



GENERAL INFORMATION		
Item	Contents	Unit
LCD Size	7.0	Inch
Resolution	800RGB × 480	---
Pixel pitch (W × H)	0.0641 × 0.1784	mm
Active area (W × H)	153.84 × 85.63	mm
Viewing area (W×H)	156.88 × 88.87	mm
Display mode	TN,NW	---
View angle	70/70/60/70	L/R/U/D
LCM outline (W×H×T)	165.0×103.85×3.25	mm
TFT Driver IC	Source:EK9716BE3 +Gate:EK73002AB2	---
Interface Type	RGB 24bit	---
Color depth	16.7	M
LCM brightness	500	Cd/m <sup>2</sup>
With/without tp	without	---
CTP DIR VER	--	---
TFT Power consumption	TBD	mw
BL Power consumption	TBD	mw
LED life time	50, 000	Hrs

INTERFACE DESCRIPTION			
No.	SYMBOL	I/O	Description
1	LED-K	P	LED power cathode
2	LED+(A)	P	LED power anode
3	GND	P	Ground for digital circuits.
4	VDD	P	Analog supply voltage 3.3V
5-12	R0-R7	I	Parallel 8-bit digital Red data input.
13-20	G0-G7	I	Parallel 8-bit digital Green data input.
21-28	B0-B7	I	Parallel 8-bit digital Blue data input.
29	GND	P	Ground for digital circuits.
30	DCLK	I	Clock signal. Latching data at the rising edge.
31	DISP	I	Standby setting for testing, it should be connected to VDDIO in normal operation mode. If connected to GND, the IC is in standby mode.
32	HS	I	Horizontal Sync input. Negative polarity.
33	VS	I	Vertical Sync input. Negative polarity.
34	DE	I	Data input Enable. Active High to enable the data input Bus under "DE Mode".
35	NC		-
36	GND	P	Ground for digital circuits.
37	NC		
38	NC		
39	NC		
40	NC		

ELECTRICAL CHARACTERISTICS					
Item	Symbol	Min	Typ.	Max	Unit
Power Voltage	VDD	3.0	3.3	3.6	V
Input signal voltage	VIH	0.7VDD	---	VDD	V
Input signal voltage	VIL	GND	---	0.3VDD	V

BACKLIGHT DRIVING CONDITION					
Item	Symbol	Min	Typ.	Max	Unit
Forward current	If	--	180	--	mA
Forward voltage	Vf	8.4	--	9.9	V