

# DFR0664 2" IPS TFT LCD Display

320 x 240 Display with MicroSD Card

## Product Overview

07/01/2022

For the most up-to-date information, visit [www.mouser.com](http://www.mouser.com) or the supplier's website.

## Description

The DFR0664 2" IPS TFT LCD Display with MicroSD Card Breakout adopts ST7789V driver chip. This LCD display comes in 320 x 240 color pixels (RGB565) and performs excellently in the angle of view (80/80/80/80). The DFR0664 IPS TFT LCD display supports SPI (4-wire) communication mode, General Display Interface (GDI) port (work with main-controllers with GDI), plug, and play. This module comes with a built-in onboard MicroSD card slot for displaying more pictures. The 2" TFT LCD display module features high resolution, a wide viewing angle, and simple wiring. This LCD display module is compatible with multiple main controllers like Arduino UNO, Leonardo, ESP32, ESP8266, and FireBeetle M0.



The TFT LCD display operates from a 3.3V to 5.5V supply voltage range. Applications include waveform monitor display, electronic gift box, electronic weather decorations, and alarm clock display.

## Features

- Wide viewing angle
- High resolution
- 3.3V to 5.5V operating voltage range
- 16-bit (RGB565) color depth
- Brightness 250cd/m<sup>2</sup>
- Full-screen consumption about 29mA (3.3V)/ 29mA (5V) (typical)
- -30°C to 70°C operating temperature range
- 2mm mount hole diameter
- Display dimension:
  - 30.6mm x 40.8mm
- Module dimension:
  - 35.70mm x 60.00mm
- GDI interface with plug and play
- Onboard MicroSD card slot

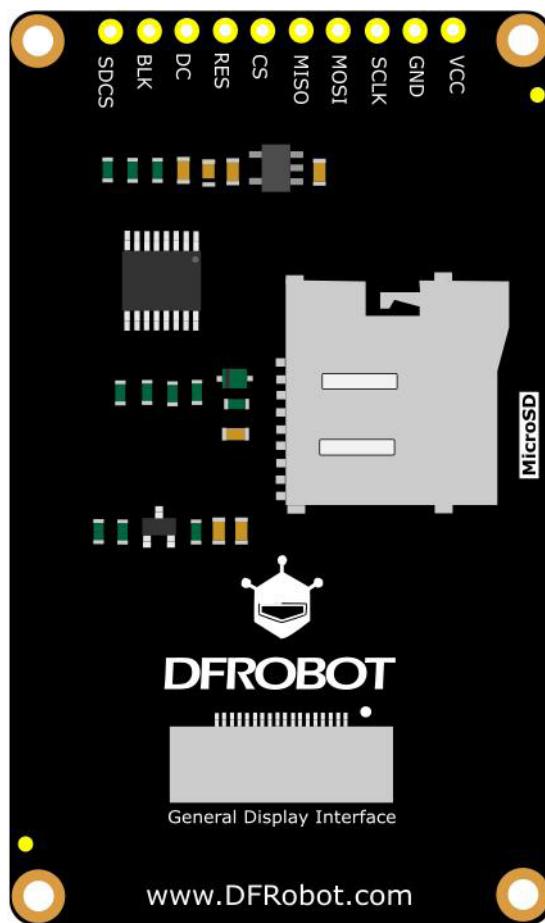
## Applications

- Waveform monitor display
- Electronic gift box
- Electronic weather decorations
- Alarm clock display

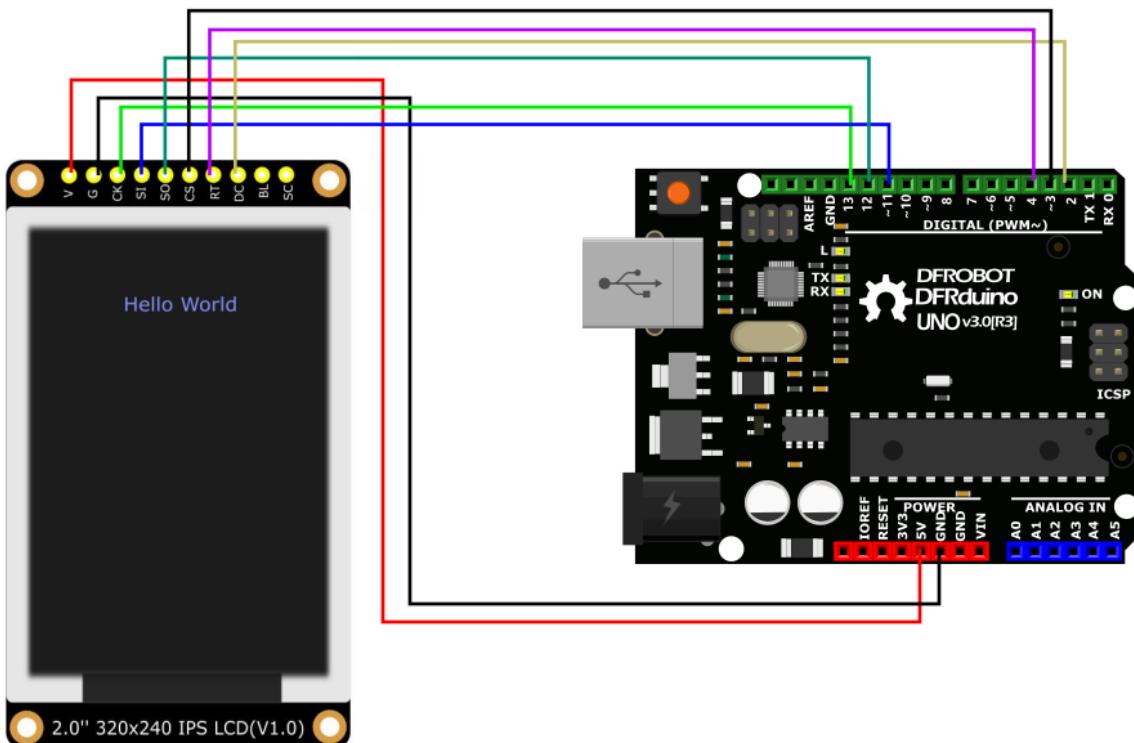
## Schematic

- [DFR0664 Schematic](#)

## Board Overview



## Connection Diagram



## Mouser Part Number

[View Part](#)

To learn more, visit <https://www.mouser.com/new/dfrobot/dfrobot-dfr0664-tft-lcd-display/>