



GENERAL INFORMATION		
Item	Contents	Unit
LCD Size	5.0	Inch
Number Of Pixels	800(H)RGB×480(V)	---
Pixel Pitch	0.135(H)×0.135(V)	mm
Active Area	108.0(H)×64.8(V)	mm
Viewing area (W x H)	110.7(H)×67.5(V)	mm
LCM outline (W x H x T)	120.7(W)×75.8(H)×2.8(D)	mm
Display mode	IPS,NB	---
View angle (L/R/U/D)	80/80/80/80	Degree
TFT Driver IC	ST7262	---
Interface Type	24-bit RGB	---
Color depth	16.7M	Color
LCM brightness	TYP 500	Cd/m ²
With/Without tp	Without tp	---
TFT Power consumption	270	mW
BL Power consumption	740	mW
Operation Temperature	-20~70	°C
LED life time	TYP 30,000	Hrs

ELECTRICAL CHARACTERISTICS					
Parameter	Symbol	Min.	Typ.	Max.	Unit
Power Supply Voltage	VDD	3.1	3.3	3.6	V
Input logic high voltage	VIH	0.7VDD	-	VDD	V
Input logic low voltage	VIL	0	-	0.3VDD	V
Output logic high voltage	VOH	VDD-0.4		VDD	V
Output logic low voltage	VOL	0		0.4	V

BACKLIGHT DRIVING CONDITION					
Item	Symbol	Min	Typ.	Max	Unit
Forward current	If	-	40	-	mA
Forward voltage	Vf	17.2	18.5	19.8	V

INTERFACE DESCRIPTION			
No.	SYMBOL	I/O	Description
1	LEDK	P	Power for LED backlight(Cathode)
2	LEDA	P	Power for LED backlight(Anode)
3	GND	P	Ground.
4	VDD	P	Power supply.
5-12	R0-R7	I	Red data .
13-20	G0-G7	I	Green data.
21-28	B0-B7	I	Blue data.
29	GND	P	Ground.
30	DCLK	I	Clock input pin.
31	DISP	I	DISP sets the display mode. L:Standby mode; H:Normal display mode
32	HSYNC	I	Horizontal sync input.
33	VSYNC	I	Vertical sync input.
34	DE	I	Data enable signal input.
35	NC	-	No connection
36	GND	P	Ground.
37	NC(XR)	I	No connection
38	NC(YD)	I	No connection
39	NC(XL)	I	No connection
40	NC(XU)	I	No connection