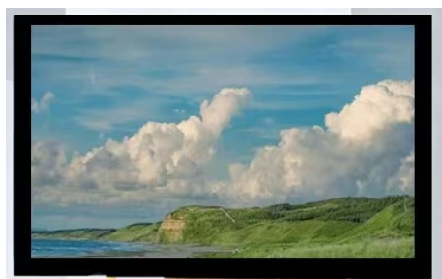


5.0 inch TFT LCD



PROFILE

- Type: IPS TFT/Normal Black
- Display format: 800(RGB)×480
- Controller IC: ST7262
- Interface: LVDS
- Input Voltage: 2.4V~3.3V

FEATURES

NO.	ITEM	SPECIFICATION	UNIT
1	Panel Size	5.0	inch
2	Outline Dimension	120.70(W) x 75.80(H) x 2.85(T) (Excluding FPC)	mm
3	Viewing Area	109.20 x 66.00	mm
4	Active Area	108.00 x 64.80	mm
5	Number of Pixels	800(H) × 3(RGB) × 480(V)	pixels
6	Dot Pitch	0.045×0.135	mm
7	Pixel Pitch	0.135×0.135	mm
8	Pixel arrangement	RGB vertical stripe	-
9	Display Mode	Normal Black	-
10	Viewing Direction	ALL(IPS)	-
11	Display Color	16.7M	-
12	Luminance(cd/m ²)	450(TYP.)	cd/m ²
13	Contrast Ratio	1500(TYP.)	-
14	Interface	LVDS	-
15	Backlight	White LED	-
16	Drive IC	ST7262	-
17	Operation Temperature	-20~70	°C
18	Storage Temperature	-30~80	°C

MECHANICAL DATA		
ITEM	STANDARD VALUE	UNIT
Module Dimension	120.70 x 75.80	mm
Viewing Area	109.20 x 66.00	
Active Area	108.00 x 64.80	
Height	2.85	

ABSOLUTE MAXIMUM RATINGS					
ITEM	SYMBOL	MIN	TYP	MAX	UNIT
Supply Voltage	VDD	-0.3	-	4.0	V
Supply Voltage for logic	VDDI	-0.3	-	4.0	

ELECTRICAL CHARACTERISTICS						
ITEM	SYMBOL	CONDITION	STANDARD VALUE			UNIT
			MIN	TYP	MAX	
Power supply	VCI	Ta =25℃	3.1	-	3.6	V
LED Forward Voltage	Vf	Ta =25℃	16.8	19.6	20.4	V
LED Forward Current	If		-	40	-	mA
Average Brightness	IV	Backlight Current If=40mA	250	300	-	cd/m ²

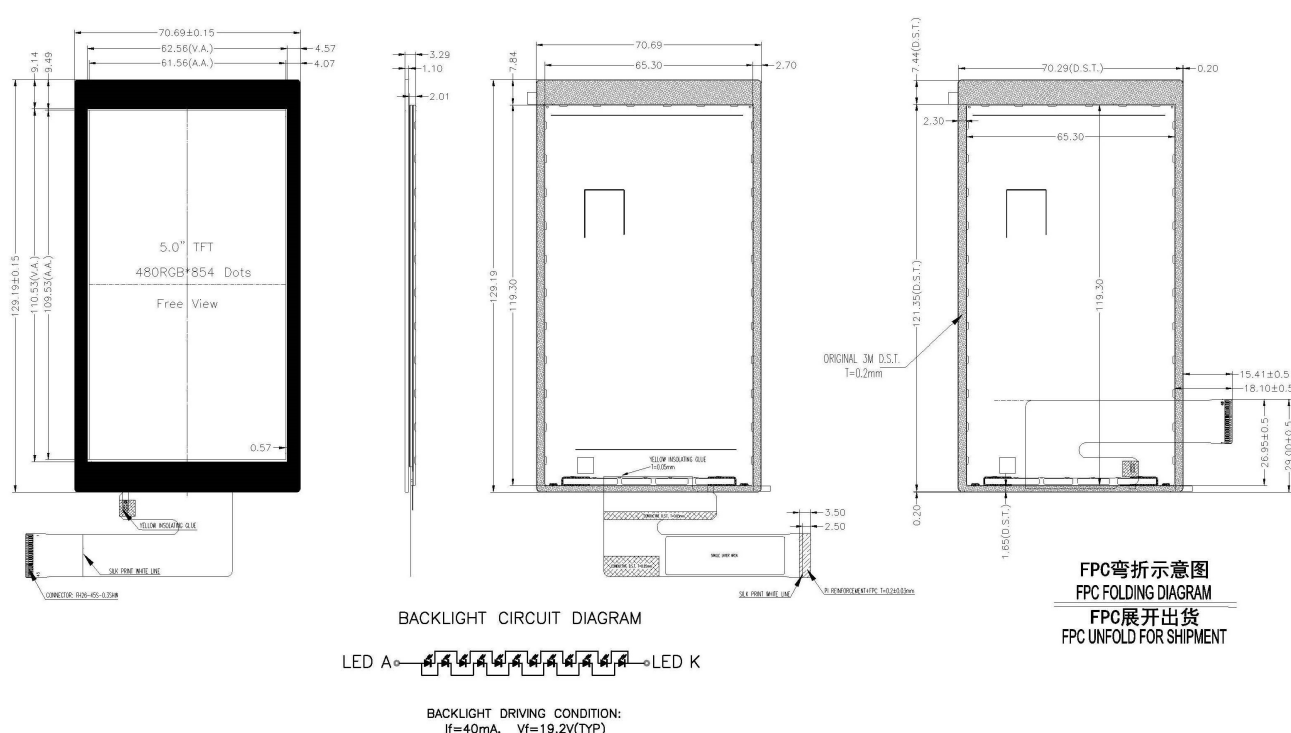
For detailed information, please refer to the “Product Numbering System” document.

PIN DESCRIPTION			
NO.	SYMBOL	I/O	FUNCTION
1	NC	-	No connection
2	VDD	P	Power supply to interface pins
3	VDD	P	Power supply to interface pins
4	NC	-	No Connection
5	RESET	I	Global reset pin
6	STBYB	I	Standby mode
7	GND	P	Power ground pin
8	RXIN0-	I/O	Data lane0 input
9	RXIN0+	I/O	Data lane0 input
10	GND	P	Power ground pin
11	RXIN1-	I/O	Data lane1 input
12	RXIN1+	I/O	Data lane1 input
13	GND	P	Power ground pin
14	RXIN2-	I/O	Data lane2 input
15	RXIN2+	I/O	Data lane2 input
16	GND	P	Power ground pin
17	RXCLKIN-	I/O	CLK input
18	RXCLKIN+	I/O	CLK input
19	GND	P	Power ground pin
20	RXIN3-	I/O	Data lane3 input
21	RXIN3+	I/O	Data lane3 input

22	GND	P	Power ground pin
23	NC	-	No Connection
24	NC	-	No Connection
25	GND	P	Power ground pin
26	NC	-	No Connection
27	NC	-	No Connection
28	NC	-	No Connection
29	NC	-	No Connection
30	GND	P	Power ground pin
31	LED_K	P	Backlight LED Cathode
32	LED_K	P	Backlight LED Cathode
33	L/R	I	Horizontal scan direction control.
34	U/D	I	Vertical scan direction control.
35	NC	-	No Connection
36	NC	-	No Connection
37	NC	-	No Connection
38	NC	-	No Connection
39	LED_A	P	Backlight LED Anode
40	LED_A	P	Backlight LED Anode

I/O: I: input, O: output, P: power

DIMENSIONS in millimeters



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