



GENERAL INFORMATION		
Item	Contents	Unit
LCD Size	5.0	Inch
Number Of Pixels	800×480	---
Pixel pitch (W x H)	0.045(H)×0.135(V)	mm
Active Area	108.0(H)×64.8(V)	mm
Viewing area (W x H)	110.7×67.4	mm
LCM outline (W x H x T)	120.7(W)×75.8(H)×2.75(D)	mm
Display mode	TN12,NW	---
View angle (L/R/U/D)	60/60/40/60	Degree
TFT Driver IC	ILI6122+ILI5960	---
Interface Type	RGB	---
Color depth	/	M
LCM brightness	MIN 360	Cd/m ²
With/Without tp	/	---
TFT Power consumption	TBD	mw
BL Power consumption	1170	mw
Operation Temperature	-20~60	°C
LED life time	30,000	Hrs

ELECTRICAL CHARACTERISTICS					
Parameter	Symbol	Min.	Typ.	Max.	Unit
Power Supply Voltage	VDD	3.0	3.3	3.6	v
	AVDD	10.2	10.4	10.6	v
	VGH	14.5	15.0	15.5	v
	VGL	-8.5	-8.0	-7.5	v
	VCOM	3.74	4.24	4.74	v
Input logic high voltage	VIH	0.9VDD	-	VDD	v
Input logic low voltage	VIL	0	-	0.1VDD	v

BACKLIGHT DRIVING CONDITION					
Item	Symbol	Min	Typ.	Max	Unit
Forward current	If	--	--	60	mA
Forward voltage	Vf	17	--	22.0	v

INTERFACE DESCRIPTION			
No.	SYMBOL	I/O	Description
1-2	LEDA	P	LED power anode
3-4	LEDK	P	LED power cathode
5	GND	P	Ground
6	VCOM	I	Power supply for the TFT-LCD common electrode
7	VDD	P	Power for digital circuit
8	MODE	I	DE/SYNC mode select
9	DE	I	Data input enable. Display access is enabled when DE is "H"
10	VSYNC	I	Vertical Sync Input
11	HSYNC	I	Horizontal Sync Input
12-19	B7-B0	I	Blue data
20-27	G7-G0	I	Green data
28-35	R7-R0	I	Red data
36	GND	P	Ground.
37	DCLK	I	Pixel clock input pin.
38	GND	P	Ground
39	L/R	I	Left / right selection
40	U/D	I	Up/down selection
41	VGH	I	Gate on voltage
42	VGL	I	Gate off voltage
43	AVDD	P	Power for analog circuit
44	RES	I	Global reset pin
45	NC	-	No connection
46	VCOM	I	Power supply for the TFT-LCD common electrode.
47	DITHB	I	Dithering function
48	GND	P	Ground
49	NC	-	No connection
50	NC	-	No connection