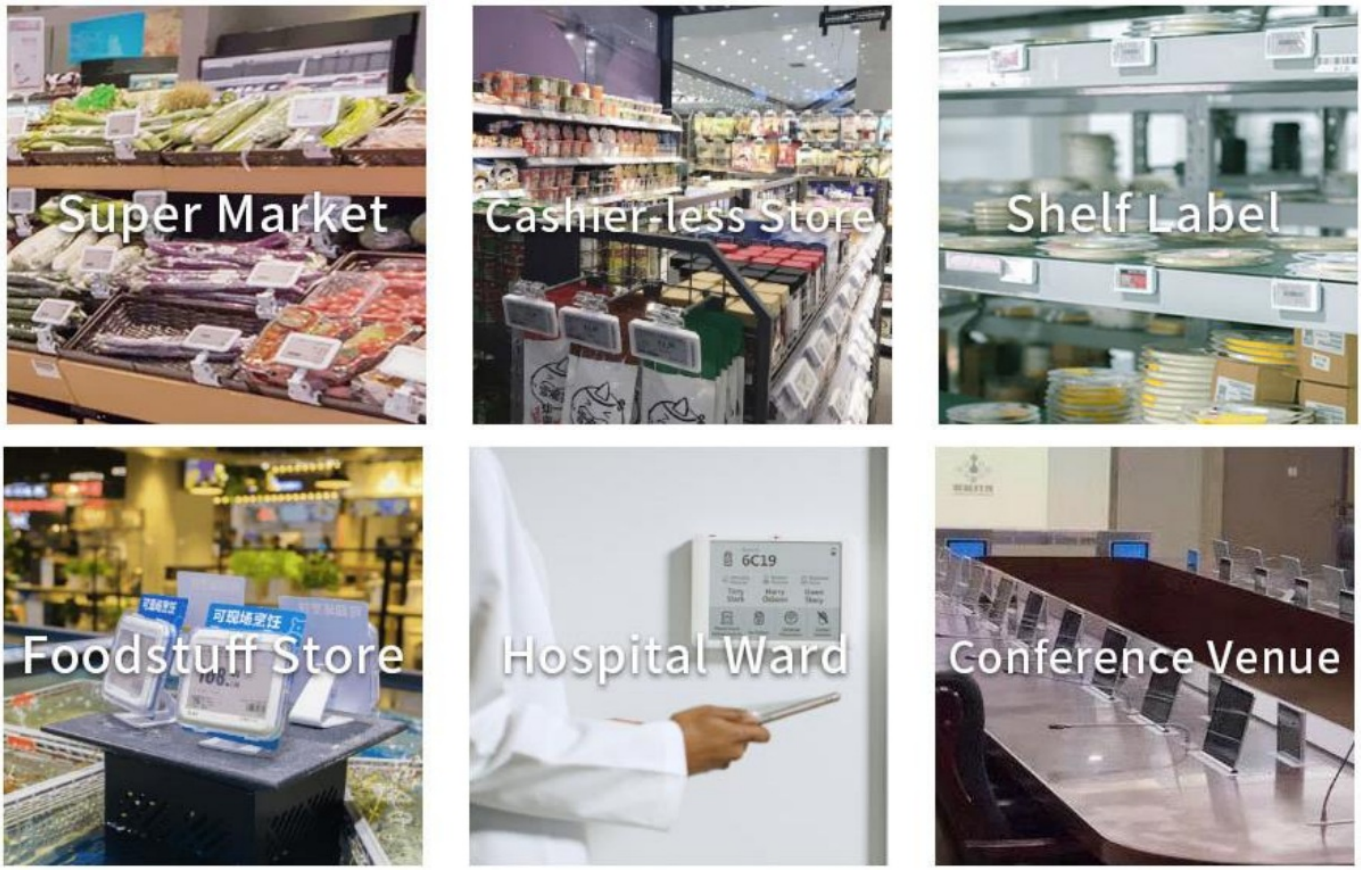



* Please correctly connect the module and raspberry Pi Pico as the picture shown.

