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0.71" - 2.4"

1.69inch LCD Display Module, 240×280 Resolution, SPI Interface, IPS, 262K Colors

SKU	24382
Part No.	1.69inch LCD Module
Brand	Waveshare

$9.49

1 ADD TO CART

Price	Quantity
$9.49	1~9
$9.09	10~49
$8.89	50~99
$8.81	100+

Related Products:

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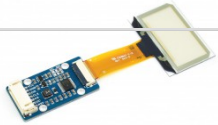

Share:

1.69inch LCD Display Module, 240×280 Resolution, SPI Interface, IPS, 262K Colors

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1.69inch LCD Display Module

Embedded ST7789V2 Driver Chip, Using SPI Interface

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Description **Package Content** **Wiki**

Comes with examples for Raspberry Pi, Arduino, STM32, etc.

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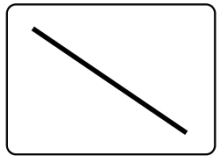
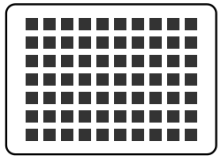
Size



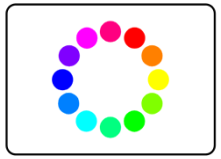
1.69"

Resolution



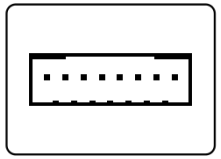
240×280

Display Color



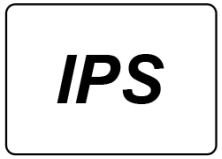
262K

Interface



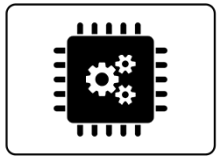
SPI

Display Panel



IPS

Driver



ST7789V2

Features At A Glance

- 240×280 resolution, 262K colors, clear and colorful displaying effect
- SPI interface, minimizes required IO pins, supports controller boards like Raspberry Pi/Arduino/STM32
- Comes with online development resources (examples for Raspberry Pi/Arduino/STM32)

Specifications

Online

OPERATING VOLTAGE	3.3V / 5V	**RESOLUTION**	240 × 280 pixels
COMMUNICATION INTERFACE	4-wire SPI	**DISPLAY SIZE**	27.97 × 32.63mm
DISPLAY PANEL	IPS	**PIXEL SIZE**	0.11655 × 0.11655mm
DRIVER	ST7789V2	**MODULE SIZE**	31.50 × 39.00mm

Onboard Voltage Translator

Compatible With 3.3V / 5V Power Input

Online

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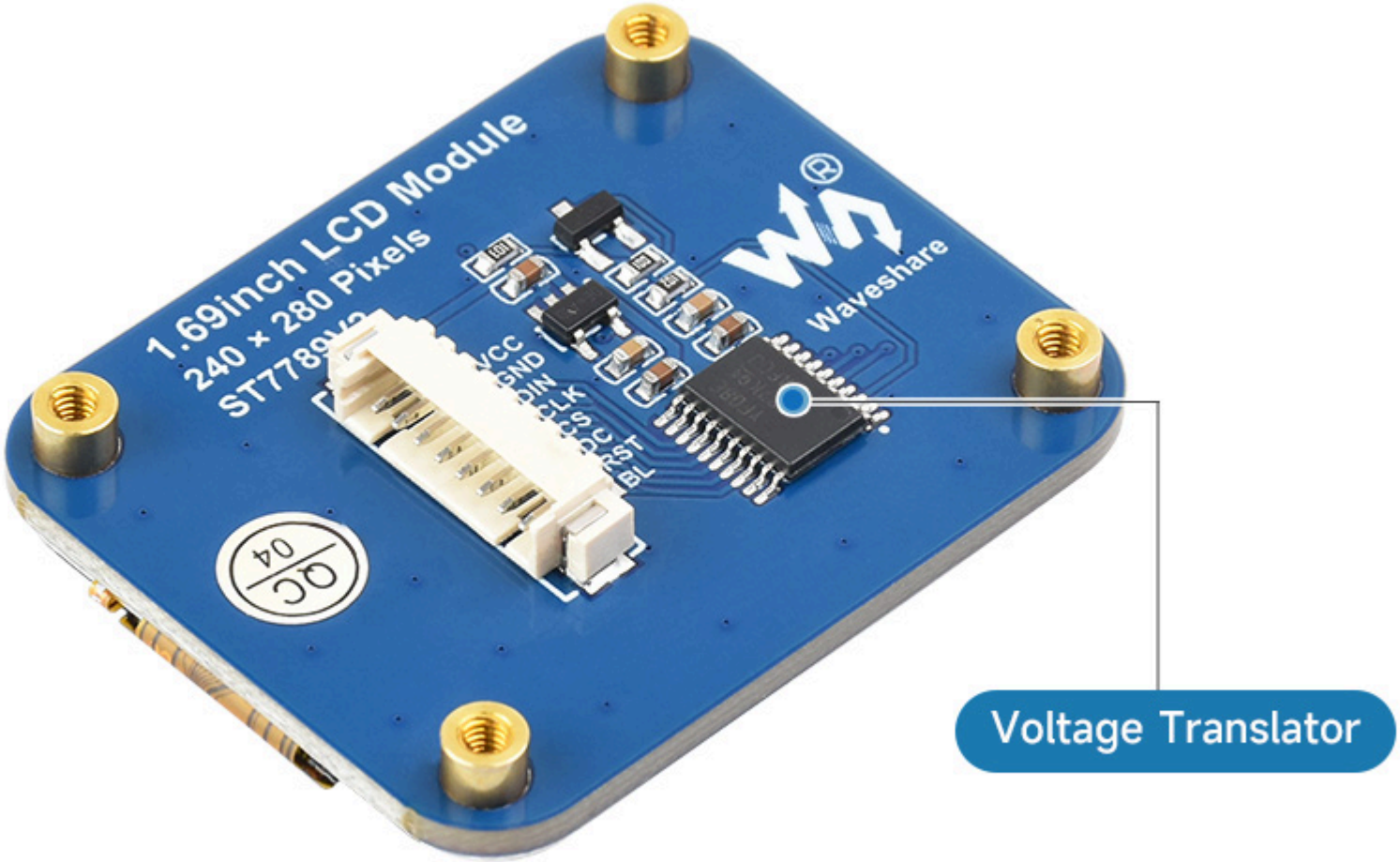

