



## GENERAL DESCRIPTION

Item	Specification	Unit
Display Mode	TFT Transmissive	-
Number of Pixels	240(W) x RGB x 320(H)	-
Viewing Direction	12 o'clock	-
Touch Panel	4 Wire Analog Type	-
Outline Dimension	50.0 (W)x 69.20 (H) x2.40(T)	mm
Active Area	43.20(W) x 57.60(H)	mm
Pixel Pitch	0.180(RGB)(W) x 0.180(H)	mm

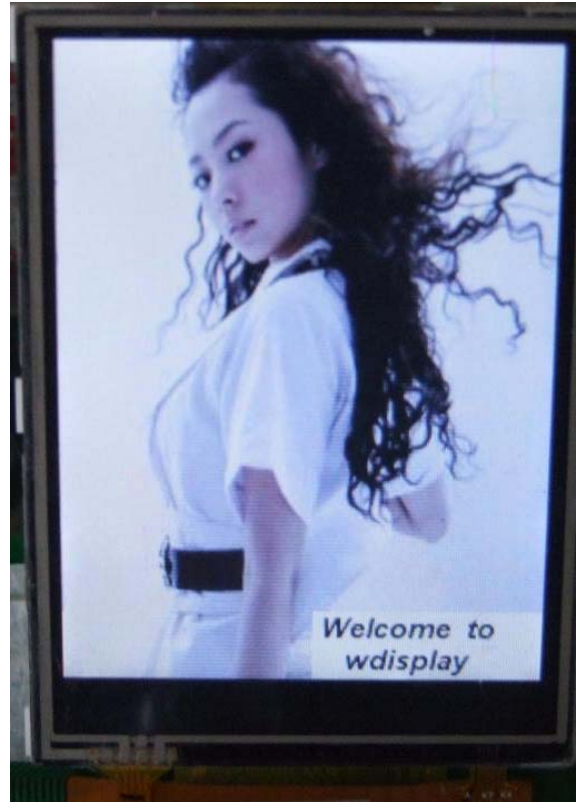
## DC ELECTRICAL CHARACTERISTICS(Ta=25°C)

Item	Symbol	Min.	Type	Max.	Unit
Supply Voltage(analog)	VDD-VSS	2.6	2.8	3.3	V
Supply Voltage(logic)	IOVCC-GND	1.65	1.8/2.8	3.3	V
Supply Current	IDD	-	-	10	mA
TFT Gate on Voltage	VGH	-	-	18	V
	VGL	-	-	-6	V
BL Forward Voltage	VF	3.0	3.2	3.4	V
BL Forward Current	IF	-	60	-	mA

## PIN DESCRIPTION

No.	Symbol	I/O	Function
1-4	LED-K	P	Power supply for LED-K
5	LED-A	P	Power supply for LED-A
6	IM0	I	Interface select
7	IM3	I	
8	RESET	I	Chip reset signal
9	/TEST1	I	This pin is for testing,
10-27	DB17-DB0	I	Data bus DB17-DB0
28	RD	I/O	Read signal and read data out when it is low
29	WR	I	Write signal and write data when it is low
30	RS	I	Register select signal.
31	CS	I	Chip select pin
32	FMARK	O	The port for output a frame head pulse signal
33	IOVCC	P	Power supply for I/O system. (1.8/2.8V)
34	VCC	P	Power supply for the system and analog circuit.(2.8V)
35	VCI	P	
36	GND	P	Ground
37	XR	I	The signal for the touch panel.(Not connect)
38	YD	I	
39	XL	I	
40	YU	I	

## PRODUCT PICTURE



## Mechanical Specification

NO.	Pin Name
1	LEDK4
2	LEDK3
3	LEDK2
4	LEDK1
5	LEDA
6	IM0
7	IM3
8	RESET
9	TEST1
10	DB17
11	DB16
12	DB15
13	DB14
14	DB13
15	DB12
16	DB11
17	DB10
18	DB9
19	DB8
20	DB7
21	DB6
22	DB5
23	DB4
24	DB3
25	DB2
26	DB1
27	DB0
28	RD
29	WR
30	RS
31	CS
32	FMARK
33	IOVCC
34	VCC
35	VCI
36	GND
37	X(R)
38	Y(D)
39	XL(L)
40	Y(U)

Viewing direction  
12 o'clock

240X320DOTS  
2.8" TFT

Component side

黄色保护纸  
厚度高度0.4MAX

FPC折弯后参考图纸  
FPC展开出货

IM3--IM0:  
00: 8080 16BIT, DATA BUS=DB17-DB10, DB8-DB1;  
01: 8080 8BIT, DATA BUS=DB17-DB10;  
10: 8080 18BIT, DATA BUS=DB17-DB0;  
11: 8080 9BIT, DATA BUS=DB17-DB9;  
UNUSED PINS MUST BE FIXED TO GND LEVEL

NOTE:  
1. GENERAL TOLERANCE: ±0.2.  
2. (...) IS REFERENCE DIMENSION.  
3. COMPLYABLY RoHS.  
4. MAIN LCD DRIVER: IL19325D

IOVCC=1.8/2.8v VCC=2.8v

CIRCUIT DIAGRAM  
if=20\*4mA

