

TFT DISPLAY SPECIFICATION



WINSTAR Display Co.,Ltd.
華凌光電股份有限公司



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WEB: <https://www.winstar.com.tw> E-mail: sales@winstar.com.tw

SPECIFICATION

MODULE NO.: WF35YTIACDNN0#

General Specifications

Item	Dimension	Unit
Size	3.5	inch
Dot Matrix	320 x RGBx240(TFT)	dots
Module dimension	76.84x 63.84x 3.27	mm
Active area	70.08 x 52.56	mm
Dot pitch	0.073 x 0.219	mm
LCD type	TFT, Normally White, Transmissive	
View Direction	12o'clock	
Gray Scale Inversion Direction	6 o'clock	
Aspect Ratio	4:3	
Backlight Type	LED ,Normally White	
Touch Panel	Without touch panel	
Surface	Anti-Glare	

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 For LCM	VCC	3.0	3.3	3.6	V
Supply Current For LCM	ICC	—	12	18	mA

LED driving conditions

Parameter	Symbol	Min.	Typ.	Max.	Unit
LED current		-	20	-	mA
Power Consumption		336	384	408	mW
LED voltage	LED+	16.8	19.2	20.4	V
LED Life Time		-	50,000	-	Hr

Interface

LCM PIN Definition

Pin	Symbol	Function
1	VLED-	Power for LED backlight cathode
2	VLED+	Power for LED backlight anode
3	DGND	System ground pin of the IC. Connect to system ground.
4	VCC	Power Supply
5	R0	Red Data bit(LSB)
6	R1	Red Data bit
7	R2	Red Data bit
8	R3	Red Data bit
9	R4	Red Data bit
10	R5	Red Data bit
11	R6	Red Data bit
12	R7	Red Data bit (MSB)
13	G0	Green Data bit(LSB)
14	G1	Green Data bit
15	G2	Green Data bit
16	G3	Green Data bit
17	G4	Green Data bit
18	G5	Green Data bit
19	G6	Green Data bit
20	G7	Green Data bit (MSB)
21	B0	Blue Data bit(LSB)
22	B1	Blue Data bit
23	B2	Blue Data bit
24	B3	Blue Data bit
25	B4	Blue Data bit
26	B5	Blue Data bit
27	B6	Blue Data bit
28	B7	Blue Data bit (MSB)
29	AVSS	Grounding for analog circuit Connect to system ground

30	CLK	Dot-clock signal and oscillator source
31	NC	No connect
32	HSYNC	Horizontal sync signal
33	VSYNC	Vertical sync signal
34	DE	Data Enable signal
35	NC	No connect
36	RESET	Hardware reset
37	NC	No connect
38	NC	No connect
39	NC	No connect
40	NC	No connect

Contour Drawing