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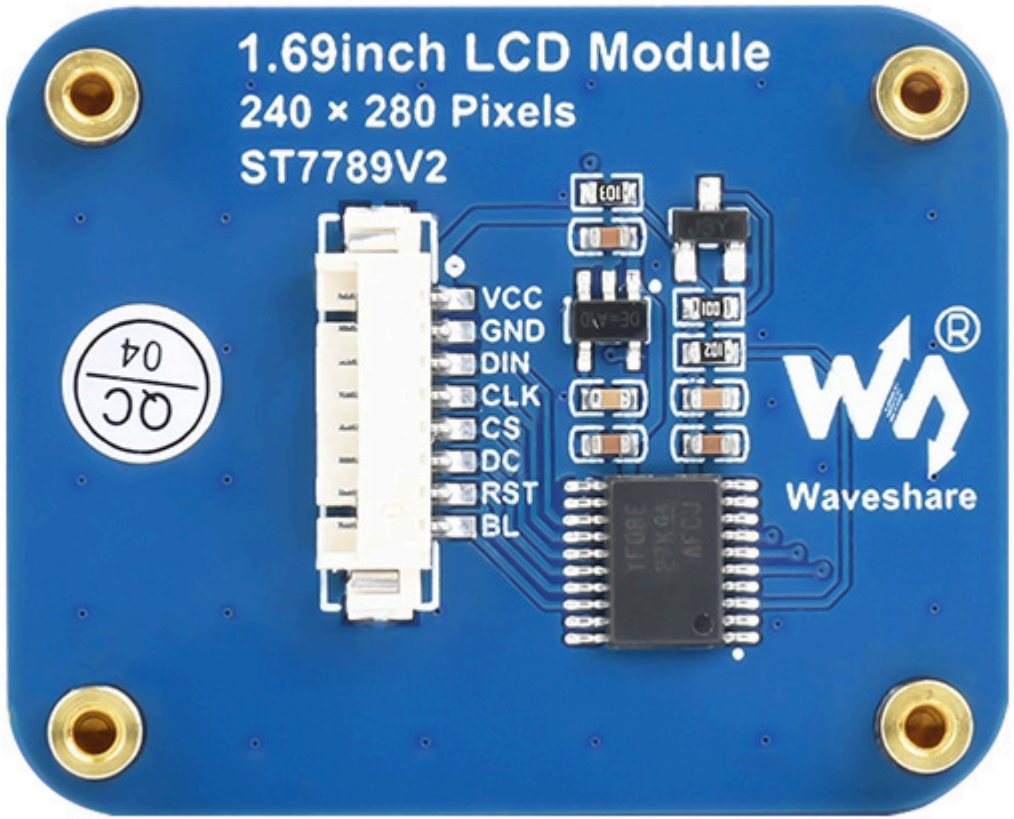
Onboard SPI Control Interface

For Use With Controller Boards Like Raspberry Pi / Arduino / STM32



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VCC	Power (3.3V / 5V input)
GND	Ground
DIN	SPI data input
CLK	SPI clock input
CS	Chip selection, low active
DC	Data/Command selection (high for data, low for command)
RST	Reset, low active
BL	Backlight

Hardware Connection

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Connecting with Raspberry Pi

