



GENERAL INFORMATION		
Item	Contents	Unit
LCD Size	8.0	Inch
Number Of Pixels	1280(H)×768(V)	---
Pixel pitch (W x H)	158.25(H) x 158.25(V)	um
Active Area	162.048(H)×121.536(V)	mm
Viewing area (W x H)	164.8×124.30	mm
LCM outline (W x H x T)	182.9(W)×141.0(H)×5.62(D)	mm
Display mode	IPS,NB	---
View angle (L/R/U/D)	80/80/80/80	Degree
TFT Driver IC	NT39212+NT51008M	---
Interface Type	LVDS	---
Color depth	/	color
LCM brightness	TYP 600	Cd/m ²
With/Without tp	/	---
TFT Power consumption	/	mw
BL Power consumption	2520	mw
Operation Temperature	-20~70	°C
LED life time	20,000 (MIN)	Hrs

ELECTRICAL CHARACTERISTICS					
Item	Symbol	Min	Typ.	Max	Unit
Power Supply Voltage	VDD	2.3	3.3	3.6	V
	AVDD	8.0	-	13.5	V
	VGH	18.4	18.9	19.4	V
	VGL	-8.3	-7.8	-7.3	V
	VCOM	4.2	4.7	5.2	V
Input logic high voltage	VIH	0.7VDD	-	VDD	V
Input logic low voltage	VIL	0	-	0.3VDD	V

BACKLIGHT DRIVING CONDITION					
Item	Symbol	Min	Typ.	Max	Unit
Forward current	If	--	360	--	mA
Forward voltage	Vf	8.4	9.0	9.6	V

INTERFACE DESCRIPTION			
No.	SYMBOL	I/O	Description
1	VCOM	I	Common Voltage
2	VDD	P	Power Supply (+3.3V)
3	VDD	P	Power Supply (+3.3V)
4	NC	-	No connection
5	RSTB	I	Global reset pin.
6	STBYB	I	Standby mode, Normally pulled high
7	GND	P	Ground.
8	RXIN0-	I	- LVDS differential data input
9	RXIN0+	I	+ LVDS differential data input
10	GND	P	Ground.
11	RXIN1-	I	- LVDS differential data input
12	RXIN1+	I	+ LVDS differential data input
13	GND	P	Ground.
14	RXIN2-	I	- LVDS differential data input
15	RXIN2+	I	+ LVDS differential data input
16	GND	P	Ground.
17	RXCLKIN-	I	- LVDS differential data input
18	RXCLKIN+	I	+ LVDS differential data input
19	GND	P	Ground.
20	RXIN3-	I	- LVDS differential data input
21	RXIN3+	I	+ LVDS differential data input
22	GND	P	Ground.
23	NC	-	No connection
24	NC	-	No connection
25	GND	P	Ground.
26	NC	-	No connection
27	DIMO	I	Backlight CABG controller signal output
28	SELB	I	6bit/8bit mode select
29	AVDD	P	Power for Analog Circuit
30	GND	P	Ground
31	LED-	P	LED Cathode
32	LED-	P	LED Cathode
33	L/R	-	Horizontal inversion
34	U/D	-	Vertical inversion
35	VGL	I	Gate OFF Voltage
36	CABCEN1	-	CABC H/W enable pin
37	CABCEN0	-	CABC H/W enable pin
38	VGH	I	Gate ON Voltage
39	LED+	P	LED Anode
40	LED+	P	LED Anode