






IPS TFT LCD Display

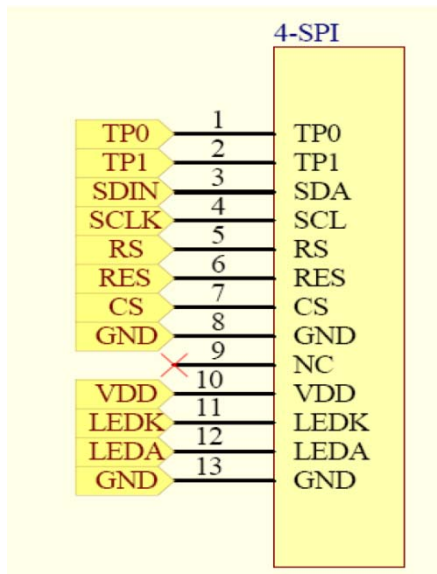
IPS (In-Plane Switching) TFT LCD display modules has same basic structure as traditional TFT but it offer wide viewing angle and quicker response time.

For a regular TFT, view angle is fixed and image can get blurriness of viewed from wider or different angle. In IPS TFT LCD, same image can be viewed from different angles without blurriness.

Inch	Display Format	Model No.	Outline Dimension (mm)	Active Area (mm)	Typ. Brightness (module surface, cd/m ²)	View Angle	Interface	IC Part No. or Compatible with Controller	Download Flyer
0.96	80x160	BTF0096A- GHN\$	13.5x27.95x1.5	10.8x21.7	400	All	SPI	ST7735S	
2,0	240x320	BTF020A-JBN\$	35.7x51.2x2.4	30.6x40.8	250	ALL	Parallel / SPI	ST7789V	
4,3	480x272	BTF043C-AUN\$	105.5x67.2x2.92	95.04x53.86	550	ALL	RGB	SC7283	

● Interface Pin Function

NO.	Symbol	Description
1	TP0	Touch Pin, If not used, please open this pin.
2	TP1	Touch Pin, If not used, please open this pin.
3	SDA	SPI interface input/output pin.
4	SCL	This pin is used to be serial interface clock.
5	RS	Display data/command selection pin in 4-line serial interface.
6	RESET	This signal will reset the device, Signal is active low.
7	CS	Chip selection pin, Low enable, High disable.
8	GND	Power Ground.
9	NC	No Connect.
10	VDD	Power Supply for Analog
11	LEDK	LED Canthode
12	LEDA	LED Anode
13	GND	Power Ground.



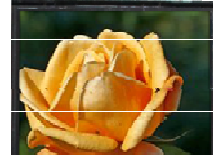
● Electrical Characteristics

Parameter	Symbol	Min	TYP	MAX	Unit	Notes
Voltage for LED backlight	V_{bL}	2.9	3.0	3.1	V	
Supply Voltage for Logic	VDD	2.5	2.8	3.3	V	
Interface Operation Voltage	VDDIO	1.65	1.8	3.3	V	
Gate Driver High Voltage	VGH	10	-	15	V	
Gate Driver Low Voltage	VGL	-13	-	-7.5	V	
Operating Current for V_{DD}	I_{DD}	--	2	3	mA	
Current for LED backlight	I_{bL}	15	-	20	mA	1 LED
Brightness	L_{br}	350	400	--	cd/m ²	
Sleep In Mode VDD	I_{dd}	--	15	30	uA	
Sleep In Mode VDDIO	I_{ddio}	--	5	10	uA	



[go back to the list](#)