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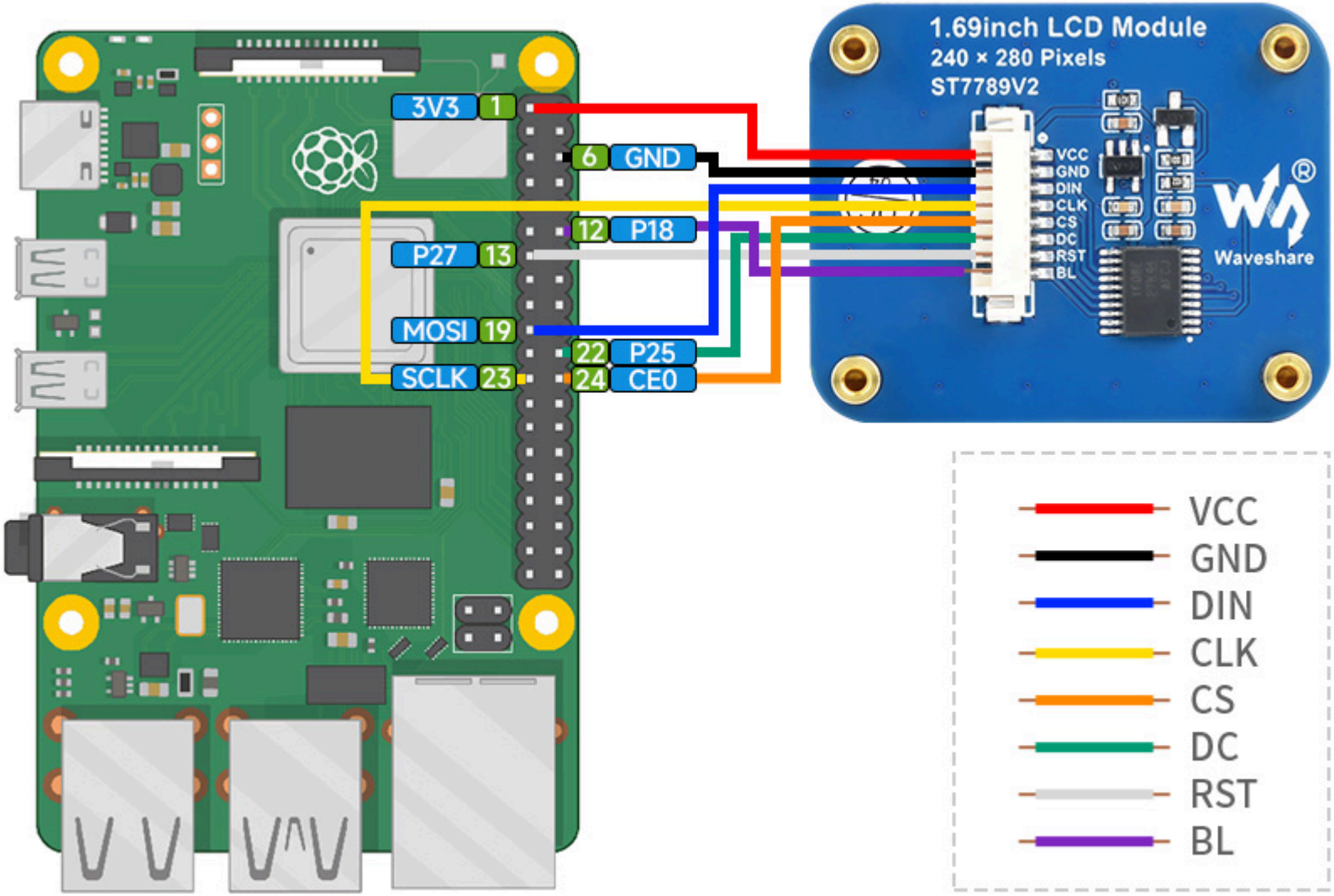

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Connecting with Arduino board

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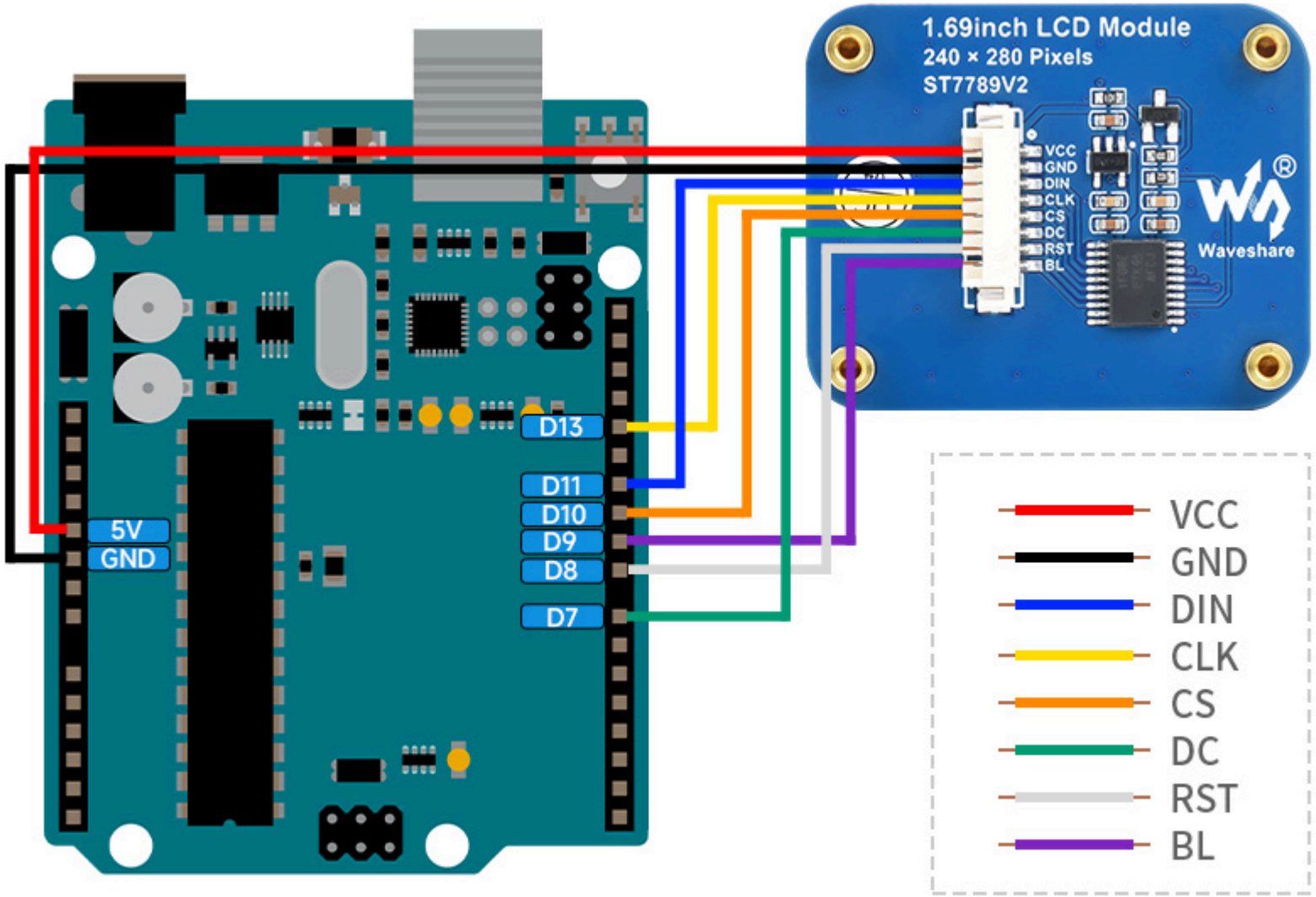
1.69inch LCD Module
240 × 280 Pixels
ST7789V2
VCC
GND
DIN
CLK
CS
DC
RST
BL
Waveshare
5V
GND
D13
D11
D10
D9
D8
D7
VCC
GND
DIN
CLK
CS
DC
RST
BL

