

2.25" Long Strip LCD Display Module

ST7789 Controller | 76x284 Resolution | 8-Pin SPI Interface

TFT LCD / SPI

GENERAL DESCRIPTION

The **ST7789 2.25-inch Long Strip LCD Module** is a compact, ultra-wide aspect ratio color TFT display module. Featuring a resolution of **76 × 284 pixels** and driven by the reliable **ST7789 controller**, it communicates via a standard **4-wire SPI interface**. Designed with an 8-pin 2.54mm header layout, it is ideal for smart home status bars, wearable devices, industrial gauges, and embedded IoT applications requiring narrow display footprints.

PRODUCT & DIMENSIONAL VIEWS

Active Display View

Active Display Screen & PCB Back Panel View

Dimensional Diagram

Physical Dimensions: 73.15 mm (L) × 21.08 mm (W)

TECHNICAL SPECIFICATIONS

Parameter	Specification
Display Size	2.25 Inch (Diagonal)
Resolution	76 × 284 Pixels
Display Type	TFT LCD Color Display
Driver IC	ST7789 / ST7789V
Interface	4-Wire SPI (Serial Peripheral Interface)
Operating Voltage	3.3V DC (VCC)
Logic Level	3.3V Control Signals
Module Dimensions	73.15 mm × 21.08 mm (2.87" × 0.82")
Pin Header	8-Pin Single Row, 2.54mm Pitch
PCB Revision	VER:2.0 (DAT:2025)

PIN DEFINITION & INTERFACE (8-PIN HEADER)

Pin	Name	Type	Description / Function
1	GND	Power	System Ground connection (0V)
2	VCC	Power	Power Supply Input (+3.3V DC)
3	SCL	Input	SPI Serial Clock Line (SCLK)
4	SDA	Input	SPI Serial Data Input (MOSI)
5	RST	Input	Display Reset Pin (Active Low)
6	DC	Input	Data/Command Control Pin (High = Data, Low = Command)
7	CS	Input	SPI Chip Select Pin (Active Low)
8	BL	Input	Backlight Control Pin (High/PWM for brightness control)