

BTF0096A-GHN\$



● Feature

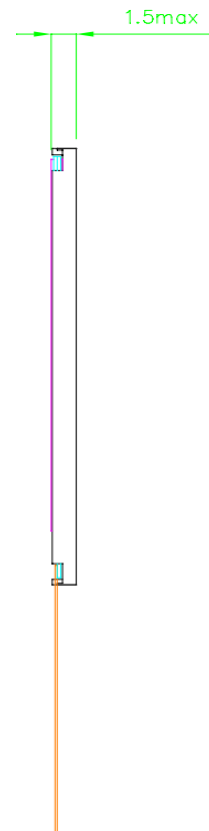
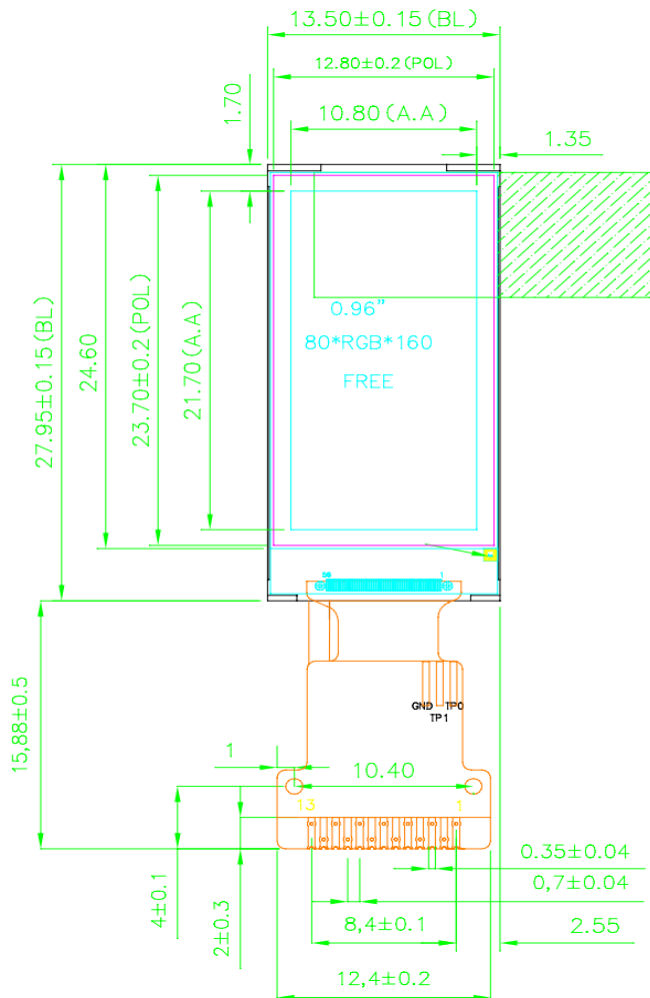
1. 0.96" TFT LCD
2. Resolution:80(H)RGB*160(V)
3. Display Type:TFT/Transmissive/Normal Black
4. Interface Type:4 line SPI
5. Drive IC:ST7735S
6. Surface Luminance:400cd/m²
7. Viewing Direction:ALL
8. Top:-20°C~70°C

● Mechanical Data

1. Module(WxHxT)(mm):13.5*27.95*1.5
2. Active Area(mm):10.8*21.7
3. LED Numbers:1 LED

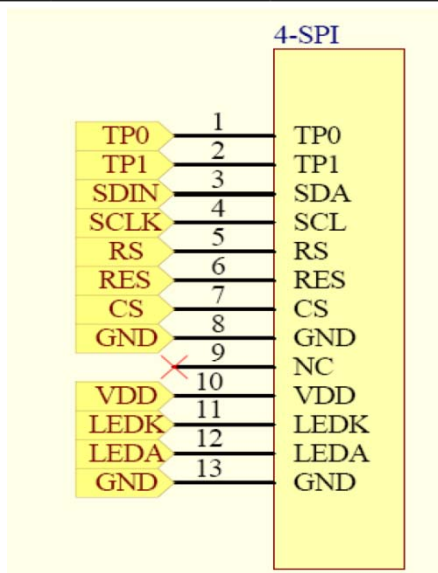


● Mechanical Drawing



● 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	