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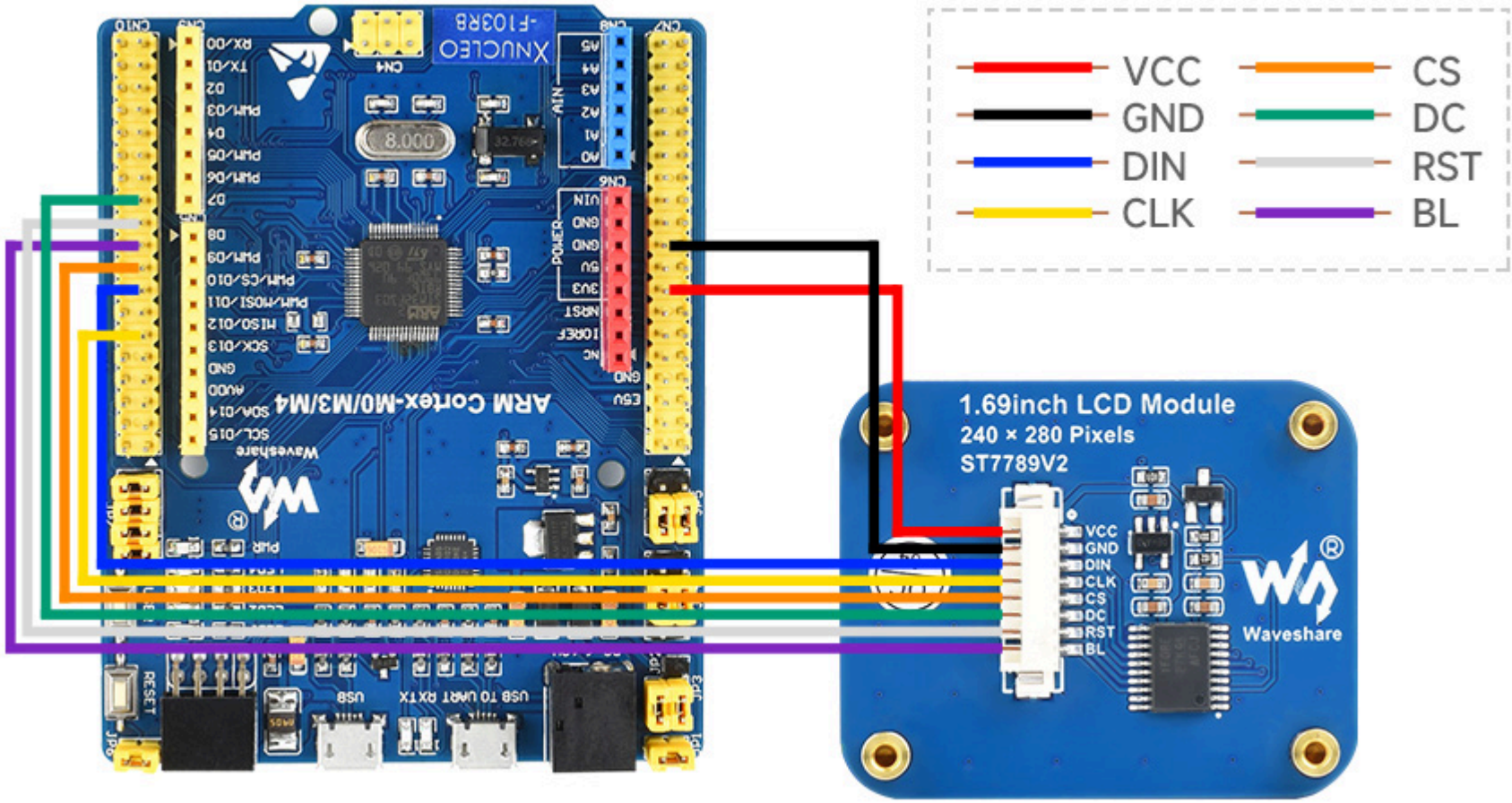
Connecting with STM32



