

EC Buying



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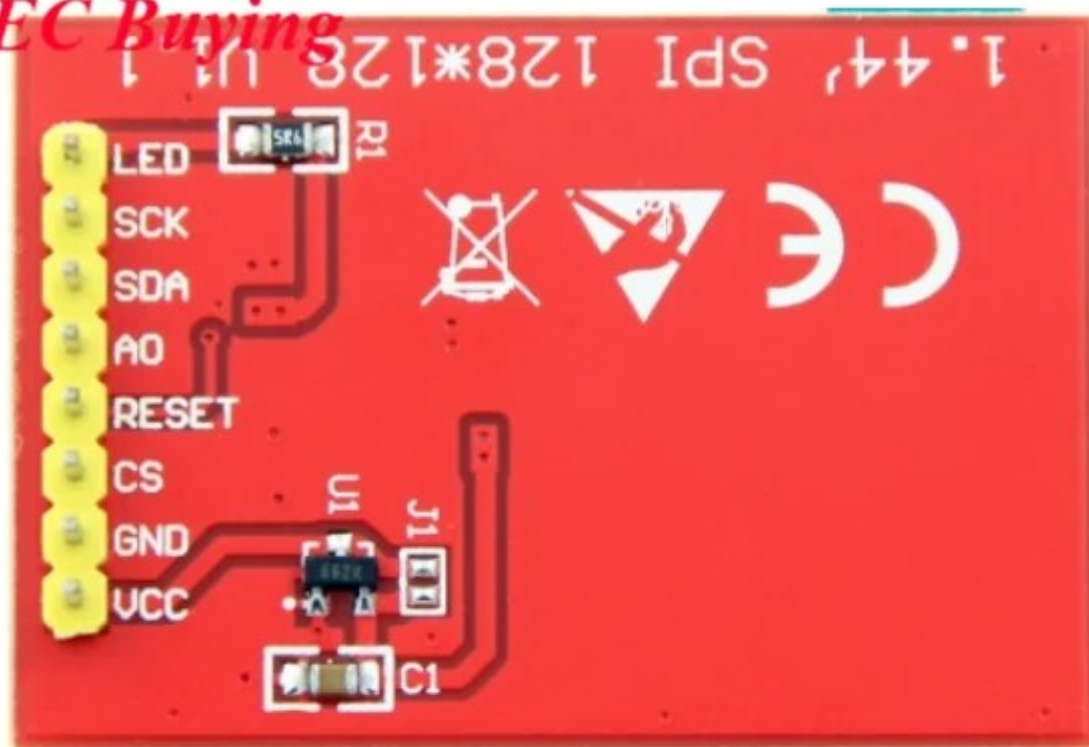
Product Parameters

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Name	Parameter
Display Color	RGB 65K color
SKU	MSP1443
Screen Size	1.44(inch)
Type	TFT
Driver IC	ST7735S
Resolution	128*128 (Pixel)
Module Interface	4-wire SPI interface
Active Area (AA area)	26.2x27.2(mm)
Module PCB Size	29.7x43.36(mm)
Operating Temperature	-20°C~60°C
Storage Temperature	-30°C~70°C
VCC power voltage	3.3V~5V
Logic IO port voltage	3.3V(TTL)
Power Consumption	TBD

