



GENERAL INFORMATION		
Item	Contents	Unit
LCD Size	7.0	Inch
Resolution	1024RGB × 600	---
Pixel pitch (W × H)	0.0502 × 0.1432	mm
Active area (W × H)	154.21 × 85.92	mm
Viewing area (W×H)	156.88 × 88.82	mm
LCM outline (W×H×T)	164.90 × 100.00 × 2.92	mm
Display mode	IPS,NW	---
View angle(L/R/U/D)	80/80/80/80	Degree
TFT Driver IC	Source:EK79001HN Gate:EK73215BCGA	---
Interface Type	RGB 24bit	---
Color depth	16.7	M
LCM brightness	MIN 650	Cd/m <sup>2</sup>
With/without tp	without	---
TFT Power consumption	TBD	mw
BL Power consumption	TBD	mw
LED life time	40,000	Hrs

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

BACKLIGH DRIVING CONDITION					
Item	Symbol	Min	Typ.	Max	Unit
Forward current	If	180	200	220	mA
Forward voltage	Vf	8.4	9.6	11	V

INTERFACE DESCRIPTION			
No.	SYMBOL	I/O	Description
1-2	VLED+(A)		LED power anode.
3-4	VLED-(K)		LED power cathode.
5	GND		Ground for digital circuits.
6	VCOM		A power supply for the TFT-LCD common electrode.
7	VDD		Analog supply voltage range VCI to AVSS: 3.3V.
8	MODE		DE/SYNC mode select. Normally pull high.
9	DE		Display enable pin from controller.
10	VSYNC		Frame synchronization signal.
11	HSYNC		Line synchronization signal.
12-19	B7-B0		Graphic Data Input Pins.
20-27	G7-G0		Graphic Data Input Pins.
28-35	R7-R0		Graphic Data Input Pins.
36	GND		Ground for digital circuits.
37	DCLK		Dot-clock signal and oscillator source.
38	GND		Ground for digital circuits.
39	L/R		Left / right selection
40	U/D		Up/down selection
41	VGH		A positive power output pin for gate driver. VGH = 18V.
42	VGL		A negative power output pin for gate driver. VGL = -6V.
43	AVDD		Power pad for analog circuit. AVDD = 9.6V.
44	RESET		This signal will reset the device and it must be applied to properly.
45	NC		-
46	VCOM		A power supply for the TFT-LCD common electrode. VCOM = 3.2V.
47	DITHB		Dithering function enable control, normally pull high.
48	GND		Ground for digital circuits.
49-50	NC		-