

RaspberryPi

RGB Full-color LED Matrix Panel for Raspberry Pi Pico, 16×10 Grid



Description:

The Pico-RGB-LED is an LED matrix module designed for Raspberry Pi Pico, which has 160 (16×10) RGB full-color external-controlled constant current integrated LEDs, with embedded quality controller IC and LED chip. It is small in size, uses very few peripheral components, and presents a clean-looking front panel. Controlled by a Raspberry Pi Pico, this LED panel is programable for high level, colorful matrix display.

Features:

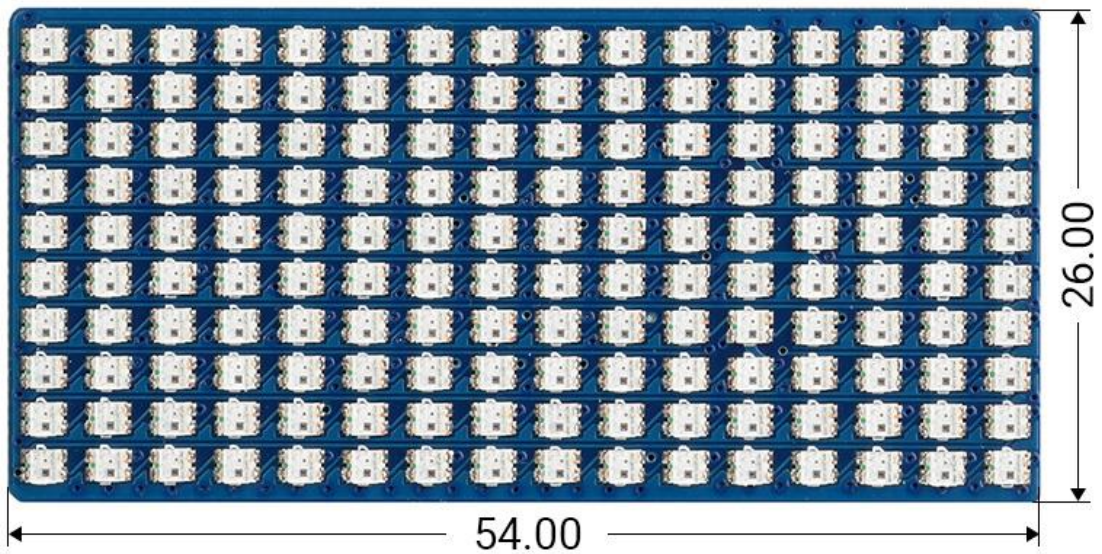
- Standard Raspberry Pi Pico header, supports Raspberry Pi Pico series.
- 160 RGB LEDs arranged in 16×10 grid, multiple IO selection.
- Right-angled 2.54mm pitch male pin header on the bottom, for easy extension.
- 0807 colorful LEDs, integrating quality single wire cascading constant current driver IC and quality RGB LED chip, aka external-controlled constant current integrated LEDs.
- Embedded controller IC, with features like high reliability, high anti-interference performance, high constant current accuracy, and low power consumption.
- Integrated quality LED chip, with high consistent brightness and pure white light effect, lower light degradation.
- Comes with development resources and manual (Raspberry Pi Pico C/C++ and MicroPython examples).



Specifications:

Operating Voltage	5V
Communication	single wire return to zero code
Color Depth	24-bit (each 8-bit of RGB)
Data Rate	800 Kbps
Brightness	adjustable 256 level
Pixels	16 × 10 Pixels
Dimensions	54.00 × 26.00mm

Outline Dimensions:



Unit: mm

Made in China