



GENERAL INFORMATION		
Item	Contents	Unit
LCD Size	2.4	Inch
Resolution	240RGB x 320dots	---
Pixel pitch (W x H)	0.153 x 0.153	mm
Active area (W x H)	36.72 x 48.96	mm
Viewing area (W x H)	37.42 x 49.78	mm
LCM outline (W x H x T)	42.72 x 60.26 x 3.40	mm
Display mode	IPS,NB	---
View angle(L/R/U/D)	80/80/80/80	Degree
TFT Driver IC	ST7789V-G4-A	---
Interface Type	MCU	---
Color depth	262	K
LCM brightness	MIN 330	Cd/m ²
With/Without tp	With RTP	---
TFT Power consumption	TBD	mw
BL Power consumption	TBD	mw
Operation Temperature	-20~70	°C
LED life time	30,000	Hrs

CN1 INTERFACE DESCRIPTION			
No.	SYMBOL	I/O	Description
1	GND		System ground.
2	RS		Display data/command Selection Pin in MCU Interface.
3	CS		Chip selection pin.
4	SCL		Serial communication clock input.
5	SDI		Serial communication data input.
6	RES		This signal will reset the device and must be applied to properly initialize the chip. Signal is active low.
7	VDD		Power Supply for Logic.
8	GND		System ground.
9	LEDA		LED power anode.
10	LEDK		LED power cathode.

ELECTRICAL CHARACTERISTICS					
Item	Symbol	Min	Typ.	Max	Unit
Power supply voltage	VDD	2.5	2.8	3.3	V
Input signal high voltage	VIH	0.8VDD	---	VDD	V
Input signal low voltage	VIL	VSS	---	0.3VDD	V

CN2 INTERFACE DESCRIPTION			
No.	SYMBOL	I/O	Description
1	YU		Touch panel Top Film Terminal
2	XL		Touch panel LEFT Glass Terminal
3	YD		Touch panel Bottom Film Terminal
4	XR		Touch panel Right Glass Terminal

BACKLIGHT DRIVING CONDITION					
Item	Symbol	Min	Typ.	Max	Unit
Forward current	If	72	80	88	mA
Forward voltage	Vf	2.8	3.2	3.4	V