



SPECIFICATION

MODULE NO.: WF102DTIAHLNNO#

General Specifications

Item	Dimension	Unit
Size	10.2	inch
Dot Matrix	1024 x RGB x 600(TFT)	dots
Module dimension	235.0(W) x 145.8(H) x 5.3(D)	mm
Active area	222.72 x 130.5	mm
Dot pitch	0.2175 x 0.2175	mm
LCD type	TFT, Normally White, Transmissive	
View Direction	12 o'clock	
Gray Scale Inversion Direction	6 o'clock	
Backlight Type	LED, Normally White	
With /Without TP	Without TP	
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

Ta=25°C

ITEM		SYMBOL	MIN.	TYP.	MAX.	UNIT
Power Supply Voltage For LCD		V _{CC}	3.0	3.3	3.6	V
Power Supply Voltage For LED		V _{LED}	11.5	12	12.5	V
Logic Input Voltage (LVDS:IN+,IN-)	Input Voltage	V _{IN}	0	-	V _{CC}	V
	Common Mode Voltage	V _{CM}	1.08	1.2	1.32	V
	Differential Input Voltage	V _{ID}	250	350	450	mV
	Threshold Voltage(high)	V _{TH}	-	-	100	mV
	Threshold Voltage(low)	V _T L	-100	-	-	mV
ADJ Input Voltage	Input Voltage(high)	V _I H	3.0		3.3	V
	Input Voltage(low)	V _I L	GND		0.3	V

Interface

Pin No.	SYMBOL	FUNCTION
1	GND	Ground
2	VCC	+3.3V Power
3	VCC	+3.3V Power
4	NC	NC
5	ADJ	Adjust for LED brightness
6	SELB	6bit/8bit mode select
7	NC	NC
8	RXIN0-	LVDS Signal(-)—channel 0
9	RXIN0+	LVDS Signal(+)—channel 0
10	GND	Ground
11	RXIN1-	LVDS Signal(-)—channel 1
12	RXIN1+	LVDS Signal(+)—channel 1
13	GND	Ground
14	RXIN2-	LVDS Signal(-)—channel 2
15	RXIN2+	LVDS Signal(+)—channel 2
16	GND	Ground
17	RXCLKIN-	LVDS Clock Signal(-)
18	RXCLKIN+	LVDS Clock Signal(+)
19	GND	Ground
20	RXIN3-	LVDS Signal(-)—channel 3
21	RXIN3+	LVDS Signal(+)—channel 3
22	GND	Ground
23	GND	Ground
24	VLED	Power Supply for LED(VLED =12.0±0.5)
25	VLED	Power Supply for LED(VLED =12.0±0.5)
26	VLED	Power Supply for LED(VLED =12.0±0.5)
27	NC	NC
28	NC	NC
29	NC	NC
30	NC	NC

Contour Drawing



