



GENERAL INFORMATION		
Item	Contents	Unit
LCD Size	4.0	Inch
Number Of Pixels	480(H)RGB×480(V)	---
Pixel Pitch	0.1497(H)×0.1462(V)	mm
Active Area	71.856(H)×70.176(V)	mm
Viewing area (W x H)	72.66(H)x 70.98(V)	mm
LCM outline (W x H x T)	74.83(W)×78.98(H)×2.14(D)	mm
Display mode	IPS,NB	---
View angle (L/R/U/D)	80/80/80/80	Degree
TFT Driver IC	ST7701S	---
Interface Type	24-bit RGB	---
Color depth	16.7M	Color
LCM brightness	TYP 360	Cd/m ²
With/Without tp	Without tp	---
TFT Power consumption	TBD	mW
BL Power consumption	512	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	2.5	2.8	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	0.8VDD	-	VDD	V
Output logic low voltage	VOL	0	-	0.2VDD	V

BACKLIGHT DRIVING CONDITION					
Item	Symbol	Min	Typ.	Max	Unit
Forward current	I _f	-	40	-	mA
Forward voltage	V _f	11.6	12.8	13.6	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	B0-B7	I	Blue data .
13-20	G0-G7	I	Green data.
21-28	R0-R7	I	Red data.
29	GND	P	Ground.
30	DE	I	Data enable signal input.
31	DCLK	I	Clock input pin.
32	HSYNC	I	Horizontal sync input.
33	VSYNC	I	Vertical sync input.
34	GND	P	Ground.
35	RESET	I	Global reset. Active low, Internal pull high
36	CS	I	Serial communication chip selection.
37	SCL	I	Serial communication clock input.
38	SDA	I	Serial communication data input.
39	SDO	I	Serial communication data output.
40	TE	I	Test pin.