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Usage Example

Online

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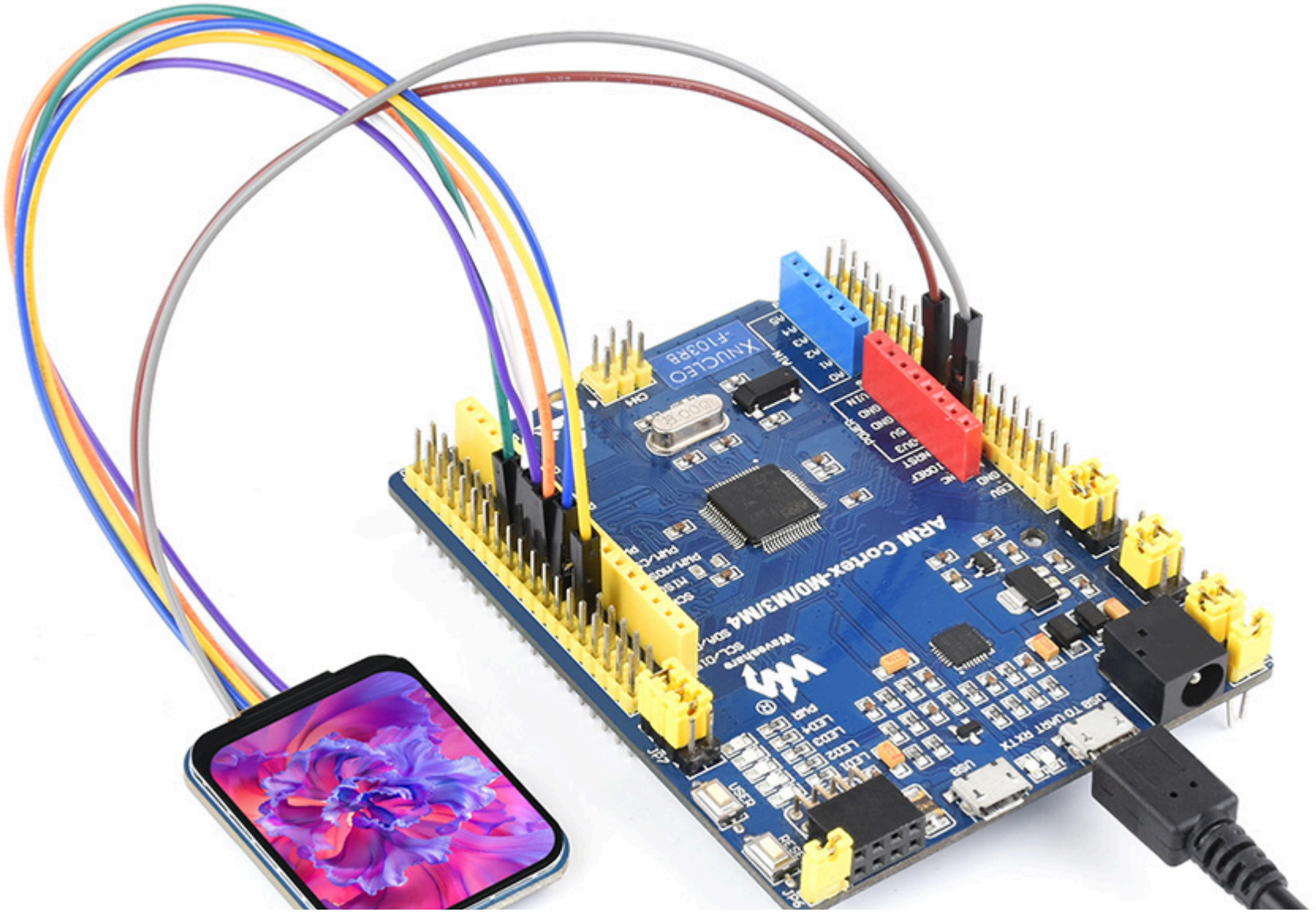

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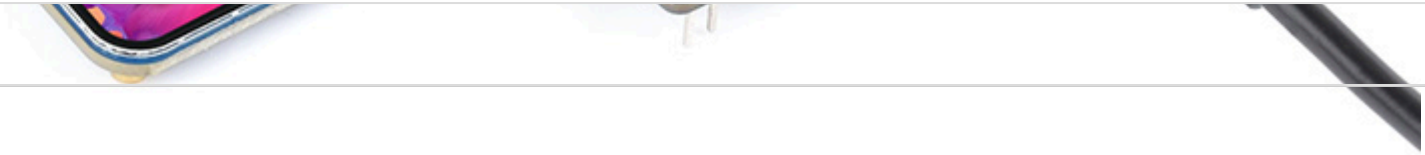

