



GENERAL INFORMATION		
Item	Contents	Unit
LCD Size	5.0	Inch
Resolution	800RGB × 480	---
Pixel pitch (W × H)	0.135 × 0.135	mm
Active area (W × H)	108.00 × 64.80	mm
Viewing area (W×H)	110.7 × 67.4	mm
LCM outline (W×H×T)	120.70 × 75.8 × 4.1	mm
Display mode	IPS,NW	---
View angle(L/R/U/D)	80/80/80/80	Degree
TFT Driver IC	ST7262	---
Interface Type	RGB 24bit	---
Color depth	16.7	M
LCM brightness	MIN 450	Cd/m ²
With/without tp	with	---
TFT Power consumption	TBD	mw
BL Power consumption	TBD	mw
LED life time	50,000	Hrs

INTERFACE DESCRIPTION			
No.	SYMBOL	I/O	Description
1	LED-(K)		LED power cathode
2	LED+(A)		LED power anode
3	GND		Ground for digital circuits.
4	VDD		Analog supply voltage range VDD to AVSS: 3.3V
5-12	R0-R7		Parallel 8-bit digital Red data input.
13-20	G0-G7		Parallel 8-bit digital Green data input.
21-28	B0-B7		Parallel 8-bit digital Blue data input.
29	GND		Ground for digital circuits.
30	DCLK		Clock signal. Latching data at the rising edge.
31	DISP		Standby setting for testing, it should be connected to VDDIO in normal Operation mode. If connected to GND, the IC is in standby mode.
32	HS		Horizontal Sync input. Negative polarity.
33	VS		Vertical Sync input. Negative polarity.
34	DE		Data input Enable. Active High to enable the data input Bus under "DE Mode".
35	NC		-
36	GND		Ground for digital circuits.
37	XR		Touch Panel
38	YD		Touch Panel
39	XL		Touch Panel
40	YU		Touch Panel

ELECTRICAL CHARACTERISTICS					
Item	Symbol	Min	Typ.	Max	Unit
Power supply voltage	VDD	3.0	3.3	3.6	V
Input signal high voltage	VIH	0.8VDD	---	VDD	V
Input signal low voltage	VIL	VSS	---	0.3VDD	V

BACKLIGHT DRIVING CONDITION					
Item	Symbol	Min	Typ.	Max	Unit
Forward current	If	126	140	154	mA
Forward voltage	Vf	8.4	9.6	13.2	V