**Raspberry Pi Pico is NOT included.**

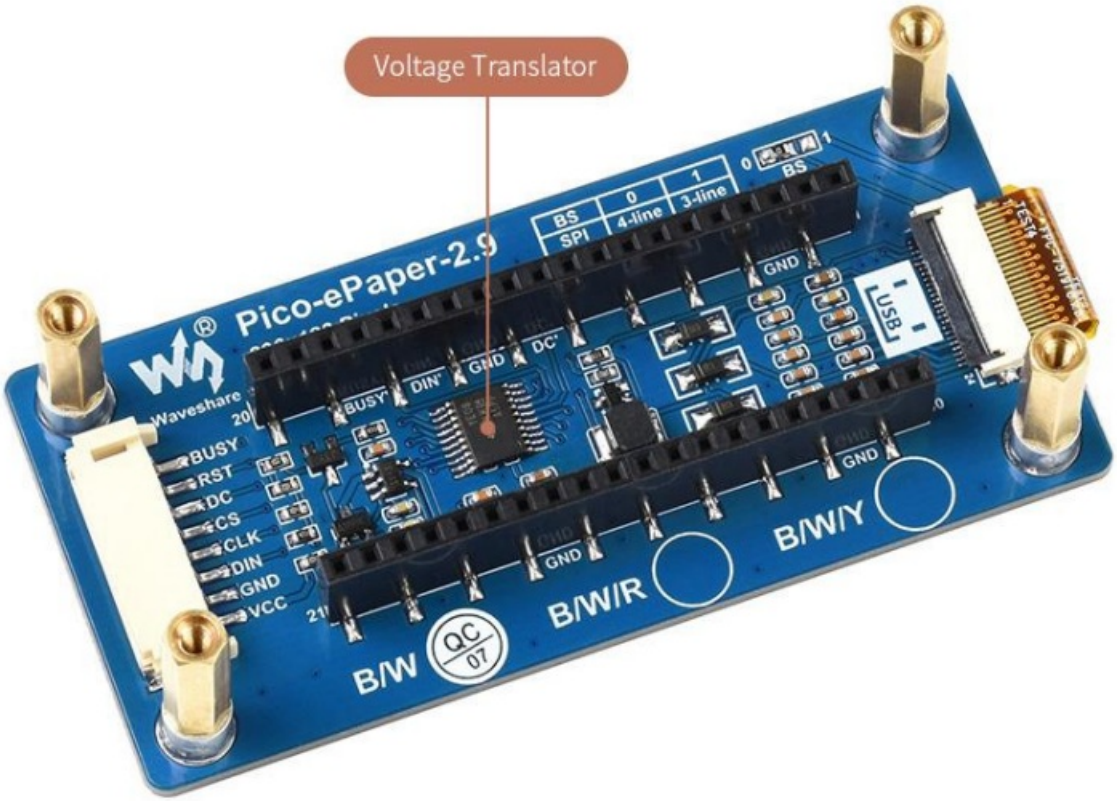
### Application Examples

Suitable for Price Tags, Asset/Equipment Tags, Shelf Labels, Conference Name Tags…

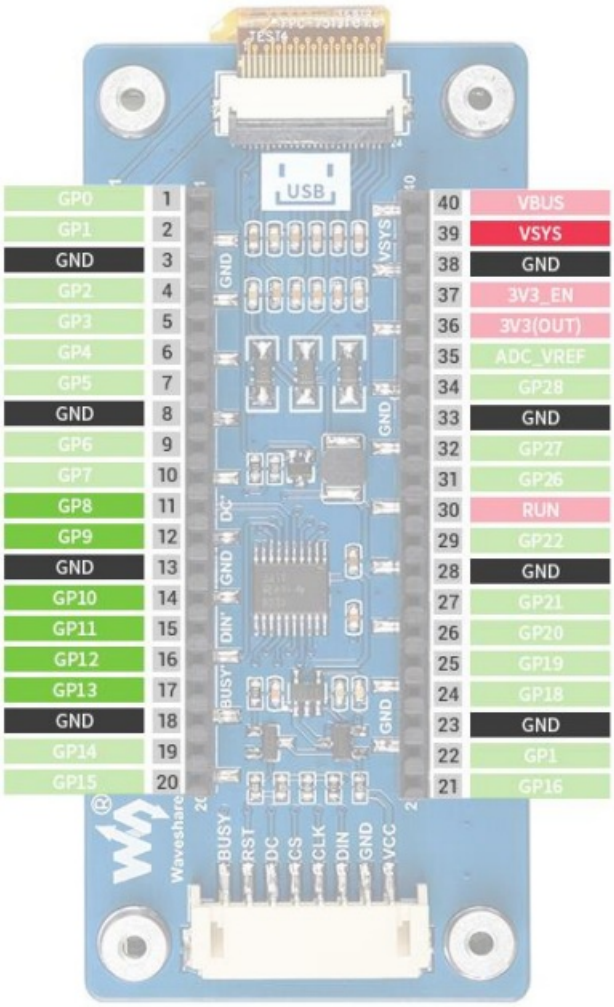



**Onboard Voltage Translator**

**Compatible With 3.3V / 5V MCUs**




**Pinout Definition**




| | | |
|---|---|---|
| VSYS | | Power input |
| GND | | Ground |
| GP8 | e-Paper_DC | Data/Command control pin (high for data, low for command) |
| GP9 | e-Paper_CS | SPI chip select (low active) |
| GP10 | e-Paper_CLK | SPI SCK pin |
| GP11 | e-Paper_DIN | SPI MOSI pin |
| GP12 | e-Paper_RST | External reset (low active) |
| GP13 | e-Paper_BUSY | Busy status output |

RaspberryPi

## Documents / Resources

| | |
|---|---|
| | Raspberry Pi 2.9 Inch E-Paper E-Ink Display Module [pdf] Instructions<br>2.9 Inch E-Paper E-Ink Display Module, E-Paper E-Ink Display Module, Display Module, Module |

## References

- Raspberry Pi Pico, A Low-Cost, High-Performance Microcontroller Board With Flexible Digital Interfaces

Manuals+.