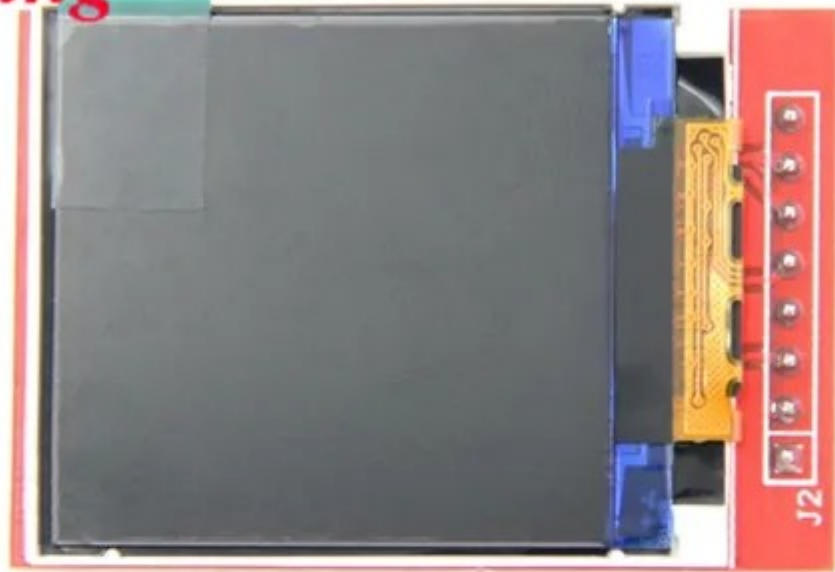
Interface Definition

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Number	Pin Label	Description
1	VCC	5V/3.3V power input
2	GND	Ground
3	CS	LCD chip select signal, low level enable
4	RESET	LCD reset signal, low level reset
5	A0	LCD register / data selection signal, high level: register, low level: data
6	SDA	SPI bus write data signal
7	SCK	SPI bus clock signal
8	LED	Backlight control, high level lighting, if not controlled, connect 3.3V always bright

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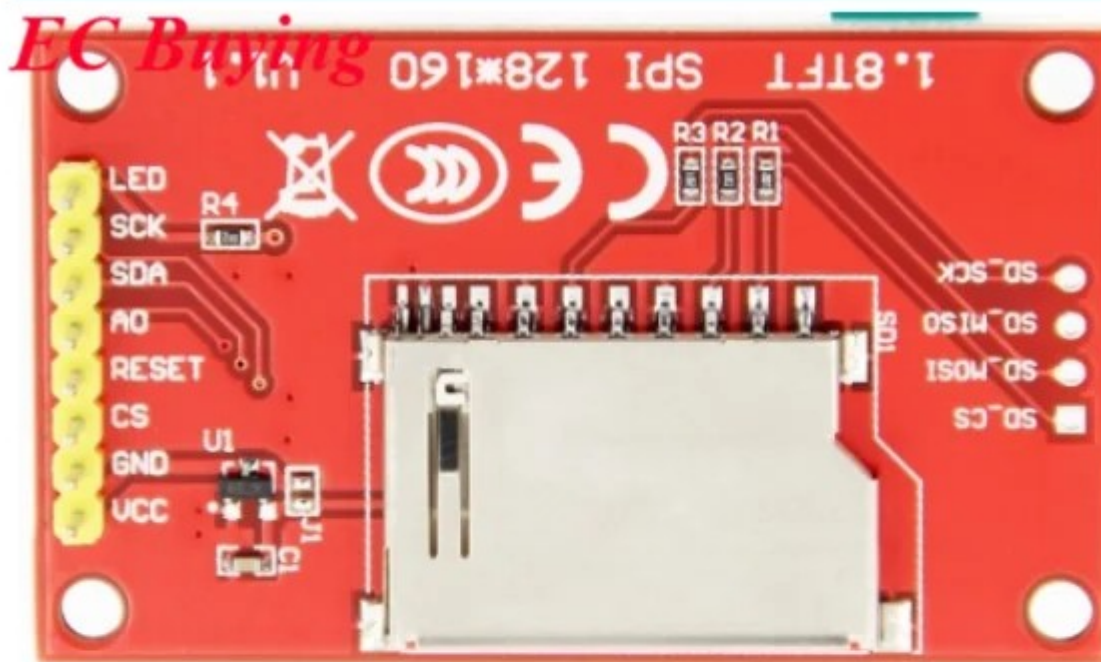
1,8 Zoll

Product Parameters

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Name	Parameter
Display Color	RGB 65K color
SKU	MSP1803
Screen Size	1.8(inch)
Type	TFT
Driver IC	ST7735S
Resolution	128*160 (Pixel)
Module Interface	4-wire SPI interface
Active Area (AA area)	28.03x35.04(mm)
Module PCB Size	34.5x58.0(mm)
Operating Temperature	-20℃~60℃
Storage Temperature	-30℃~70℃
VCC power voltage	3.3V~5V
Logic IO port voltage	3.3V(TTL)
Power Consumption	TBD

Interface Definition



Number	Pin Label	Description
1	VCC	5V/3.3V power input
2	GND	Ground
3	CS	LCD chip select signal, low level enable
4	RESET	LCD reset signal, low level reset
5	A0	LCD register / data selection signal, high level: register, low level: data
6	SDA	SPI bus write data signal
7	SCK	SPI bus clock signal
8	LED	Backlight control, high level lighting, if not controlled, connect 3.3V always bright

