



Parameter	Specification	Unit	Pin No.	Symbol	I/O	Description
LCD size	3.97 (Diagonal)	inch	1	LEDA	P	LED Power Anode.
Resolution Ratio	480(H)x800(V)	pixels	2-3	LEDK	P	LED Power Cathode.
Pixel Pitch	0.108(H)x0.108(V)	mm	4	GND	P	Power Ground
Active Area	51.84(H)x86.4(V)	mm	5	VDD	P	Power supply 2.8V.
Module Size	57.14(W)x96.85(H)x2.15(D)	mm	6	RESET	I	Global reset. Active low, Internal pull high.
Display Mode	Normally Black, Transmissive		7-8	NC	-	No connection
Interface	RGB/SPI		9	SDA	I	Serial communication data input.
Pixel arrangement	RGB-Vertical Stripe		10	SCK	I	Serial communication clock input.
View Direction	ALL	O'clock	11	CS	I	Serial communication chip selection.
Power Supply	2.8	V	12	PCLK	I	Clock input pin.
Power Consumption	TBD	W	13	DE	I	Data enable signal input.
Weight	TBD	g	14	VSYNC	I	Vertical sync input.
Luminance	300(Typ.)	cd/m ²	15	HSYNC	I	Horizontal sync input.
Driver IC	ST7701SN		16-33	DB0-DB17	I	DB0-DB5:Blue data, DB6-DB11:Green data, DB12-DB17:Red data.
Operating Temperature	-20~+70	°C	34	GND	P	Power Ground
Storage Temperature	-30~+80	°C	35-39	NC	-	No connection
			40	GND	P	Power Ground

Parameter	Symbol	Min.	Typ.	Max.	Unit
Digital supply voltage	VDD	2.5	2.8	3.6	V
Interface Operation Voltage	VDDI	1.65	1.8	3.3	V
Level input voltage	VIH	0.7VDDI		VDDI	V
	VIL	GND		0.3VDDI	V
Level output voltage	VOH	0.8VDDI		VDDI	V
	VOL	GND		0.2VDDI	V

Parameter	Symbol	Min.	Typ.	Max.	Unit
Forward Current Voltage	VF	21.6	24.0	26.4	V
Forward Current	If	-	20	-	mA
Backlight Power Consumption	Wbl	-	0.48	-	W
LED Lifetime	-	30000	-	-	Hrs