



SPECIFICATION

MODULE NO.: WF46ATIATDNN0#

General Specifications

Item	Dimension	Unit
Size	4.6	inch
Dot Matrix	800 x RGBx320(TFT)	dots
Module dimension	120.7(W) x 56.16(H) x 3.1(D)	mm
Active area	108 x 43.2	mm
Dot pitch	0.045(W)x 0.135(H)	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

Operating conditions:

Item		Symbol	MIN	TYP	MAX	Unit
Supply Voltage		V_{DD}	2.7	3.3	3.6	V
Input Signal Voltage	Low Level	V_{IL}	GND	-	0.3x VDD	V
	High Level	V_{IH}	0.7x VDD	-	VDD	V

Interface

LCM PIN Definition

No.	Symbol	Description
1	VLEDK	Backlight LED Cathode
2	VLEDA	Backlight LED Anode.
3	GND	Ground
4	VDD	Power supply
5~12	R0~R7	Data bus
13~20	G0~G7	Data bus
21~28	B0~B7	Data bus
29	GND	Ground
30	DCLK	Clock for input data. Data latched at rising/falling edge of this signal. Default falling edge. Normally pull low.
31	DISP	Standby mode. Normally pulled high. DISP="1": Normally operation (Default) DISP="0": Timing controller, source driver will turn off ,all output are High-Z.
32	HSYNC	Horizontal Sync signal
33	VSYNC	Vrtical Sync signal
34	DE	Data input enable. Active high to enable the data input bus under "DE Mode ". Normally pull low.
35	NC	No connected
36	GND	Ground
37	NC	No connected
38	NC	No connected
39	NC	No connected
40	NC	No connected

Contour Drawing