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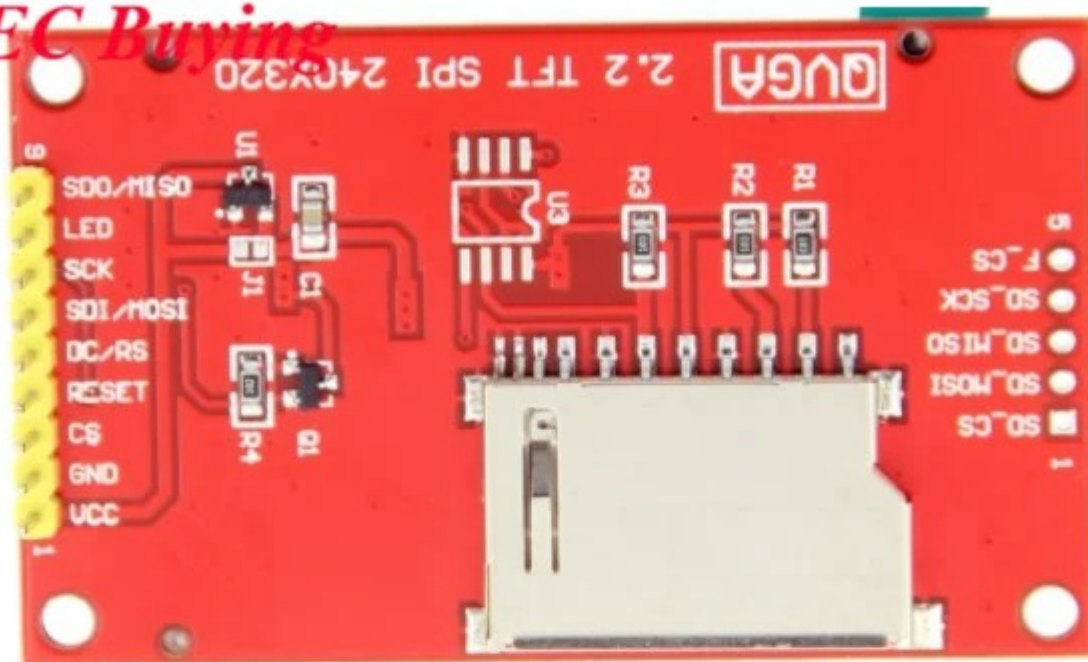
Product Parameters

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Name	Parameter
Display Color	RGB 65K color
SKU	MSP2202
Screen Size	2.2(inch)
Type	TFT
Driver IC	ILI9341
Resolution	320*240 (Pixel)
Module Interface	4-wire SPI interface
Active Area (AA area)	33.84x45.12(mm)
Module PCB Size	40.10x67.20(mm)
Operating Temperature	-20°C~60°C
Storage Temperature	-30°C~70°C
VCC power voltage	3.3V~5V
Logic IO port voltage	3.3V(TTL)
Power Consumption	TBD

