

1.54inch TFT LCD Display with MicroSD Card Breakout

DFR0649

Product Overview

08/17/2022

For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

DFRobot 1.54inch TFT LCD Display with MicroSD Card Breakout is a display module that features high resolution, low power consumption, wide-angle, and easy wiring. This DFR0649 display module offers 240 x 240 resolution and an IPS screen with an 80/80/80 viewing angle. The TFT LCD module supports SPI (4-wire) communication mode and GDI port, plug, and play. This DFR0649 display module operates at a 3.3V to 5V input voltage range with a 24mA maximum power consumption. The TFT LCD module is compatible with multiple main controllers like UNO, Leonardo, ESP32, ESP8266, and FireBeetle M0. Typical applications include wearable devices, MP3/MP4, and weather displays.



Features

- Wide viewing angle
- 240 x 240 pixels high resolution
- GDI interface with plug and play
- Onboard MicroSD card slot

Specifications

- 3.3V to 5V operating voltage range
- 80/80/80/80 IPS angle of view
- 16-bit (RGB565) color depth
- SPI connection port
- ST7789 driver chip
- 250cd/m² (Typical) Brightness
- 17mA (3.3V) and 17mA (5V) (Typical) full-screen power consumption
- -30°C to 70°C operating temperature range
- 27.72mm x 27.72mm display area
- 2mm mount hole diameter
- 19g weight

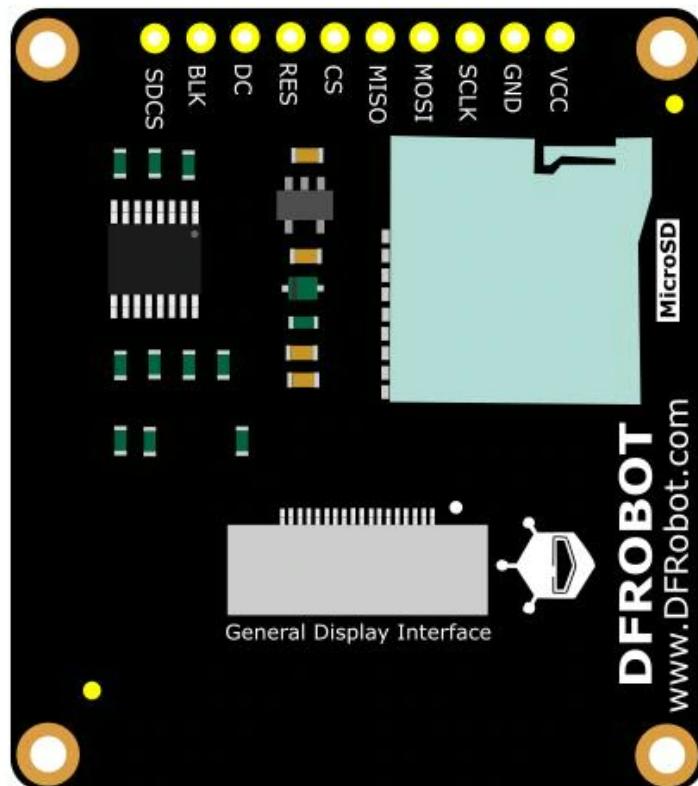
Applications

- MP3/MP4
- Wearable devices
- Weather display

Kit Contents

- 1 x 1.54inch 240 x 240 IPS TFT LCD display with MicroSD card breakout
- 1 x 2.54inch to 10P single-row black pin
- 1 x 10cm FPC0.5 to 18pin flex flat cable reverse direction

Kit Contents



Mouser Part Number

[View Part](#)

To learn more, visit <https://www.mouser.com/new/dfrobot/dfrobot-dfr0649-lcd-display/>