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SPECIFICATION

CUSTOMER : _____

MODULE NO.: WF35-320240L#003-FC

APPROVED BY: (FOR CUSTOMER USE ONLY)	PCB VERSION:	DATA:

SALES BY	APPROVED BY	CHECKED BY	PREPARED BY
Winstar Technology Co., Ltd. 瀚凌电子 2013-01-31 开发部发行 L C M		2013.1.31	叶慧芬
ISSUED DATE: 2013-1-30			

Represented by:
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2.Summary

This technical specification applies to 3.45’ color TFT-LCD panel. The 3.45’ color TFT-LCD panel is designed for camcorder, digital camera application and other electronic products which require high quality flat panel displays. This module follows RoHS.

3.General Specification

Item	Dimension	Unit
Dot Matrix	320 x RGBx240(TFT)	dots
Module dimension	93.5 x 66.44 x 7.3	mm
Active area	70.08 x 52.56	mm
Dot pitch	0.073 x 0.219	mm
LCD type	TFT, Negative, Transmissive	
View Direction	12 o’clock	
Gray Scale Inversion Direction	6 o’clock	
Backlight Type	LED,Normally White	

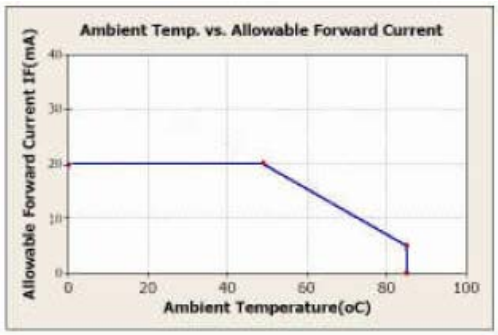
*Color tone slight changed by temperature and driving voltage.

4.Absolute Maximum Ratings

Item	Symbol	Min	Typ	Max	Unit
Operating Temperature	T_{OP}	-20	—	+70	℃
Storage Temperature	T_{ST}	-30	—	+80	℃

Note: Device is subject to be damaged permanently if stresses beyond those absolute maximum ratings listed above

1. Temp. ≦60^{0}C, 90% RH MAX. Temp. ＞ 60^{0}C , Absolute humidity shall be less than 90% RH at 60^{0}C



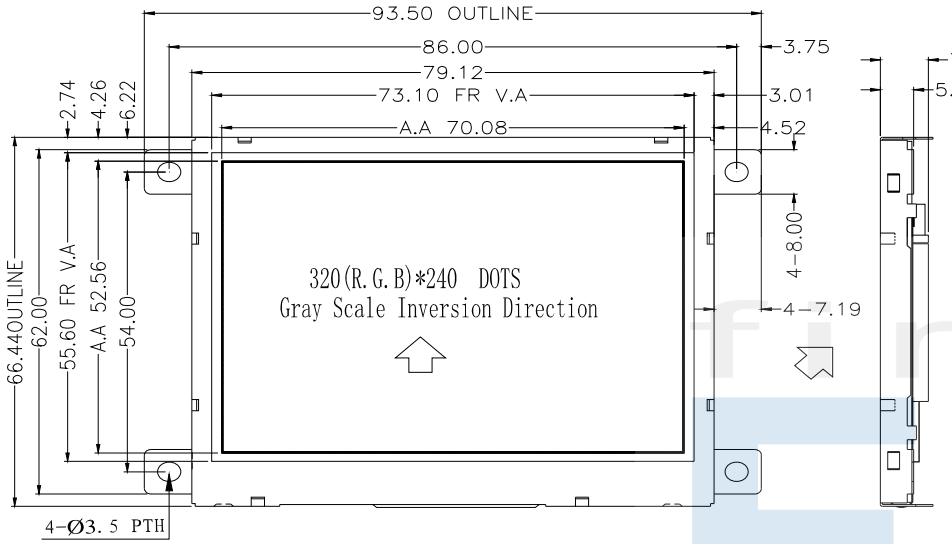
9. Interfae

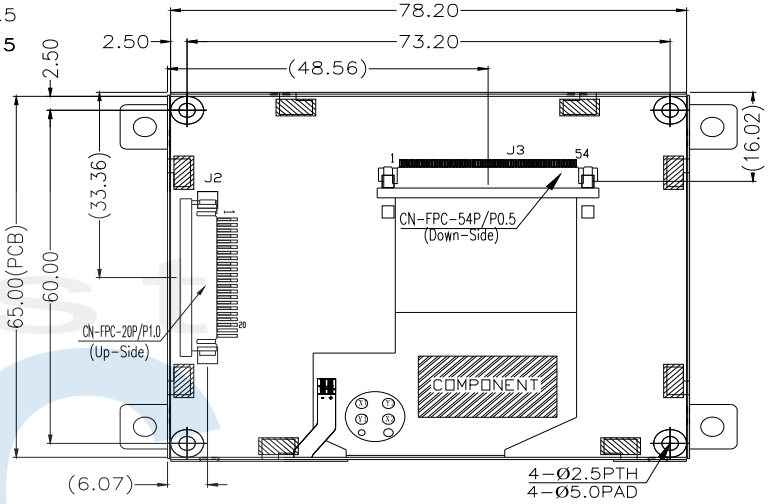
9.1. LCM PIN Definition

Pin	Symbol	I/O	Function	Remark
1	VSS	P	Systen ground pin of the IC. Connect to systen ground.	
2	VDD	P	Power Supply : +3.3V	
3	BL_E	I	Backlight control signal , H: On \ L:Off	
4	RS	I	Data/Command select	
5	WR	I	Write strobe signal	
6	RD	I	Read strobe signal	
7	DB0	I	Data bus	
8	DB1	I	Data bus	
9	DB2	I	Data bus	
10	DB3	I	Data bus	
11	DB4	I	Data bus	
12	DB5	I	Data bus	
13	DB6	I	Data bus	
14	DB7	I	Data bus	
15	CS	I	Chip select	
16	RESET	I	Hardware reset	
17	NC	-	No connect	
18	FGND	-	Ground	
19	NC	-	No connect	
20	NC	-	No connect	

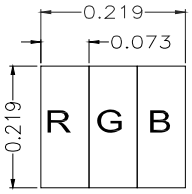
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12.Contour Drawing





PIN NO.	SYMBOL
1	VSS
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	CS
16	RES
17	NC
18	FGND
19	NC
20	NC



SCALE 1:100

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