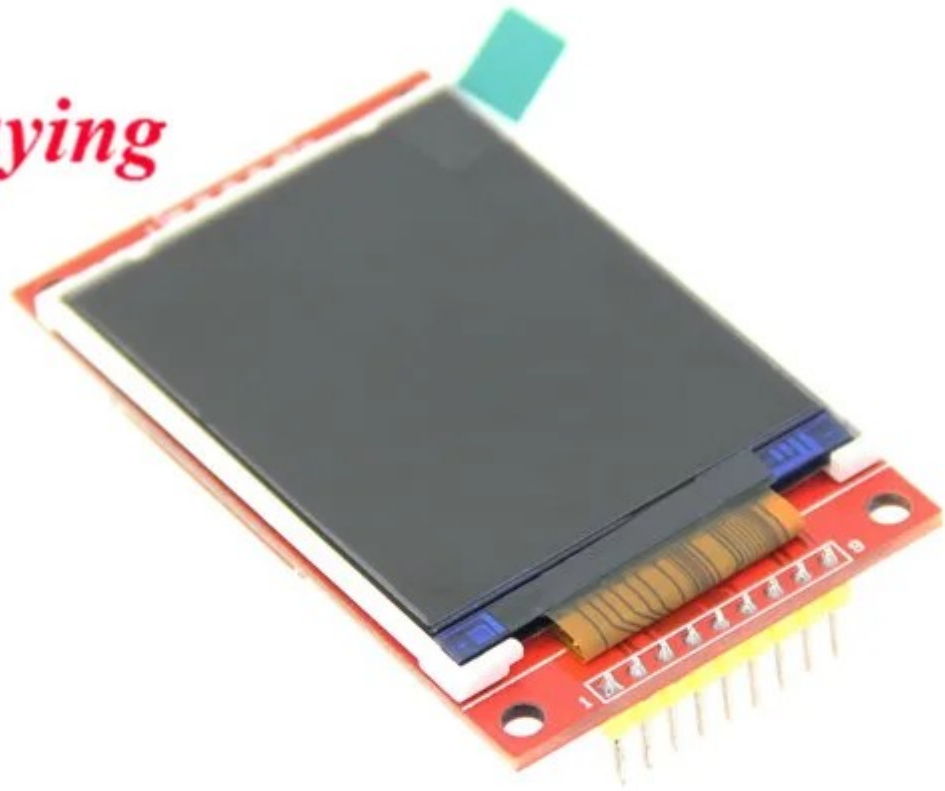
Interface Definition

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Number	Pin Label	Description
1	VCC	5V/3.3V power input
2	GND	Ground
3	CS	LCD chip select signal, low level enable
4	RESET	LCD reset signal, low level reset
5	DC/RS	LCD register / data selection signal, high level: register, low level: data
6	SDI/MOSI	SPI bus write data signal
7	SCK	SPI bus clock signal
8	LED	Backlight control, high level lighting, if not controlled, connect 3.3V always bright
9	SDO/MISO	SPI bus read data signal, if you do not need to the read function, you can not connect it

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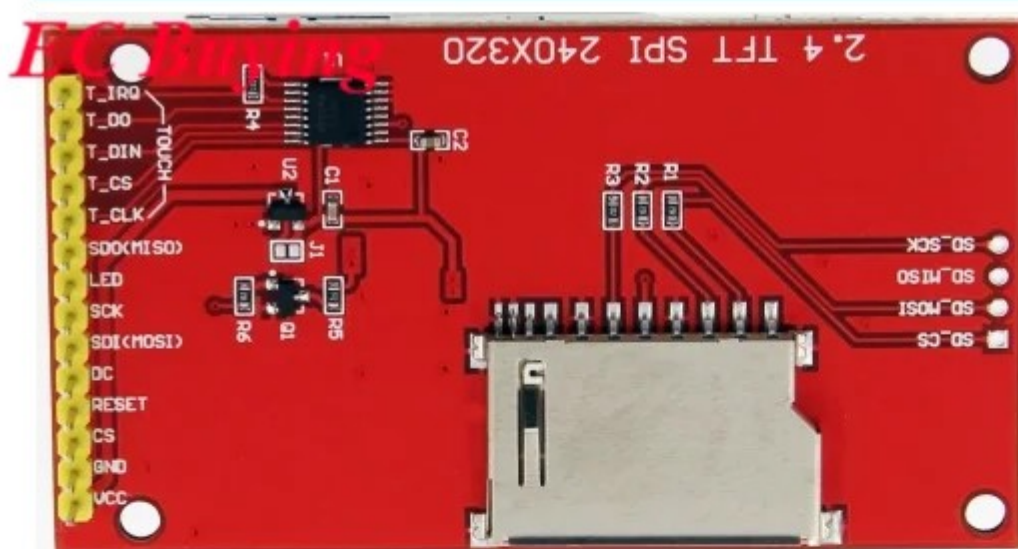
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Product Parameters

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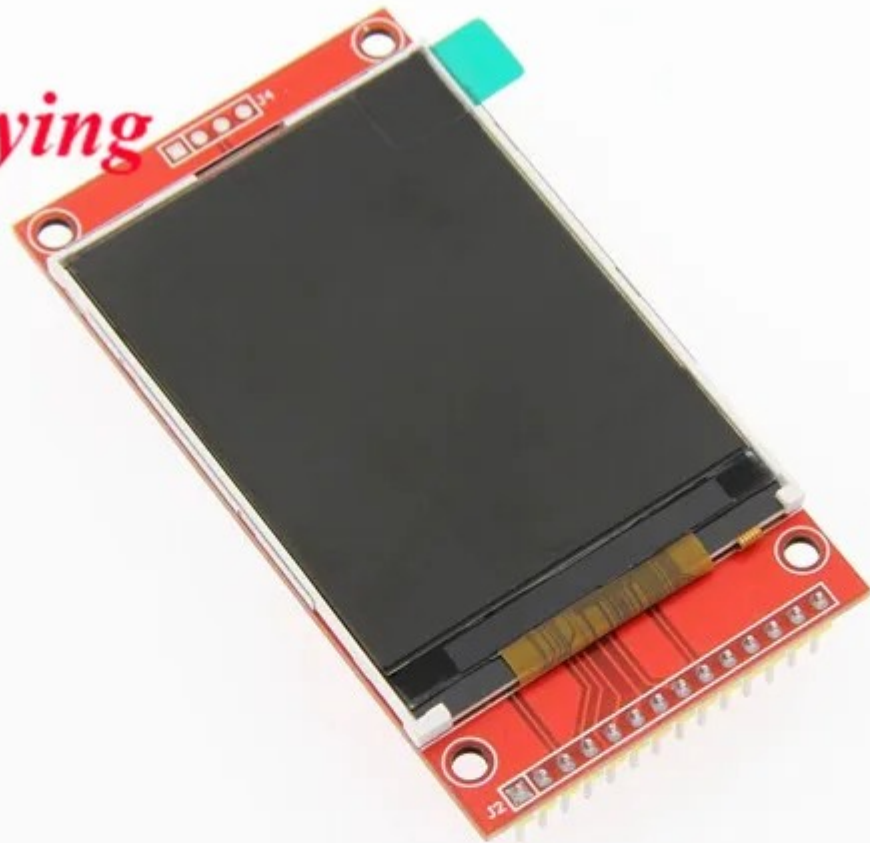
Name	Parameter
Display Color	RGB 65K color
SKU	have touch screen: MSP2402
	have no touch screen: MSP2401
Screen Size	2.4(inch)
Type	TFT
Driver IC	ILI9341
Resolution	320*240 (Pixel)
Module Interface	4-wire SPI interface
Active Area (AA area)	36.72x48.96(mm)
Module PCB Size	77.18x42.72(mm)
Operating Temperature	-20°C~60°C
Storage Temperature	-30°C~70°C
VCC power voltage	3.3V~5V
Logic IO port voltage	3.3V(TTL)
Power Consumption	TBD

