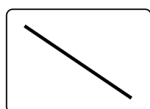
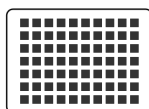


**DESCRIPTION****PACK**

2.8inch Touch Display Module For Raspberry Pi Pico, 262K Colors, 320×240 Pixels, SPI Interface

**Size**

2.8"

Resolution

320×240

Display Color

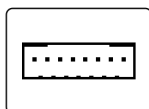
262K Colors

Display Panel

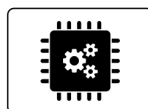
IPS

Touch Type

Resistive

Interface

SPI

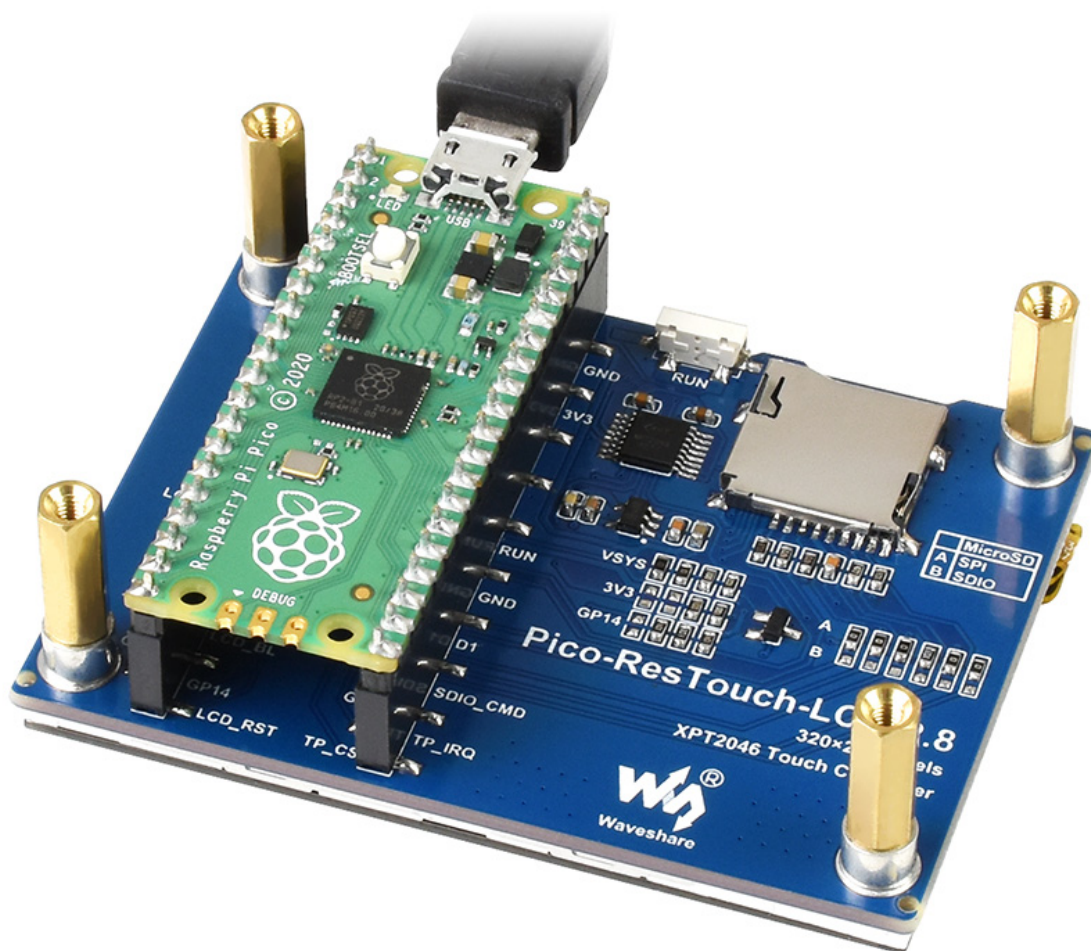
Driver/Controller

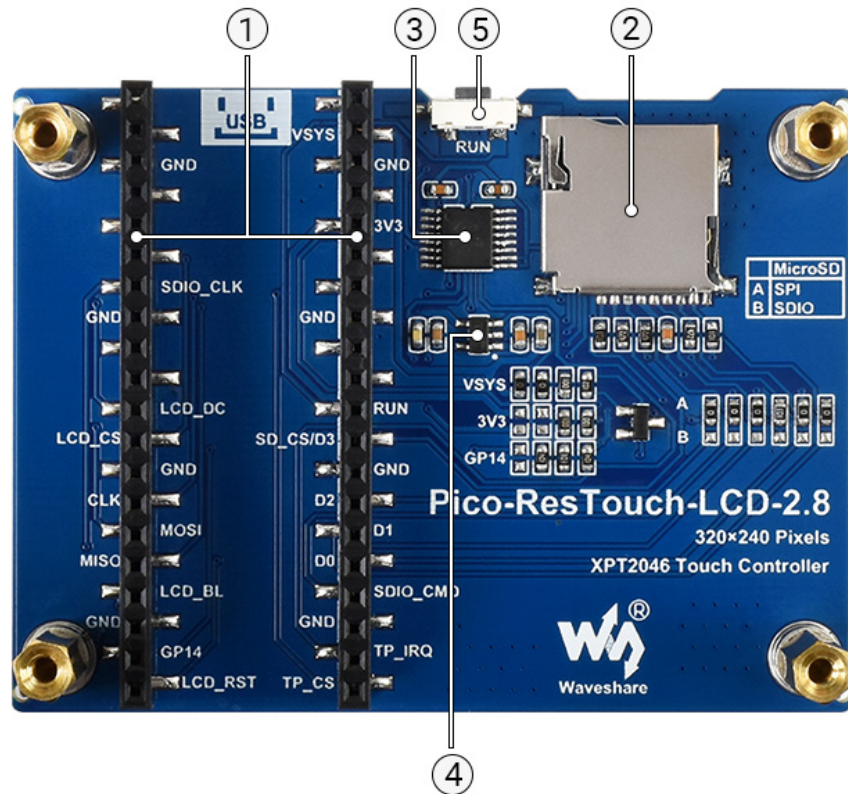