Product Show

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Outline Dimensions

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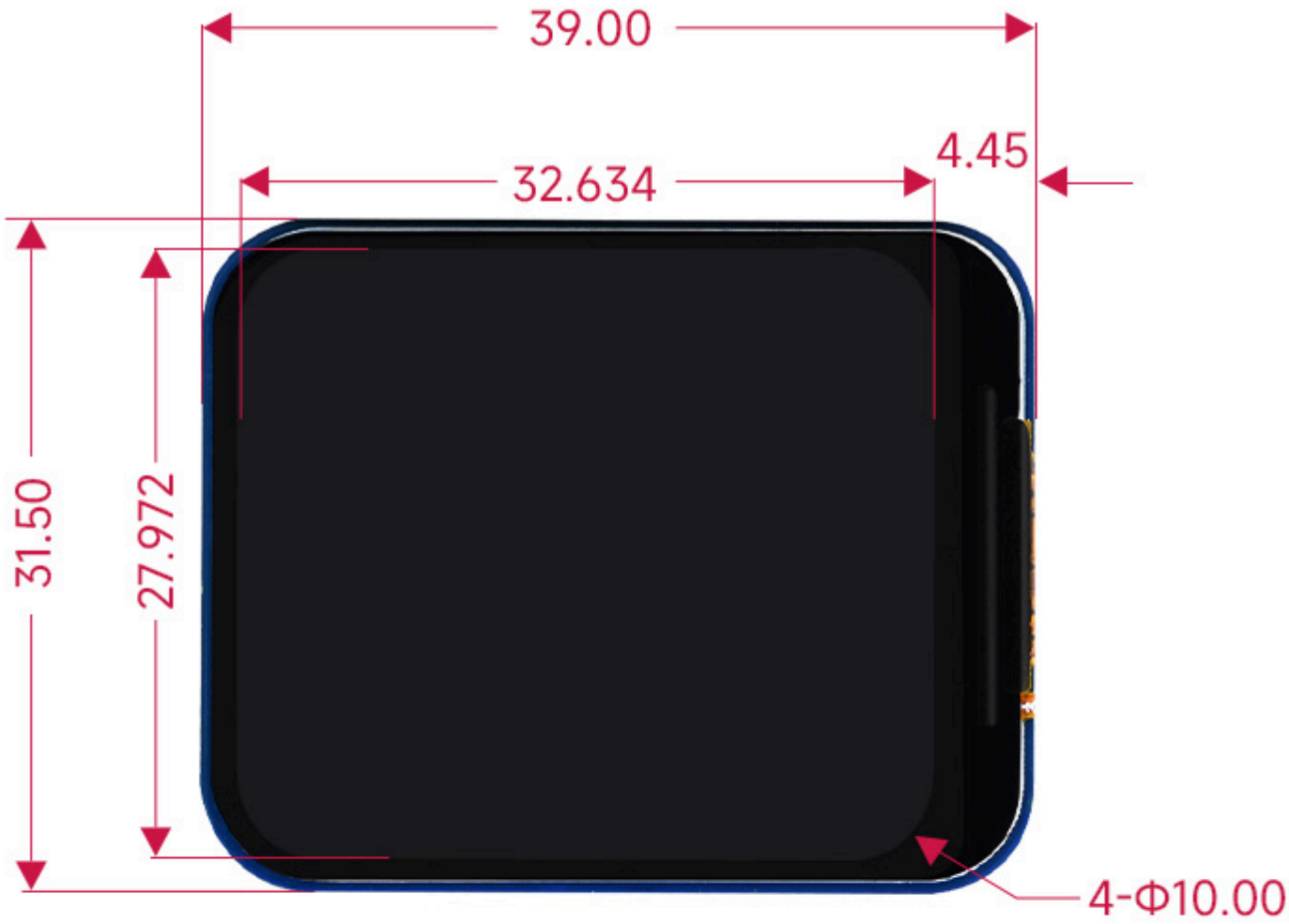

