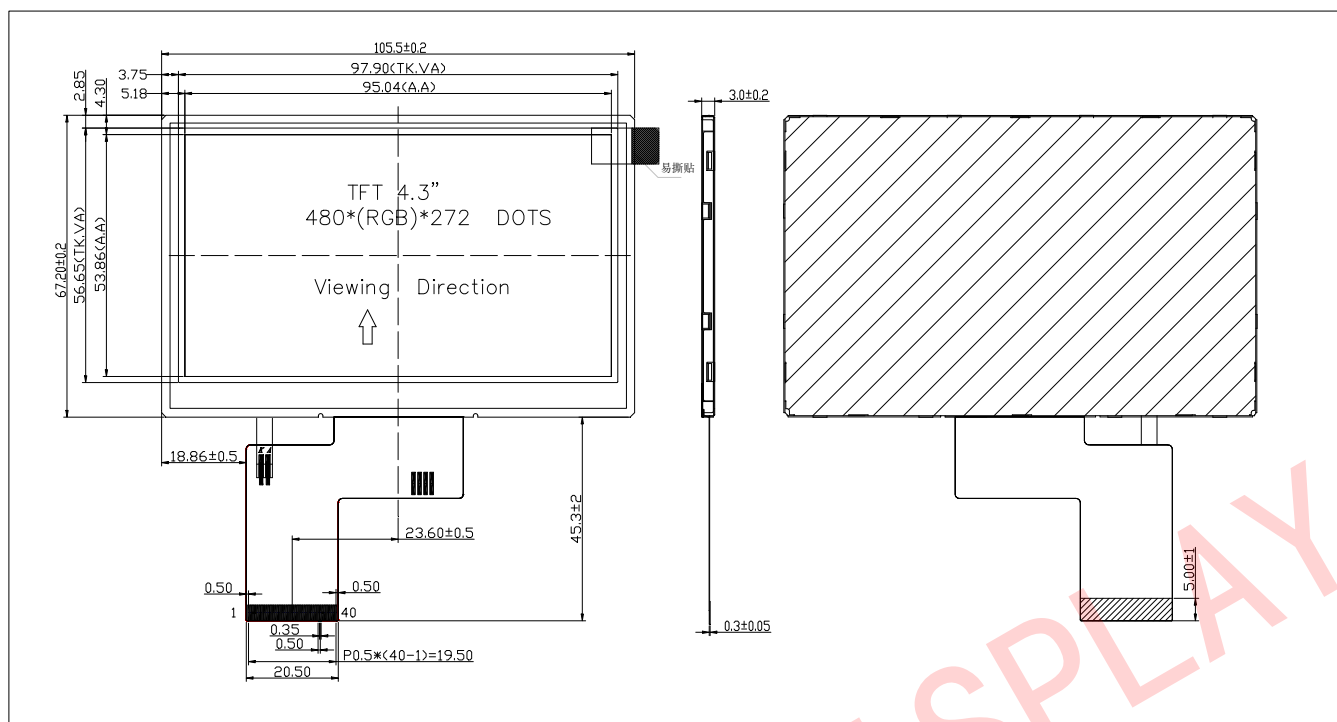




Pin Connections

Pin No.	Symbol	I/O	Function
1	VLED-	P	Power for LED backlight cathode
2	VLED+	P	Power for LED backlight anode
3	GND	P	Ground
4	VCC	P	Power supply voltage
5	R0	I	Red data (LSB)
6	R1	I	Red data
7	R2	I	Red data
8	R3	I	Red data
9	R4	I	Red data
10	R5	I	Red data
11	R6	I	Red data
12	R7	I	Red data (MSB)
13	G0	I	Green data (LSB)
14	G1	I	Green data
15	G2	I	Green data
16	G3	I	Green data
17	G4	I	Green data
18	G5	I	Green data
19	G6	I	Green data
20	G7	I	Green data (MSB)
21	B0	I	Blue data (LSB)

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22	B1	I	Blue data
23	B2	I	Blue data
24	B3	I	Blue data
25	B4	I	Blue data
26	B5	I	Blue data
27	B6	I	Blue data
28	B7	I	Blue data (MSB)
29	GND	P	Ground
30	DCLK	I	Clock signal
31	DISP	I	Display on/ off
32	HSYNC	I	Horizontal sync input in RGB mode
33	VSYNC	I	Vertical sync input in RGB mode
34	DE	I	Data enable
35	NC	-	No connect
36	GND	P	Ground
37-40	NC	-	No connect

I/O: I:Input O: Output P: Power

Basic Specifications

Item	Specification
Size	4.3 inch
Input Signals	RGB
Resolution	480 × 3(RGB) × 272
Display mode	Normally White,Negative
Viewing direction	6 o'clock
Active area	95.04(H) X 53.86(V) mm
Outline dimensions	105.5(H) X 67.2(V) X 3.0(D) mm
Driver IC	ST7282
Connector	FPC
Operation voltage	3.3V
Operation Temperature	-20 °C ~70 °C
Storage Temperature	-30 °C ~ 80 °C

DC Electrical Characteristics&Backlight Driving Conditions

Parameters	Symbol	Values			Unit
		Min.	Typ.	Max.	
Power for Circuit Driving	VCC	3.2	3.3	3.5	V
Logic Input Voltage	VIL	0	-	0.2VDD	V
	VIH	0.8VDD		VDD	V
Logic Output Voltage	VOL	0		0.1VDD	V
	VOH	0.9VDD	-	VDD	V

Optical Specifications

Item		Symbol	Condition	Min.	Typ.	Max.	Unit
View Angles	Ver.	θT	CR≥10	40	50	-	Degree
		θB		60	70	-	
	Hor.	θL		60	70	-	
		θR		60	70	-	
Contrast Ratio		CR	θ=0°	400	500	-	
Response Time		TON	25°C	-	4	-	ms
		TOFF		-	11	-	
Chromaticity	White	x	Backlight is on	0.25	0.30	0.35	
		y		0.26	0.31	0.36	
	Red	x		0.54	0.59	0.64	
		y		0.29	0.34	0.39	
	Green	x		0.29	0.34	0.39	
		y		0.54	0.59	0.64	
	Blue	x		0.12	0.17	0.22	
		y		0.05	0.10	0.15	
Luminance		L		200	270	--	cd/m2

Note:1. VCC=3.3V, IL=40mA(Backlight current),the ambient temperature is 25°C.

2. Color Of CIE Coordinate: According to below specification:

	x	y
white	±0.05	±0.05
Red	±0.05	±0.05
Green	±0.05	±0.05
Blue	±0.05	±0.05

Drive LCD under normal condition, 25°C, $\Phi=0$, $\theta=0$.