Winstar Display Co., LTD
華凌光電股份有限公司
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SPECIFICATION

MODULE NO.: WF35PTIBCDBT0#

General Specifications

Item	Dimension	Unit
Size	3.5	inch
Dot Matrix	320 x RGB x 240	dots
Module dimension	93.5 x 66.44 x 9.8	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	
Controller IC	RA8875	
Interface	Digital 8080 family MPU	
With /Without TP	With RTP	
Surface	Anti-Glare	

*Color tone slight changed by temperature and driving voltage.

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Absolute Maximum Ratings

Item	Symbol	Min	Typ	Max	Unit
Operating Temperature	TOP	-20	—	+70	℃
Storage Temperature	TST	-30	—	+80	℃

Electrical Characteristics

Operating conditions: **(**CON2.Pin1=GND, Pin2=VDD)

Item	Symbol	Condition	Min	Typ	Max	Unit
Supply Voltage For LCM	VDD	-	3.0	3.3	3.6	V
Supply Current For LCM	IDD	-	-	50	75	mA
Power Consumption		-	-	165	270	mW

LED driving conditions (CON2. Pin33,34=VLED-, Pin35,36=VLED+)

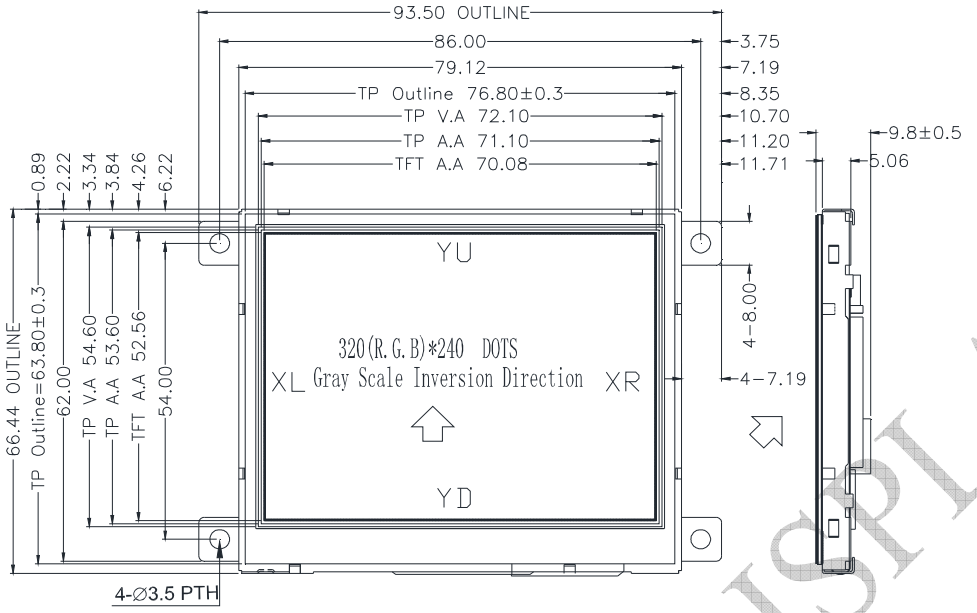
Parameter	Symbol	Min.	Typ.	Max.	Unit
Operation Current For LED Driver	IVLED	-	-	75	mA
Power Consumption	-	-	-	375	mW
Supply Voltage For LED Driver	VLED+	3.3	-	5	V
LED Life Time	-	-	50,000	-	Hr

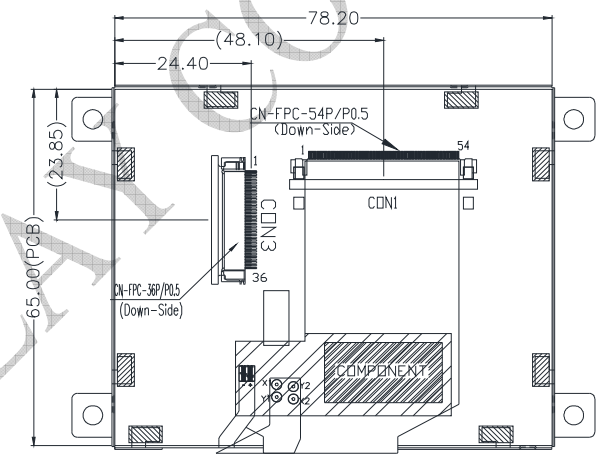
Interface

Pin	Symbol	Function
1	GND	System ground
2	VDD	Power Supply : +3.3V
3	NC	No connect
4	RS	Data/Command select
5	WR	Write strobe signal
6	RD	Read strobe signal
7~22	DB0~DB15	Data bus
23	WAIT	Wait Signal Output(H:active)
24	RTP_INT	RTP Interrupt
25	CS	Chip select
26	RST	Hardware reset
27~32	NC	No connect
33~34	VLED-	Power for LED backlight cathode
35~36	VLED+	Power for LED backlight anode

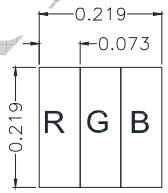
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Contour Drawing





Pin	Symbol
1	GND
2	VDD
3	BL_E
4	RS
5	WR
6	RD
7	DB0
8	DB1
9	DB2
10	DB3
11	DB4
12	DB5
13	DB6
14	DB7
15	DB8
16	DB9
17	DB10
18	DB11
19	DB12
20	DB13
21	DB14
22	DB15
23	WAIT
24	RTP_INT
25	CS
26	RST
27	NC
28	NC
29	NC
30	NC
31	NC
32	NC
33	VLED-
34	VLED-
35	VLED+
36	VLED+



SCALE 1:100

The non-specified tolerance of dimension is ±0.3mm.

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