GENERAL INFORMATION

Item	Contents	Unit
LCD Size	7.0	Inch
Number Of Pixels	1024(H)RGB×600(V)	---
Sub Pixel Pitch	0.0502(H) ×0.1432(V)	mm
Active Area	154.2144(H)×85.92(V)	mm
Viewing area (W x H)	157.0 x 89.5	mm
LCM outline (W x H x T)	165.03(W)×100.03(H)×5.65(D)	mm
Display mode	IPS,NB	---
View angle （L/R/U/D）	85/85/85/85	Degree
TFT Driver IC	HX8282+HX8696	---
Interface Type	LVDS	---
Color depth	16.7M	color
LCM brightness	TYP 600	Cd/m²
With/Without tp	/	---
TFT Power consumption	70	mw
BL Power consumption	1800	mw
Operation Temperature	-20~70	℃
LED life time	30,000	Hrs

ELECTRICAL CHARACTERISTICS

Parameter	Symbol	Min.	Typ.	Max.	Unit
Power Supply Voltage	VDD	2.3	3.3	3.6	V
	AVDD	-	9.6	-	V
	VGH	-	18.0	-	V
	VGL	-	-6	-	V
	VCOM	3.1	3.2	3.3	V
Power Supply current	IDD	-	21	-	mA
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	--	200	--	mA
Forward voltage	Vf	8.4	9.0	10.5	V

INTERFACE DESCRIPTION

No.	SYMBOL	I/O	Description
1	VCOM	P	Common Voltage
2	VDD	P	Power Voltage for digital circuit
3	VDD	P	Power Voltage for digital circuit
4	NC	-	No connection
5	RESET	I	Global reset pin
6	STBYB	I	Standby mode, Normally pulled high STBYB = "1", normal operation STBYB = "0", timing controller, source driver will turn off, all output are High-Z
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 CABC controller signal output
28	SELB	I	6bit/8bit mode select. SELB=0，LVDS 8 BIT；SELB=1，LVDS 6BIT
29	AVDD	P	Power for Analog Circuit
30	GND	P	Ground.
31-32	LEDK-	P	LED Cathode
33	SHLR	I	Horizontal inversion
34	UPDN	I	Vertical inversion
35	VGL	P	Gate OFF Voltage
36	NC	-	No connection
37	NC	-	No connection
38	VGH	P	Gate ON Voltage
39-40	LEDA+	P	LED Anode