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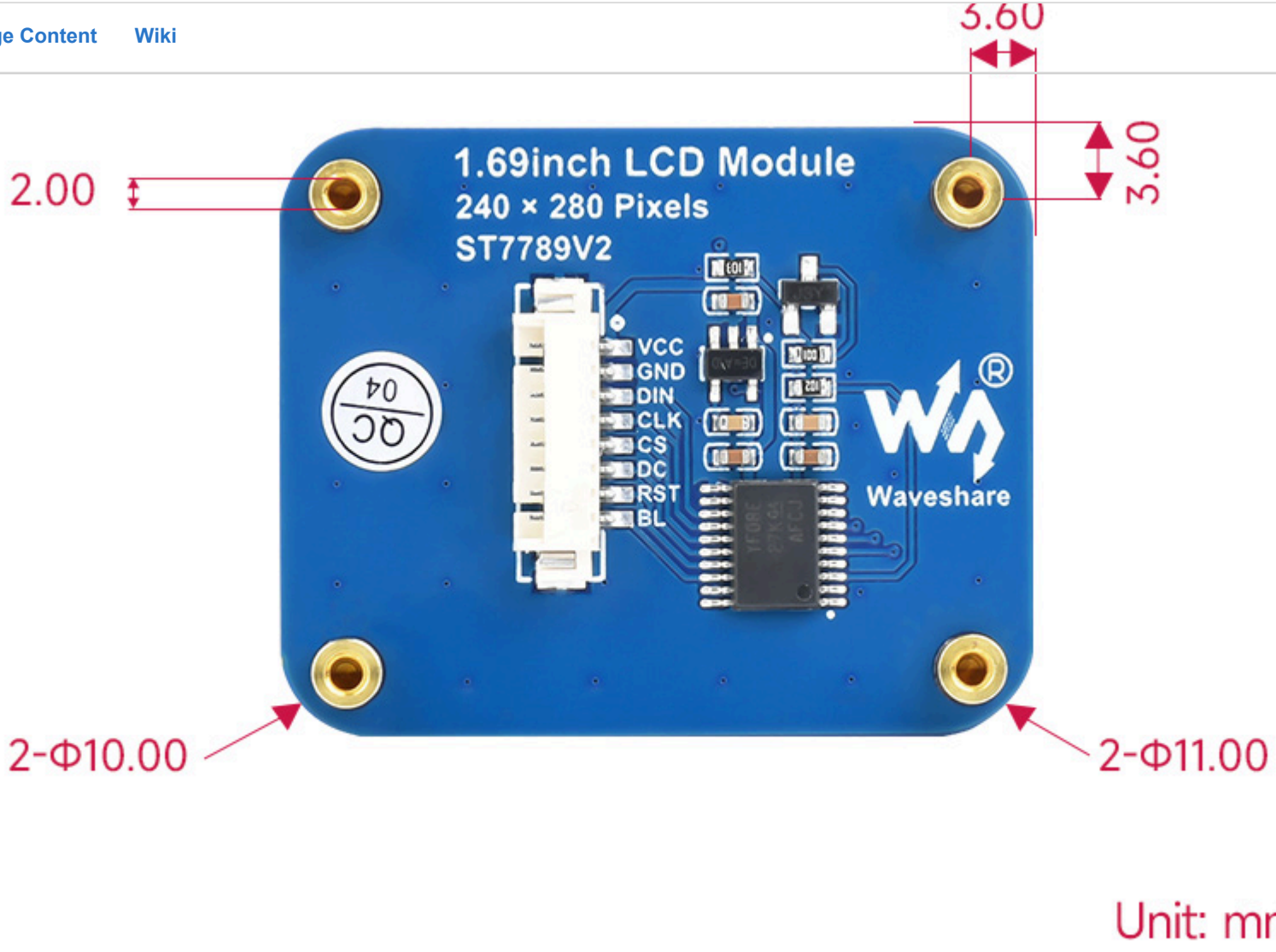

Online

Resources & Services

Wiki: www.waveshare.com/wiki/1.69inch_LCD_Module

Selection Guide

PART NUMBER	TYPE	COLOR	RESOLUTION	DISPLAY SIZE (MM×MM)	INTERFACES	DRIVER	DIMENSION (MM×MM)	PINHEADER
0.49inch OLED Module	OLED	White	64×32	14.40×11.50	I2C	SSD1315	15.5×13.0	MX1.25 connector
0.71inch LCD Module	IPS	65K colorful	160×160	18×18	4-wire SPI	GC9D01	20.1×22.3	SH1.0 connector
0.71inch DualEye LCD Module	IPS	65K colorful	160×160	18×18	SPI	GC9D01	20.00×51.00	SH1.0 connector
0.85inch LCD Module	IPS	65K colorful	128×128	15.21×15.21	4-wire SPI	GC9107	19.0×22.5	GH1.25 connector
0.91inch OLED Module	OLED	White	128×32	22.38×5.58	I2C	SSD1306	36.0×12.5	PH2.0 connector
0.95inch RGB OLED (A)	OLED	65K colorful	96×64	20.14×13.42	4-wire SPI	SSD1331	31.7×37.0	angled/horizontal
0.95inch RGB OLED (B)	OLED	65K colorful	96×64	20.14×13.42	4-wire SPI	SSD1331	31.7×37.0	straight/vertical
0.96inch LCD Module	IPS	65K colorful	160×80	21.70×10.80	4-wire SPI	ST7735S	32.5×26.0	PH2.0 connector
0.96inch OLED (A)	OLED	1/4 yellow section, 3/4 blue section*	128×64	21.70×11.20	3/4-wire SPI, I2C	SSD1306	33.0×33.5	angled/horizontal
0.96inch OLED (B)	OLED	1/4 yellow section, 3/4 blue section*	128×64	21.70×11.20	3/4-wire SPI, I2C	SSD1306	33.0×33.5	straight/vertical