Interface Definition



Number	Pin Label	Description
1	VCC	5V/3.3V power input
2	GND	Ground
3	CS	LCD chip select signal, low level enable
4	RESET	LCD reset signal, low level reset
5	DC/RS	LCD register / data selection signal, high level: register, low level: data
6	SDI(MOSI)	SPI bus write data signal
7	SCK	SPI bus clock signal
8	LED	Backlight control, high level lighting, if not controlled, connect 3.3V always high
9	SDO(MISO)	SPI bus read data signal, if you do not need to the read function, you can not connect it
(The following is the touch screen signal line wiring, if you do not need to touch function or the module itself does not have touch function, you can not connect them)		
10	T_CLK	Touch SPI bus clock signal
11	T_CS	Touch screen chip select signal, low level enable
12	T_DIN	Touch SPI bus input
13	T_DO	Touch SPI bus output
14	T_IRQ	Touch screen interrupt signal, low level when touch is detected

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Product Parameters

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Name	Parameter
Display Color	RGB 65K color
SKU	have touch screen: MSP2807
	have no touch screen: MSP2806
Screen Size	2.8(inch)
Type	TFT
Driver IC	ILI9341
Resolution	320*240 (Pixel)
Module Interface	4-wire SPI interface
Active Area (AA area)	43.2x57.6(mm)
Module PCB Size	50.0x65.0 (mm)
Operating Temperature	-20°C~60°C
Storage Temperature	-30°C~70°C
VCC power voltage	3.3V~5V
Logic IO port voltage	3.3V(TTL)
Power Consumption	TBD

