



GENERAL INFORMATION		
Item	Contents	Unit
LCD Size	3.5	Inch
Number Of Pixels	320(H)RGB×480(V)	---
Pixel Pitch	0.153(H) ×0.153(V)	mm
Active Area	48.96(H)×73.44(V)	mm
Viewing area (W x H)	49.76(H) x 74.24(V)	mm
LCM outline (W x H x T)	55.6(W)×85.1(H)×2.32(D)	mm
Display mode	TN,NW	---
View angle (L/R/U/D)	60/60/70/70	Degree
TFT Driver IC	ILI9488	---
Interface Type	MCU/RGB	---
Color depth	262K	Color
LCM brightness	TYP 380	Cd/m ²
With/Without tp	/	---
TFT Power consumption	TYP 50	mw
BL Power consumption	TYP 360	mw
Operation Temperature	-20~70	°C
LED life time	TYP 30,000	Hrs

INTERFACE DESCRIPTION			
No.	SYMBOL	I/O	Description
1	GND	P	Ground.
2	VDDIO	P	Power Supply for I/O.
3	VDDIO	-	Power Supply for I/O.
4	VDD	-	Power Supply for Logic.
5	VDD	-	Power Supply for Logic.
6	IM0	I	Select the MCU interface mode
7	IM1	I	Select the MCU interface mode
8	IM2	I	Select the MCU interface mode
9	RESET	I	Reset pin
10	VS		Vertical sync signal.
11	HS		Horizontal sync signal.
12	DCLK		Pixel clock input pin.
13	DE		Data input enable.
14-31	DB17-DB0		Data Bus
32	GND		Ground.
33	SDO		Serial output signal
34	SDA		Serial input signal
35	RD		Serves as a read signal .
36	WR		Serves as a write signal and Serial Clock when operates in the serial interface
37	RS		When RS= '1', data is selected. When RS= '0', command is selected.
38	CS		Chip select pin ("Lower" enable)
39	NC(XR)		No connection
40	NC(YD)		No connection
41	NC(XL)		No connection
42	NC(XU)		No connection
43	LEDA		LED Power Anode.
44	LEDK1		LED Power Cathode.
45	LEDK2		LED Power Cathode.
46	LEDK3		LED Power Cathode.
47	LEDK4		LED Power Cathode.
48	LEDK5		LED Power Cathode.
49	LEDK6		LED Power Cathode.
50	GND		Ground.

ELECTRICAL CHARACTERISTICS					
Parameter	Symbol	Min.	Typ.	Max.	Unit
Supply voltage(Analog)	VDD	3.0	3.3	3.6	V
Supply voltage (I/O)	VDDIO	1.65	1.8	3.3	V
Supply current(Analog)	IDD	-	14.8	-	mA
Input logic high voltage	VIH	0.7VDDI	-	VDDI	V
Input logic low voltage	VIL	0	-	0.3VDDI	V

BACKLIGHT DRIVING CONDITION					
Item	Symbol	Min	Typ.	Max	Unit
Forward current	If	--	120	--	mA
Forward voltage	Vf	2.9	--	3.3	V