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0.96inch OLED Module (C)	OLED	1/4 yellow section, 3/4 blue section*	128×64	21.74×11.18	4-wire SPI, I2C	SSD1315	26.0×26.0	straight/vertical
0.96inch OLED Module (D)	OLED	White	128×64	21.74×11.18	4-wire SPI, I2C	SSD1315	26.0×26.0	straight/vertical
0.96inch OLED Module (E)	OLED	Blue	128×64	21.74×11.18	4-wire SPI, I2C	SSD1315	26.0×26.0	straight/vertical
0.96inch RGB OLED Module	OLED	65K colorful	64×128	10.862×21.736	3/4-wire SPI	SSD1357	32.5×26.0	GH1.25 connector
1.14inch LCD Module	IPS	65K colorful	240×135	24.91×14.86	4-wire SPI	ST7789	35.0×32.0	PH2.0 connector
1.27inch RGB OLED Module	OLED	262K colorful	128×96	25.708×19.28	3/4-wire SPI	SSD1351	42.2×29.0	GH1.25 connector
1.28inch LCD Module	IPS	65K colorful	240×240	Φ32.4mm	4-wire SPI	GC9A01	40.4×37.5 Φ37.5	PH2.0 connector
1.28inch Touch LCD	IPS (with touch)	65K colorful	240×240	Φ32.4mm	4-wire SPI, I2C	GC9A01, CST816S	39.89×38.5 Φ38.5	GH1.25 connector
1.3inch LCD Module	IPS	65K colorful	240×240	23.40×23.40	4-wire SPI	ST7789	45.0×31.0	PH2.0 connector
1.3inch OLED (A)	OLED	Blue	128×64	29.42×14.70	3/4-wire SPI, I2C	SH1106	40.5×37.5	angled/horizontal
1.3inch OLED (B)	OLED	Blue	128×64	29.42×14.70	3/4-wire SPI, I2C	SH1106	40.5×37.5	straight/vertical
1.3inch OLED Module (C)	OLED	White	64×128	14.70×29.42	4-wire SPI, I2C	SH1107	30.0×39.5	PH2.0 connector
1.32inch OLED Module	OLED	White (16 gray scale)	128×96	26.86×20.14	4-wire SPI, I2C	SSD1327	34.3×30.5	GH1.25 connector
1.47inch Touch LCD	IPS	262K colorful	172×320	17.75×32.93	4-wire SPI	JD9853	22.05×41.69	SH1.0 connector, FPC0.5 connector
1.47inch LCD Module	IPS	262K colorful	172×320	17.39×32.35	4-wire SPI	ST7789V3	22.0×38.5	PH2.0 connector
1.5inch LCD Module	IPS	262K colorful	240×280	24.77×28.90	4-wire SPI	NV3030B	28.5×35.0	GH1.25 connector
1.5inch OLED Module	OLED	White (16 gray scale)	128×128	26.86×26.86	4-wire SPI, I2C	SSD1327	44.5×37.0	PH2.0 connector
1.5inch OLED Module (B)	OLED	White	128×128	26.855×26.855	4-wire SPI, I2C	SH1107	38.5×44.5	MX1.25 connector

Online

1.5inch RGB OLED Module	OLED	65K colorful	128×128	26.86×26.86	3/4-wire SPI	SSD1351	44.5×37.0	PH2.0 connector
1.54inch LCD Module	IPS	65K colorful	240×240	27.72×27.72	4-wire SPI	ST7789	50.0×35.0	PH2.0 connector
1.54inch OLED Module	OLED	White	128×64	35.05×17.52	4-wire SPI, I2C	SSD1309	43.0×37.5	MX1.25 connector
1.54inch OLED Module (B)	OLED	Blue	128×64	35.05×17.52	4-wire SPI, I2C	SSD1309	43.0×37.5	MX1.25 connector
1.69inch LCD Module	IPS	262K colorful	240×280	27.972×32.634	4-wire SPI	ST7789V2	31.5×39.0	MX1.25 connector
1.69inch Touch LCD Module	IPS	262K colorful	240×280	27.972×32.634	4-wire SPI, I2C	ST7789V2	33.13×41.13	GH1.25 connector
1.8inch LCD Module	TFT	65K colorful	128×160	28.30×34.50	4-wire SPI	ST7735S	56.5×34.0	PH2.0 connector
1.83inch LCD Module	IPS	65K colorful	240×280	30.20×35.23	4-wire SPI	NV3030B	33.0×40.0	MX1.25 connector
1.9inch LCD Module	IPS	262K colorful	170×320	22.70×42.72	4-wire SPI	ST7789V2	51.2×27.3	GH1.25 connector
1.9inch Touch LCD	IPS	262K colorful	170×320	23.10×43.12	4-wire SPI, I2C	ST7789V2	52.36×28.80	SH1.0 connector, FPC0.5 connector
2inch Capacitive Touch LCD	IPS	262K colorful	240×320	30.60×40.80	4-wire SPI, I2C	ST7789T3	37.1×58.8	GH1.25 connector, 18Pin FPC slot
2inch LCD Module	IPS	262K colorful	240×320	30.60×40.80	4-wire SPI	ST7789VW	58.0×35.0	PH2.0 connector
2.4inch LCD Module	TFT	65K colorful	240×320	36.72×48.96	4-wire SPI	ILI9341	70.5×43.3	PH2.0 connector
2.42inch OLED Module	OLED	White	128×64	55.01×27.49	4-wire SPI, I2C	SSD1309	61.50×39.50	GH1.25 connector
2.42inch OLED Module (C)	OLED	Yellow	128×64	55.01×27.49	4-wire SPI, I2C	SSD1309	61.50×39.50	GH1.25 connector
2.8inch Capacitive Touch LCD	TFT	262K colorful	240×320	43.20×57.60	4-wire SPI, I2C	ST7789T3	50.54×73.06	GH1.25 connector, 18Pin FPC slot
3.5inch Capacitive Touch LCD	IPS	262K colorful	320×480	48.96×73.44	4-wire SPI, I2C	ST7796S	61.00×92.44	GH1.25 connector, 18Pin FPC slot

*Note: the 0.96inch OLED consists of 1/4 yellow upper section and 3/4 blue lower section, not a regular dual-color display.

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