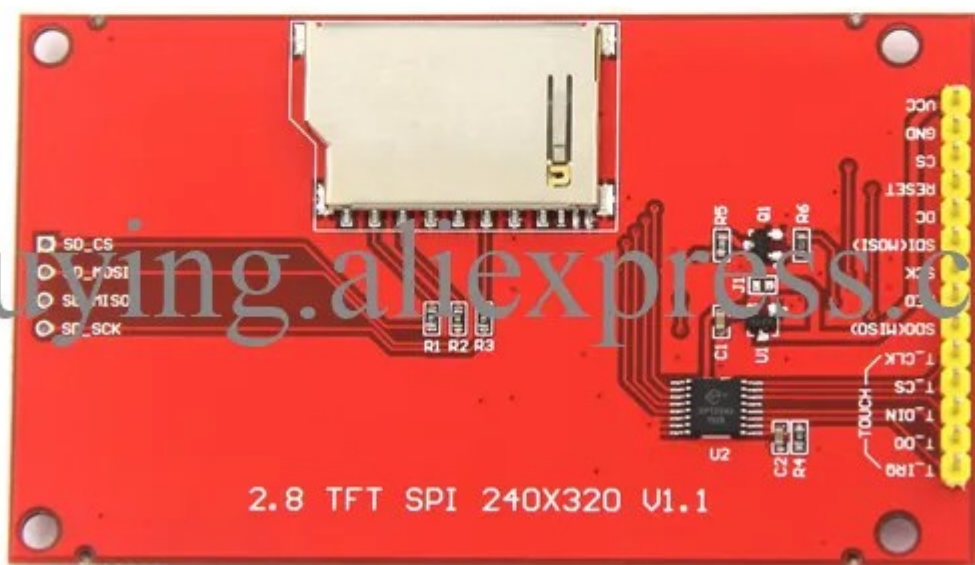


Number	Pin Label	Description
1	VCC	5V/3.3V power input
2	GND	Ground
3	CS	LCD chip select signal, low level enable
4	RESET	LCD reset signal, low level reset
5	DC/RS	LCD register / data selection signal, high level: register, low level: data
6	SDI(MOSI)	SPI bus write data signal
7	SCK	SPI bus clock signal
8	LED	Backlight control, high level lighting, if not controlled, connect to 3.3V always bright
9	SDO(MISO)	SPI bus read data signal, if you do not need to the read function, you can not connect it
(The following is the touch screen signal line wiring, if you do not need to touch function or the module itself does not have touch function, you can not connect them)		
10	T_CLK	Touch SPI bus clock signal
11	T_CS	Touch screen chip select signal, low level enable
12	T_DIN	Touch SPI bus input
13	T_DO	Touch SPI bus output
14	T_IRQ	Touch screen interrupt signal, low level when touch is detected

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TOP



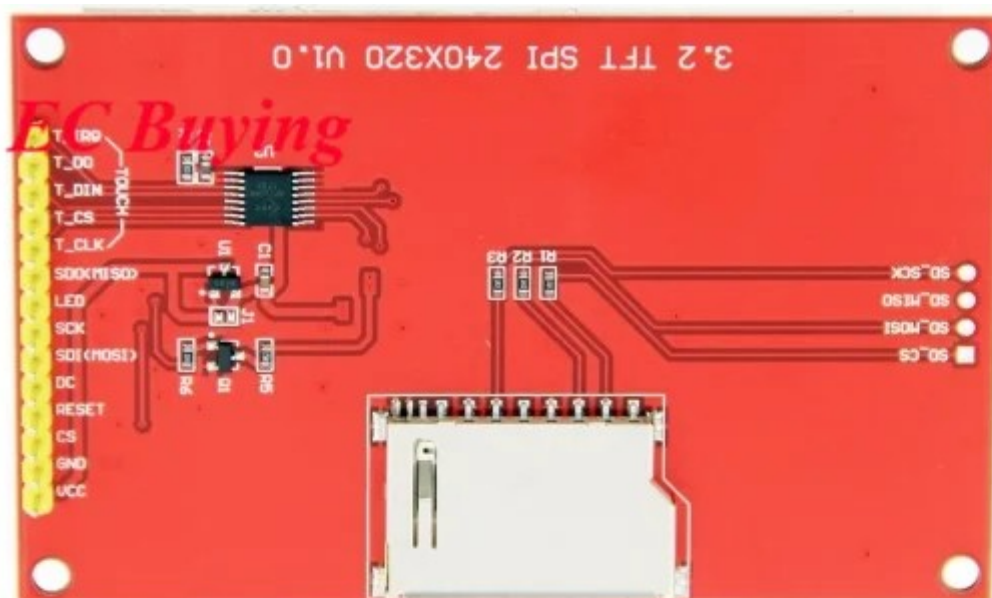
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3,2 Zoll

Product Parameters

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Name	Parameter
Display Color	RGB 65K color
SKU	have touch screen: MSP3218
	have no touch screen: MSP3217
Screen Size	3.2(inch)
Type	TFT
Driver IC	ILI9341
Resolution	320*240 (Pixel)
Module Interface	4-wire SPI interface
Active Area (AA area)	48.6x64.8(mm)
Module PCB Size	55.04x69.3(mm)
Operating Temperature	-20°C~60°C
Storage Temperature	-30°C~70°C
VCC power voltage	3.3V~5V
Logic IO port voltage	3.3V(TTL)
Power Consumption	TBD



Number	Pin Label	Description
1	VCC	5V/3.3V power input
2	GND	Ground
3	CS	LCD chip select signal, low level enable
4	RESET	LCD reset signal, low level reset
5	DC/RS	LCD register / data selection signal, high level: register, low level: data
6	SDI(MOSI)	SPI bus write data signal
7	SCK	SPI bus clock signal
8	LED	Backlight control, high level lighting, if not controlled, connect 3.3V always bright
9	SDO(MISO)	SPI bus read data signal, if you do not need to the read function, you can not connect it
(The following is the touch screen signal line wiring, if you do not need to touch function or the module itself does not have touch function, you can not connect them)		
10	T_CLK	Touch SPI bus clock signal
11	T_CS	Touch screen chip select signal, low level enable
12	T_DIN	Touch SPI bus input
13	T_DO	Touch SPI bus output
14	T_IRQ	Touch screen interrupt signal, low level when touch is detected

