



GENERAL INFORMATION		
Item	Contents	Unit
LCD Size	10.1	Inch
Number Of Pixels	1280(H)×800(V)	---
Pixel pitch (W x H)	0.0565(H)×RGB×0.1695(V)	mm
Active Area	216.96(H)×135.6(V)	mm
Viewing area (W x H)	220.8×139.45	mm
LCM outline (W x H x T)	229.46(W)×149.1(H)×2.55(D)	mm
Display mode	IPS,NB	---
View angle (L/R/U/D)	70/70/70/70	Degree
TFT Driver IC	/	---
Interface Type	LVDS	---
Color depth	16.7	M
LCM brightness	MIN 320	Cd/m <sup>2</sup>
With/Without tp	/	---
TFT Power consumption	1131.9	mw
BL Power consumption	2160	mw
Operation Temperature	-20~70	°C
LED life time	30,000 (MIN)	Hrs

ELECTRICAL CHARACTERISTICS					
ParameterM	Symbol	Values			Unit
		Min.	Typ.	Max.	
Power Supply Voltage	VDD	3.0	3.3	3.6	V
	VRP	--	--	300	mV
LCD Power current	IDD	-	127	343	mA
Power Consumption	PLCD	-	0.42	1.13	W
Rush curent	IRUSH	-	-	3.0	A

BACKLIGHT DRIVING CONDITION						
Parameter	Symbol	Values			Unit	
		Min.	Typ.	Max.		
LED Power supply Input voltage	VLED	5	12	18	V	
Power supply voltage for Back light	VLED	-	-	21	V	
Power supply current for Back light	ILED	-	120	-	mA	
EN Control level	ON	VENH	1.2	-	18	V
	OFF	VENL	-	-	0.4	V
PWM Control level	HIGH	VPWH	1.2	-	18	V
	LOW	VPWL	-	-	0.4	V
PWM Control	Duty Ratio		1	-	-	%
	Frequency	FPWM	5	-	100	KHZ

INTERFACE DESCRIPTION			
No.	SYMBOL	I/O	Description
1	NC	-	Non Connection
2-4	VDD	P	Power supply VDD=3.3V TYP
5	NC	-	Non Connection
6-7	GND	P	GROUND
8	RIN0-	I	LVDS Negative data signal(-)
9	RIN0+	I	LVDS Positive data signal(+)
10	GND	P	GROUND
11	RIN1-	I	LVDS Negative data signal(-)
12	RIN1+	I	LVDS Positive data signal(+)
13	GND	P	GROUND
14	RIN2-	I	LVDS Negative data signal(-)
15	RIN2+	I	LVDS Positive data signal(+)
16	GND	P	GROUND
17	LVDS_CLK-	I	LVDS Negative CLK signal(-)
18	LVDS_CLK+	I	LVDS Positive CLK signal(+)
19	GND	P	GROUND
20	RIN3-	I	LVDS Negative data signal(-)
21	RIN3+	I	LVDS Positive data signal(+)
22	GND	P	GROUND
23	NC	-	Non Connection
24	NC	-	Non Connection
25	GND	P	GROUND
26	SCL_S	I	Reserved for LCD manufacturer's use ,Non Connection
27	SDA_S	I	Reserved for LCD manufacturer's use ,Non Connection
28	GND	P	GROUND
29-30	NC	-	Non Connection
31-33	GND	P	GROUND
34	NC	-	Non Connection
35	LED_PWM	I	LED PWM signal pin
36	NC	-	Non Connection
37	NC	-	Non Connection
38-40	LED+	P	LED Anode