ST7789/XPT2046

OPERATING VOLTAGE	5V	RESOLUTION
COMMUNICATION INTERFACE	SPI	DISPLAY SIZE
DISPLAY PANEL	IPS	PIXEL SIZE
DRIVER	ST7789	DIMENSIONS
TOUCH CONTROLLER	XPT2046	

Raspberry Pi Pico Header Compatibility

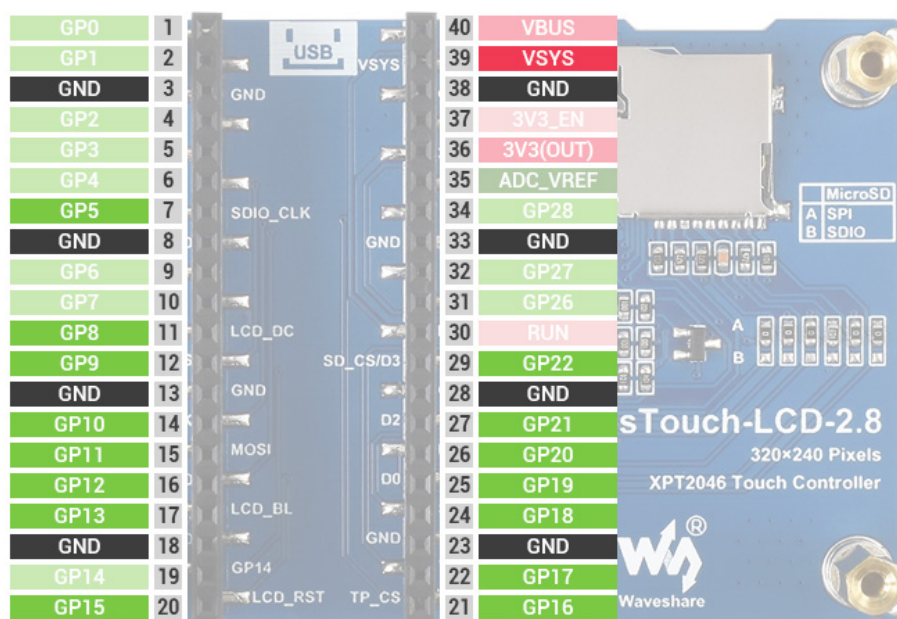
Onboard Female Pin Header For Direct Attaching To Raspberry Pi Pico





1. **Raspberry Pi Pico header**
2. **MicroSD card slot**
3. **XPT2046**
resistive touch controller
4. **RT9193-33**
3.3V linear voltage regulator
5. **Pico reset button**

