

TFT DISPLAY SPECIFICATION



WINSTAR Display Co.,Ltd.
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SPECIFICATION

MODULE NO.: WF39DTLFSHDHNO#

General Specifications

Item	Dimension	Unit
Size	3.9	inch
Dot Matrix	480x128 x RGB	dots
Module dimension	125.0 x 66.5 x 11.80 (Max)	mm
Active area	95.04 x 25.34	mm
Pixel pitch	0.198(H) x 0.198(V) mm	mm
LCD type	TFT, Normally White, Transmissive	
View Direction	6 o'clock	
Gray Scale Inversion Direction	12 o'clock	
Aspect Ratio	Bar Type	
Backlight Type	LED, Normally White	
Controller IC	TFP401	
Interface	HDMI(only for DVI)	
Touch Panel	Without Touch Panel	
Surface	Anti-Glare	

*Color tone slight changed by temperature and driving voltage.

Absolute Maximum Ratings

Item	Symbol	Min	Typ	Max	Unit
Operating Temperature	TOP	-20	—	+70	°C
Storage Temperature	TST	-30	—	+80	°C

Electrical Characteristics

Operating conditions:

Item	Symbol	Condition	Min	Typ	Max	Unit
Supply Voltage For LCM	VDD	—	—	5	—	V
Supply Current For LCM	IDD	—	—	250	400	mA
LED life time	—	—	—	50,000	—	Hr

Interface

LCM PIN Definition DVI

Pin No.	Symbol	I/O	Function
1	Rx2+	I	Channel-2 positive receiver input; low-voltage signal differential- input pair.
2	GND	P	Ground
3	Rx2-	I	Channel-2 negative receiver input; low-voltage signal differential- input pair.
4	Rx1+	I	Channel-1 positive receiver input; low-voltage signal differential- input pair.
5	GND	P	Ground
6	Rx1-	I	Channel-1 negative receiver input; low-voltage signal differential- input pair.
7	Rx0+	I	Channel-0 positive receiver input; low-voltage signal differential- input pair.
8	GND	P	Ground
9	Rx0-	I	Channel-0 negative receiver input; low-voltage signal differential- input pair.
10	RxC+	I	Clock positive receiver input; low-voltage signal differential- input pair.
11	GND	P	Ground
12	RxC-	I	Clock negative receiver input; low-voltage signal differential- input pair.
13-16	NC	-	No connection
17	GND	P	Ground
18	5V	P	Power Supply
19	Delect	-	Delect

I: input, O: output, P: Power

Note 1: Only supports Raspberry Pi series

PW(Micro USB type B)

Pin No.	Symbol	I/O	Function
1	5V	P	Power Supply
2	NC	-	No connection
3	NC	-	No connection
4	NC	-	No connection
5	GND	P	Ground

Contour Drawing

