



WINSTAR Display Co.,Ltd.
華凌光電股份有限公司



SPECIFICATION

MODULE NO.: WF35TTNACDNN0#

General Specifications

Item	Dimension	Unit
Size	3.5	inch
Dot Matrix	320 x RGB x 240(TFT)	dots
Module dimension	76.9(W) x 63.9(H) x 3.1(D)	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	12 o'clock	
Gray Scale Inversion Direction	6 o'clock	
Backlight Type	LED, Normally White	
With /Without TP	Without TP	
Aspect Ratio	4:3	
Surface	Glare	

*Color tone slight changed by temperature and driving voltage.

Absolute Maximum Ratings

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

Electrical Characteristics

Item	Symbol	Condition	Min	Typ	Max	Unit
Supply Voltage For LCM	Vcc	—	3.0	3.3	3.6	V
Supply Current For LCM	Icc	—	—	8.6	15	mA

Interface

LCM PIN Definition

Pin	Symbol	Function
1	LED-	Power for LED backlight cathode
2	LED-	Power for LED backlight cathode
3	LED+	Power for LED backlight anode
4	LED+	Power for LED backlight anode
5	NC	No connect
6	NC	No connect
7	NC	No connect
8	/RESET	Hardware reset
9	CSB	Chip select pin of serial interface
10	SCL	Clock pin of serial interface
11	SDA	Data input pin in serial mode
12	B0	Blue Data bus0
13	B1	Blue Data bus1
14	B2	Blue Data bus2
15	B3	Blue Data bus3
16	B4	Blue Data bus4
17	B5	Blue Data bus5
18	B6	Blue Data bus6
19	B7	Blue Data bus7
20	G0	Green Data bus0
21	G1	Green Data bus1
22	G2	Green Data bus2
23	G3	Green Data bus3
24	G4	Green Data bus4
25	G5	Green Data bus5
26	G6	Green Data bus6
27	G7	Green Data bus7
28	R0	Red Data bus0 / DX0
29	R1	Red Data bus1 / DX1
30	R2	Red Data bus2 / DX2
31	R3	Red Data bus3 / DX3
32	R4	Red Data bus4 / DX4
33	R5	Red Data bus5 / DX5
34	R6	Red Data bus6 / DX6
35	R7	Red Data bus7 / DX7
36	HSYNC	Line synchronization signal (Fix to GND when not in use)
37	VSYNC	Frame synchronization signal (Fix to GND when not in use)
38	DCLK	Dot-clock signal and oscillator source

39	NC	No connect
40	NC	No connect
41	VCC	Power Supply
42	VCC	Power Supply
43	NC	No connect
44	NC	No connect
45	NC	No connect
46	NC	No connect
47	NC	No connect
48	IF2	Input pin to select input interface mode
49	IF1	Input pin to select input interface mode
50	NC	No connect
51	NC	No connect
52	DE	Display enable pin from controller. Internal pull high Connect to VCCIO or floating if not used (Fix to GND when not in use)
53	GND	Ground.
54	GND	Ground.

Contour Drawing