BTF020A-JBN\$



***we are currently working on this flyer
comming soon***



BTF043C-AUN\$

● Feature

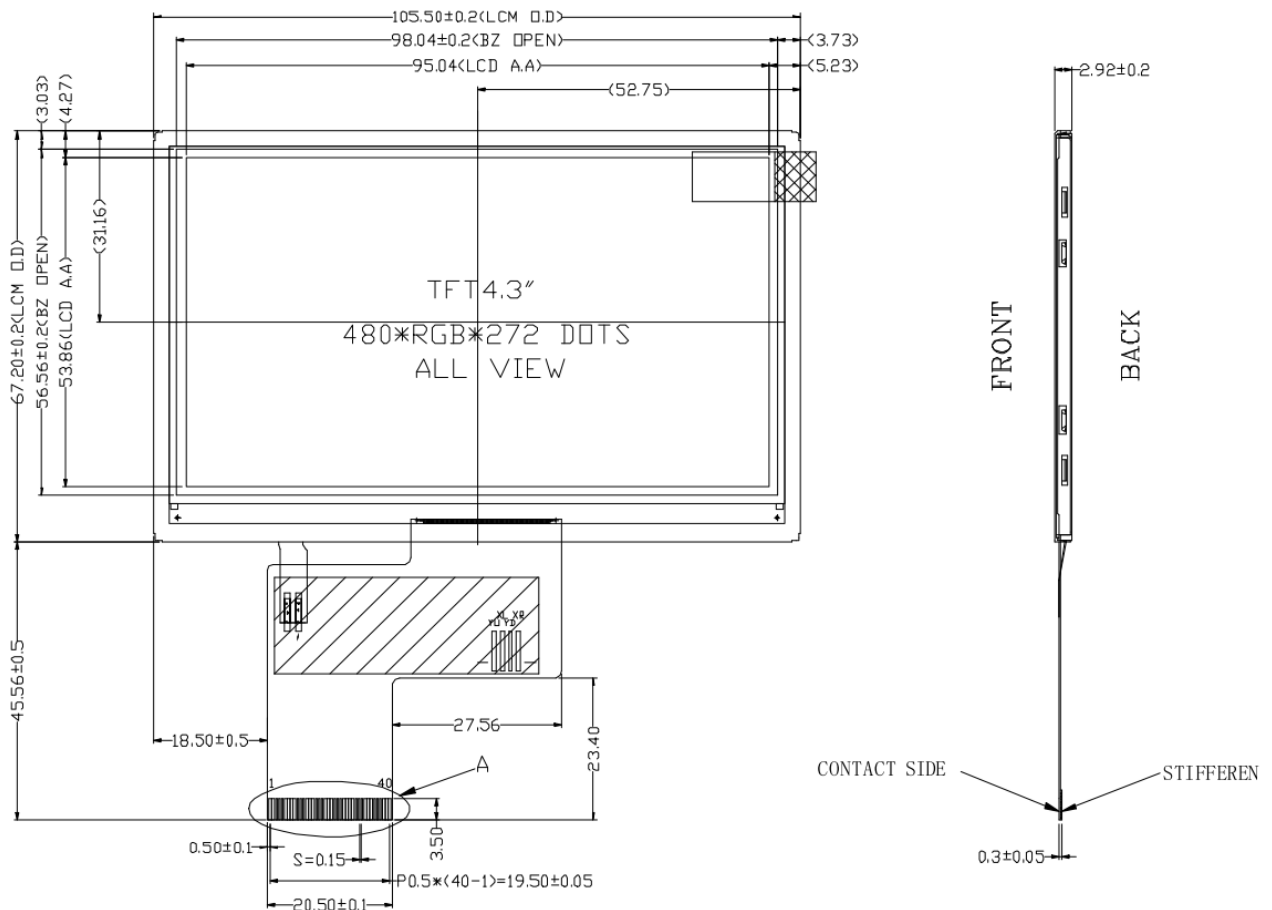
1. 4.3" TFT LCD
2. Resolution:480*272
3. Display Type:TFT/Normally/Black/Transmissive
4. Interface Type: 24-BIT RGB
5. Drive IC:SC7283
6. Surface Luminance:550cd/m²
7. Viewing Angle:All View Direction
8. Top:-30°C~85°C



● Mechanical Data

1. Module (WxHxT)(mm):105.5*67.2*2.92
2. Active Area(mm):95.04*53.86
3. LED Numbers:10 LEDs

● Mechanical Drawing



● Interface Pin Function

Pin No.	Symbol	Description
1	VLED-	Cathode of LED backlight
2	VLED+	Anode of LED backlight
3	GND	Power ground
4	VDD	Power voltage
5	R0	Red data (LSB)
6	R1	Red data
7	R2	Red data
8	R3	Red data
9	R4	Red data
10	R5	Red data
11	R6	Red data
12	R7	Red data (MSB)
13	G0	Green data (LSB)
14	G1	Green data
15	G2	Green data
16	G3	Green data
17	G4	Green data
18	G5	Green data
19	G6	Green data
20	G7	Green data(MSB)
21	B0	Blue data(LSB)
22	B1	Blue data
23	B2	Blue data
24	B3	Blue data
25	B4	Blue data
26	B5	Blue data
27	B6	Blue data
28	B7	Blue data(MSB)
29	GND	Power ground
30	DCLK	Pixel clock
31	DISP	Display on/off
32	HSYNC	Horizontal sync signal
33	VSYNC	Vertical sync signal
34	DE	Data enable
35	NC	NO connect
36	GND	Power ground
37	NC	NO connect
38	NC	NO connect
39	NC	NO connect
40	NC	NO connect

● Electrical Characteristics

Item	Symbol	Min	Typ.	Max	Unit	Applicable terminal
Supply Voltage for Analog	VDD	3.0	3.3	3.6	V	
Supply Voltage for Logic	VDD	3.0	3.3	3.6	V	
Input Voltage	V _{IL}	GND	-	0.3VDD	V	
	V _{IH}	0.7 VDD	-	VDD		
Input leakage Current	I _{LKG}	-1		1	μA	