



Winstar Display Co., LTD

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SPECIFICATION

MODULE NO.: WF35LSIACDNT0#

General Specifications

Item	Dimension	Unit
Size	3.5	inch
Dot Matrix	320 x RGBx240(TFT)	dots
Module dimension	76.9x 63.9x 4.36	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	
Backlight Type	LED ,Normally White	
With /Without TP	With RTP	
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	VCC	—	3.0	3.3	3.6	V
Supply Current For LCM	ICC	—	—	8.6	15	mA

Interface

LCM PIN Definition

Pin	Symbol	Function	Remark
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	YU	Top electrode	
6	XL	Left electrode	
7	NC	No connect	
8	/RESET	Hardware reset	
9	SPENA	Chip select pin of serial interface	
10	SPCLK	Clock pin of serial interface	
11	SPDAT	Data input pin in serial mode	
12	B0	Data bus	
13	B1	Data bus	
14	B2	Data bus	
15	B3	Data bus	
16	B4	Data bus	
17	B5	Data bus	
18	B6	Data bus	
19	B7	Data bus	
20	G0	Data bus	
21	G1	Data bus	
22	G2	Data bus	
23	G3	Data bus	
24	G4	Data bus	
25	G5	Data bus	
26	G6	Data bus	
27	G7	Data bus	
28	R0	Data bus	
29	R1	Data bus	
30	R2	Data bus	
31	R3	Data bus	
32	R4	Data bus	
33	R5	Data bus	
34	R6	Data bus	
35	R7	Data bus	

36	HSYNC	Line synchronization signal	
37	VSYNC	Frame synchronization signal	
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	YD	Bottom electrode	
44	XR	Right electrode	
45	NC	No connect	
46	NC	No connect	
47	NC	No connect	
48	SEL2	Input pin to select input interface mode	
49	SEL1	Input pin to select input interface mode	
50	SEL0	Input pin to select input interface mode	
51	NC	No connect	
52	DE	Display enable pin from controller. Internal pull high Connect to VCCIO or floating if not used	
53	DGND	System ground pin of the IC. Connect to system ground.	
54	AVSS	Grounding for analog circuit Connect to system ground	

Contour Drawing

