



Connector:FH12A-40S-0.5SH(55)

GENERAL INFORMATION		
Item	Contents	Unit
LCD Size	4.3	Inch
Number Of Pixels	480(H)RGB×272(V)	---
Pixel Pitch	0.198(H)×0.198(V)	mm
Active Area	95.04(H)×53.856(V)	mm
Viewing area (W x H)	98.9(H)×57.7(V)	mm
LCM outline (W x H x T)	105.40(W)×67.10(H)×2.94(D)	mm
Display mode	TN,NW	---
View angle (L/R/U/D)	45/45/15/35	Degree
TFT Driver IC	HX8257A	---
Interface Type	24-bit RGB	---
Color depth	16.7	M
LCM brightness	TYP 300	Cd/m <sup>2</sup>
With/Without tp	Without tp	---
TFT Power consumption	82.5	mW
BL Power consumption	480	mW
Operation Temperature	-20~70	°C
LED life time	30,000	Hrs

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	R0-R7	I	Red data .
13-20	G0-G7	I	Green data.
21-28	B0-B7	I	Blue data.
29	GND	P	Ground.
30	DCLK	I	Clock input pin.
31	DISP	I	DISP sets the display mode. L:Standby mode; H:Normal display mode
32	HSYNC	I	Horizontal sync input.
33	VSYSN	I	Vertical sync input.
34	DE	I	Data enable signal input.
35	NC	-	No connection
36	GND	P	Ground.
37	NC(XR)	I	No connection
38	NC(YD)	I	No connection
39	NC(XL)	I	No connection
40	NC(XU)	I	No connection

ELECTRICAL CHARACTERISTICS					
Parameter	Symbol	Min.	Typ.	Max.	Unit
Power Supply Voltage	VDD	2.7	3.3	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	VDD-0.4		VDD	V
Output logic low voltage	VOL	0		0.4	V

BACKLIGHT DRIVING CONDITION					
Item	Symbol	Min	Typ.	Max	Unit
Forward current	If	-	20	-	mA
Forward voltage	Vf	21.6	24.0	26.4	V