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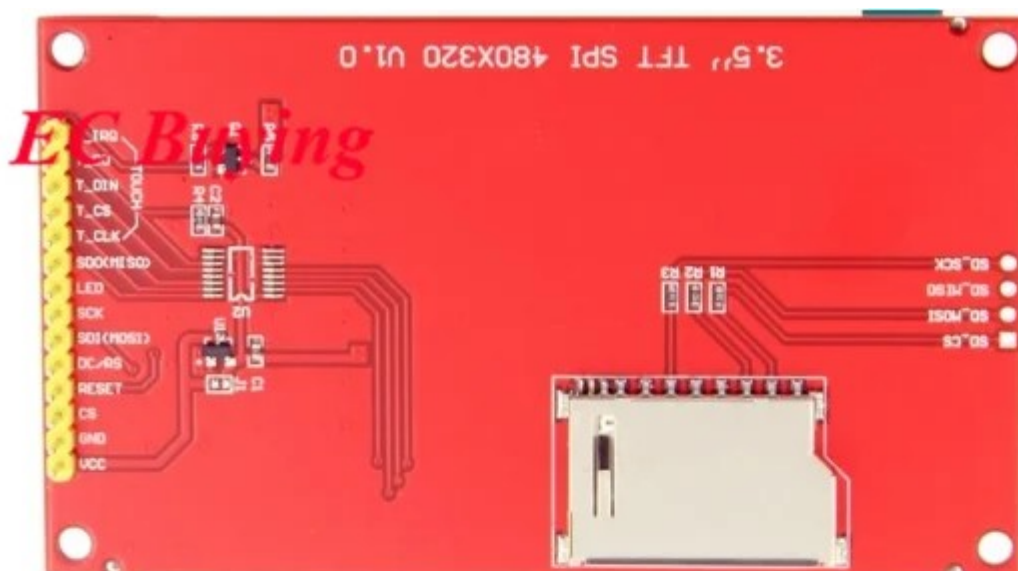


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Product Parameters

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Name	Parameter
Display Color	RGB 65K color
SKU	have touch screen: MSP3520
	have no touch screen: MSP3521
Screen Size	3.5(inch)
Type	TFT
Driver IC	ILI9488
Resolution	480*320 (Pixel)
Module Interface	4-wire SPI interface
Active Area (AA area)	48.96x73.44(mm)
Module PCB Size	56.34x78(mm)
Operating Temperature	-20°C~60°C
Storage Temperature	-30°C~70°C
VCC power voltage	3.3V~5V
Logic IO port voltage	3.3V(TTL)
Power Consumption	TBD



Number	Pin Label	Description
1	VCC	5V/3.3V power input
2	GND	Ground
3	CS	LCD chip select signal, low level enable
4	RESET	LCD reset signal, low level reset
5	DC/RS	LCD register / data selection signal, high level: register, low level: data
6	SDI(MOSI)	SPI bus write data signal
7	SCK	SPI bus clock signal
8	LED	Backlight control, high level lighting, if not controlled, connect 3.3V always bright
9	SDO(MISO)	SPI bus read data signal, if you do not need to the read function, you can not connect it
(The following is the touch screen signal line wiring, if you do not need to touch function or the module itself does not have touch function, you can not connect them)		
10	T_CLK	Touch SPI bus clock signal
11	T_CS	Touch screen chip select signal, low level enable
12	T_DIN	Touch SPI bus input
13	T_DO	Touch SPI bus output
14	T_IRQ	Touch screen interrupt signal, low level when touch is detected