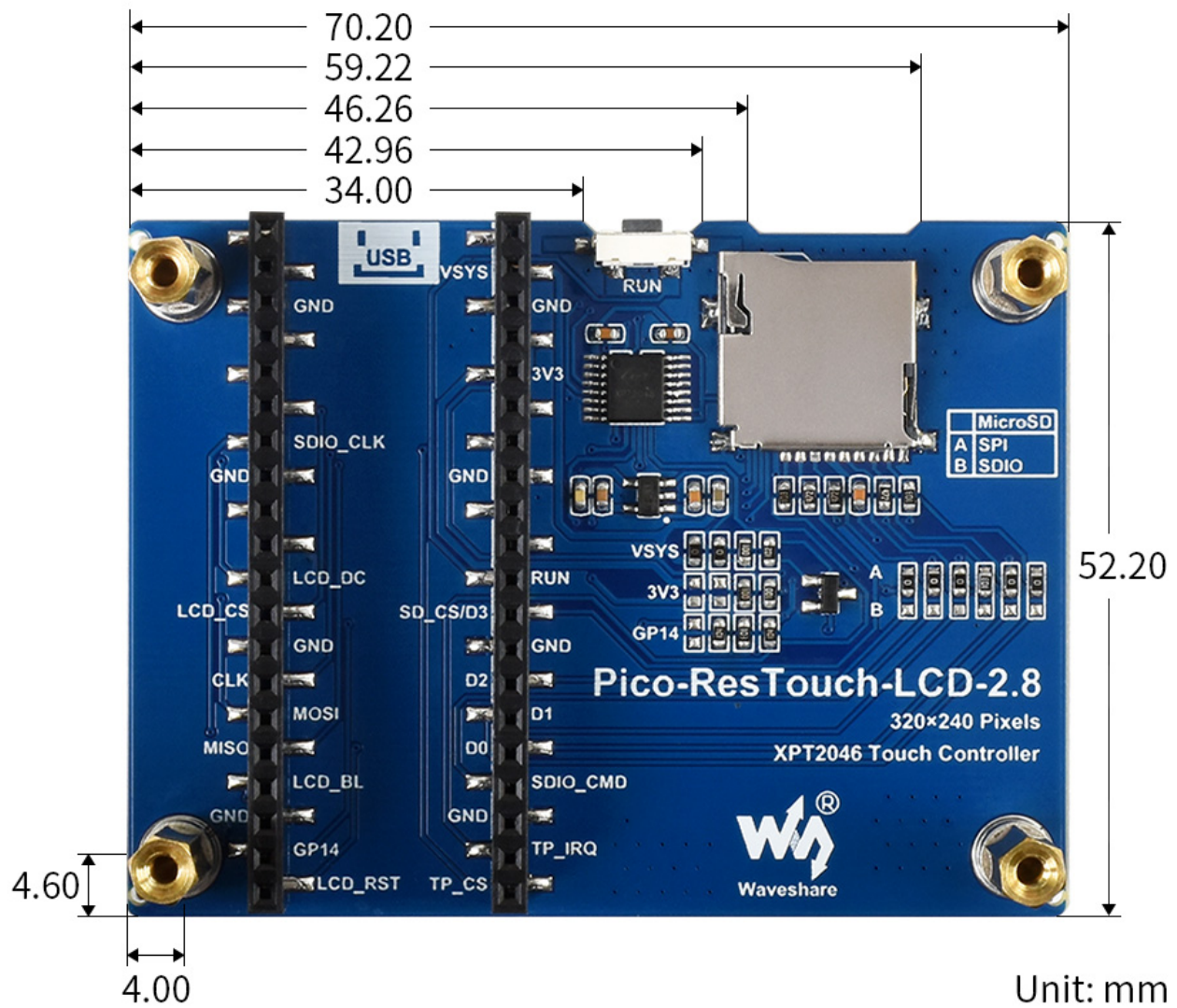
Pinout Definition



VSYS		5V power supply
GND		Ground
GP5	SDIO_CLK	SDIO CLK pin
GP8	LCD_DC	LCD Command/Data pin
GP9	LCD_CS	LCD chip select
GP10	CLK	SPI CLK pin
GP11	MOSI	SPI MOSI pin
GP12	MISO	SPI MISO pin
GP13	LCD_BL	LCD backlight

GP15	LCD_RST	LCD reset pin
GP16	TP_CS	Touch controller chip select
GP17	TP_IRQ	Touch controller interrupt
GP18	SDIO_CMD	SDIO CMD pin
GP19	D0	SDIO D0 pin
GP20	D1	SDIO D1 pin
GP21	D2	SDIO D2 pin
GP22	SD_CS/D3	SDIO CS/D3 pin

Outline Dimensions



Resources & Services



WAVESHARE
ORIGINAL ✓



PROFESSIONAL
TECH SUPPORT



RICH RESOURCES
MANUAL & DEMO

Selection Guide

PART NUMBER	TYPE	DISPLAY COLOR	PIXELS	DISPLAY SIZE (MM)	BUS	DRIVER
Pico-LCD-0.96	IPS	65K	160×80	21.70×10.80	SPI	ST7735S
Pico-LCD-1.14	IPS	65K	240×135	24.91×14.86	SPI	ST7789
Pico-LCD-1.3	IPS	65K	240×240	23.40×23.40	SPI	ST7789
Pico-LCD-1.44	TFT	65K	128×128	25.50×26.50	SPI	ST7735S
Pico-LCD-1.8	TFT	65K	160×128	35.04×28.03	SPI	ST7735S
Pico-LCD-2	IPS	65K	320×240	40.80×30.60	SPI	ST7789V1
Pico-ResTouch-LCD-2.8	IPS	262K	320×240	57.60×43.20	SPI	ST7789
Pico-ResTouch-LCD-3.5	IPS	65K	480×320	73.44×48.96	SPI	ILI9488