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

CUSTOMER : _____

MODULE NO.: WF57-320240BL#005-FC

General Specifications

Item	Dimension	Unit
Size	5.7	inch
Dot Matrix	320 x RGBx240(TFT)	dots
Module dimension	160.0(W) x 109.0(H) x 16.5(D)	mm
Active area	115.20 x 86.40	mm
Dot pitch	0.12 x 0.36	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	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	0	—	+70	℃
Storage Temperature	TST	-30	—	+80	℃

Electrical Characteristics

Operating conditions:

Item	Symbol	Condition	Min	Typ	Max	Unit	Remark
Supply Voltage For LCM	VCC	—	3.0	3.3	3.6	V	—
Supply Current For LCM	ICC	—	—	210	315	mA	Note1
Input High Volt.	VIH	—	0.7 VCC	—	VCC	V	—
Input Low Volt.	VIL	—	0	—	0.3 VCC	V	—

Note 1 : This value is test for VCC =3.3V , Ta=25 ℃ only

LED driving conditions

Parameter	Symbol	Min.	Typ.	Max.	Unit	Remark
LED current	-	-	140	-	mA	-
Power Consumption	-	1260	-	1470	mW	-
LED voltage	VBL+	9.0	-	10.5	V	Note 1
LED Life Time	-	-	50,000	-	Hr	Note 2,3,4

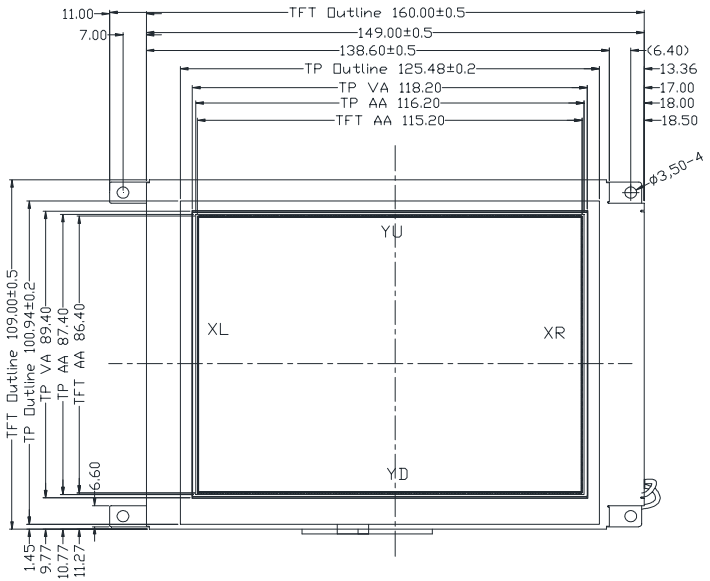
Note 1 : There are 1 Groups LED

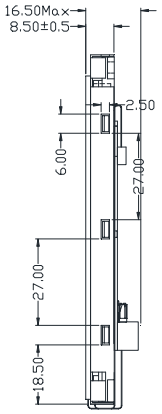
Interface

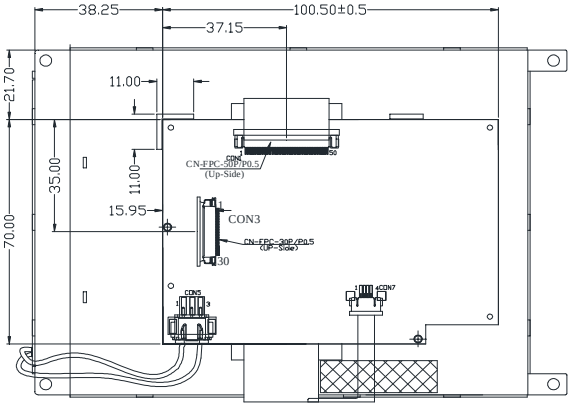
LCM PIN Definition

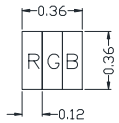
Pin	Symbol	Function	Remark
1	LED+	Power supply for Backlight +	
2	LED-	Power supply for Backlight -	
3	RX3+	+ LVDS differential data input	
4	RX3-	- LVDS differential data input	
5	GND	Ground	
6	RXC+	+ LVDS differential clock input	
7	RXC-	- LVDS differential clock input	
8	GND	Ground	
9	RX2+	+ LVDS differential data input	
10	RX2-	- LVDS differential data input	
11	GND	Ground	
12	RX1+	+ LVDS differential data input	
13	RX1-	- LVDS differential data input	
14	GND	Ground	
15	RX0+	+ LVDS differential data input	
16	RX0-	- LVDS differential data input	
17	L/R	Shift direction of device internal shift register control.	Note 1,2
18	U/D	Up/down selection	Note 1,2
19	VCC	Digital power: 3V~3.6V	
20	VCC	Digital power: 3V~3.6V	
21	YU	Top electrode	
22	XR	Right electrode	
23	YD	Bottom electrode	
24	XL	Left electrode	
25	NC	No connection	
26	NC	No connection	
27	NC	No connection	
28	NC	No connection	
29	NC	No connection	
30	RESET	Hardware reset	

Contour Drawing









SCALE:50X

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

CON3	
1	LED+
2	LED−
3	RX3+
4	RX3−
5	GND
6	RXC+
7	RXC−
8	GND
9	RX2+
10	RX2−
11	GND
12	RX1+
13	RX1−
14	GND
15	RX0+
16	RX0−
17	L/R
18	U/D
19	VCC
20	VCC
21	YU
22	XR
23	YD
24	XL
25	NC
26	NC
27	NC
28	NC
29	NC
30	RESET

Touch Panel Information