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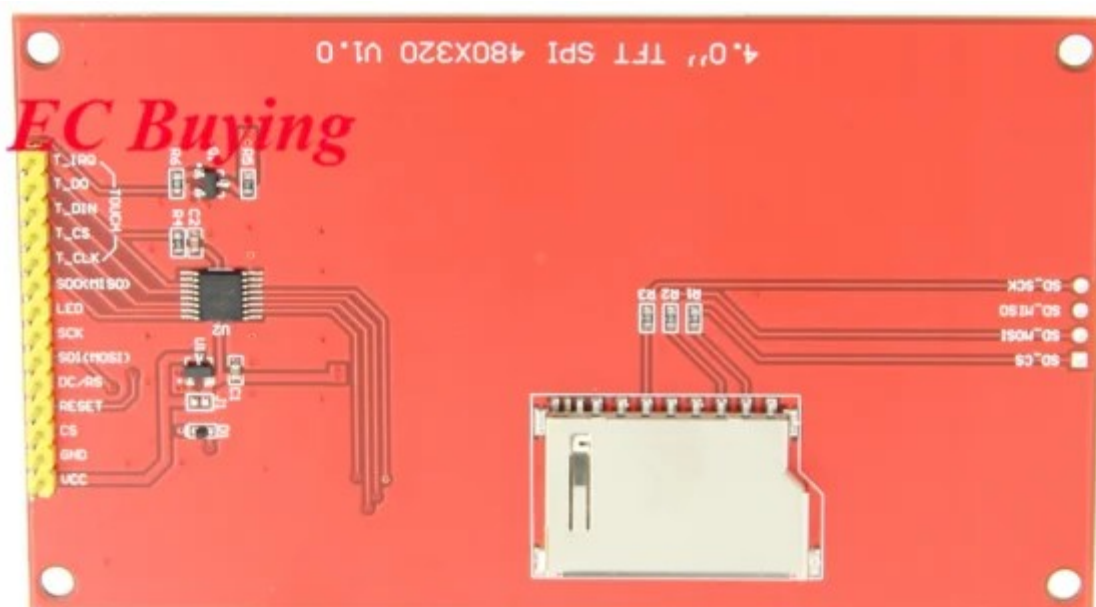


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Product Parameters

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Name	Parameter
Display Color	RGB 65K color
SKU	have touch screen: MSP4021
	have no touch screen: MSP4020
Screen Size	4.0(inch)
Screen Type	TFT
Driver IC	ST7796S
Resolution	480*320 (Pixel)
Module Interface	4-wire SPI interface
Active Area (AA area)	55.68x83.52 (mm)
Module PCB Size	61.74x108.04(mm)
Touch Screen Type	resistive touch screen
Touch IC	XPT2046
VCC power voltage	3.3V~5V
Power Consumption	TBD

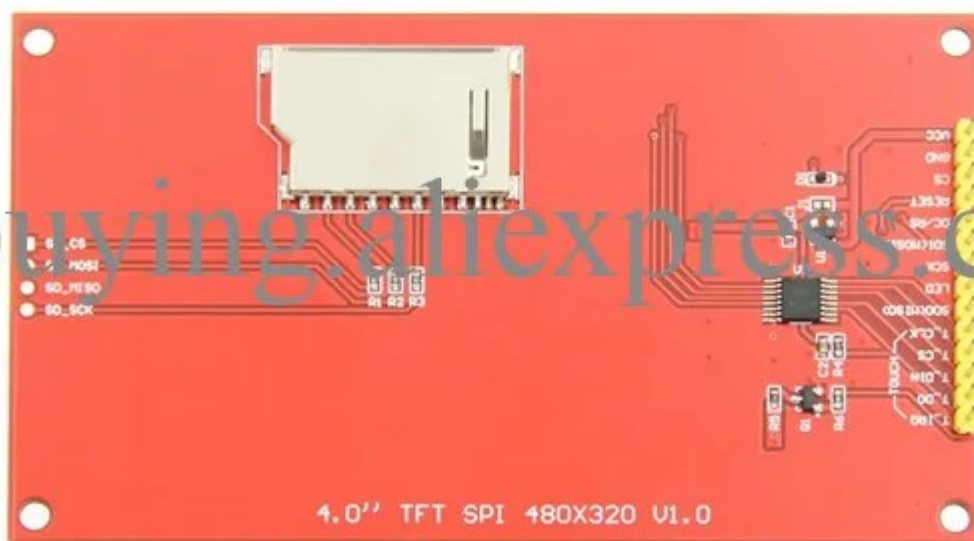


Number	Pin Label	Description
1	VCC	5V/3.3V power input
2	GND	Ground
3	CS	LCD chip select signal, low level enable
4	RESET	LCD reset signal, low level reset
5	DC/RS	LCD command / data selection signal, high level: command, low level: data
6	SDI(MOSI)	LCD SPI bus write data signal
7	SCK	LCD SPI bus clock signal
8	LED	Backlight control, high level lighting, if not controlled, connect 3.3V always bright
9	SDO(MISO)	SPI bus read data signal, if you do not need to the read function, you can not connect it
(The following is the touch screen signal line wiring, if you do not need to touch function or the module itself does not have touch function, you can not connect them)		
10	T_CLK	Touch SPI bus clock signal
11	T_CS	Touch screen chip select signal, low level enable
12	T_DIN	Touch SPI bus input
13	T_DO	Touch SPI bus output
14	T_IRQ	Touch screen interrupt signal, low level when touch is detected

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TOP



Bottom