

4. General Specifications

It is a color active matrix TFT (Thin Film Transistor) liquid crystal display (LCD) that uses the amorphous silicon TFT as a switching devices. This model is composed of a Transmissive type TFT-LCD Panel, a driver circuit and a back-light unit.

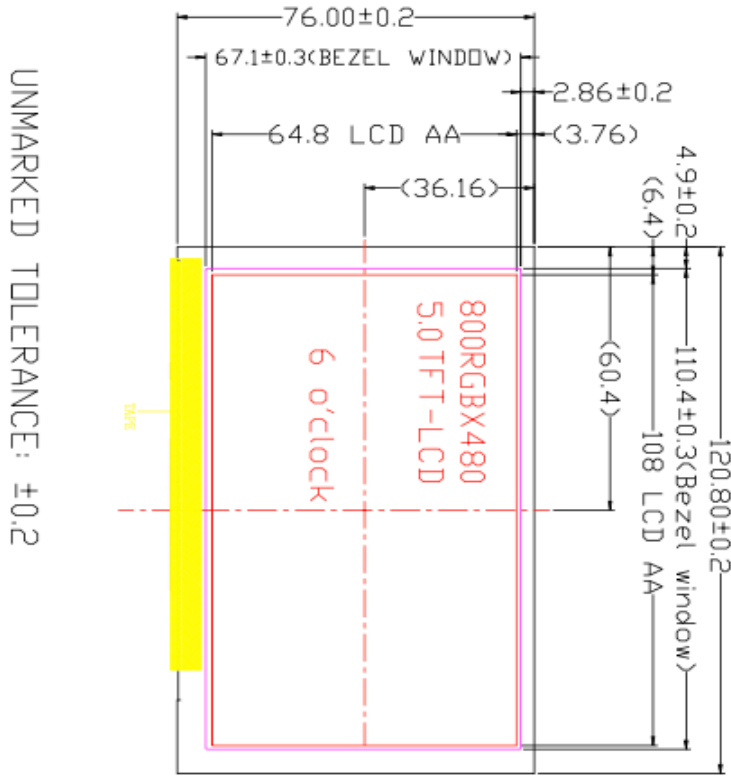
4.1 Features

- High image quality a-Si TFT LCD module.
- High contrast, high brightness
- Low power consumption.

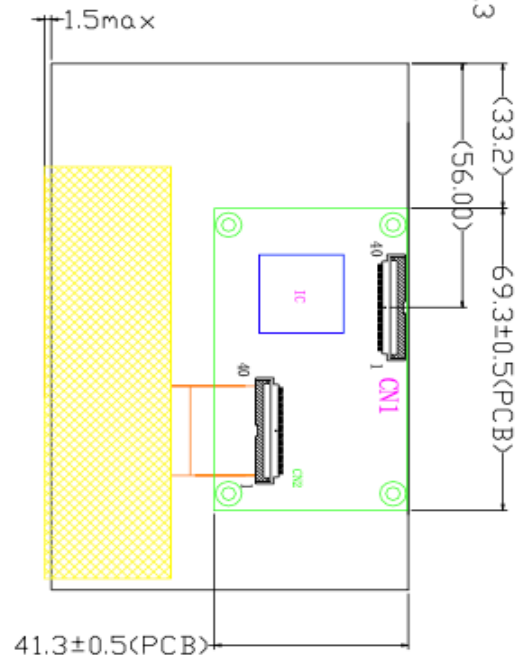
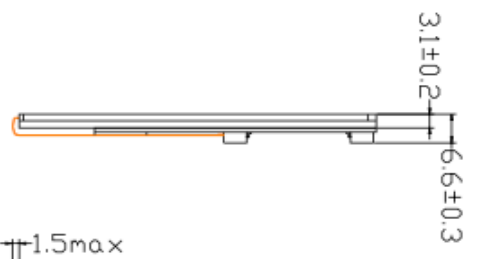
4.2 General Specifications

Item	Standard Value	Unit
Screen Size	5.0	Inch
Dot Matrix	800(RGB)*480	-
Module Dimension	120.8(W)*76.0(H)*6.6(T) with PCB and component	mm
Active Area	108.0(W)*64.8(H)	mm
LCD Type	a-Si TFT, Transmissive, TN, Normally White	-
Color Arrangement	RGB-stripe	-
Eyes Viewing Direction	6 O'CLOCK	-
Backlight type	12 White LED	-
Assembly Type	COG	-
Driver IC	RA8875	-
Weight	TBD	-

Mechanical Drawing and Interface



UNMARKED TOLERANCE: ± 0.2



5.1 Interface Pin Description

NO	SYMBOL	FUNCTION
1	LEDA	Power supply for backlight anode
2	LEDK	Power supply for backlight cathode
3	NC	No connection
4	UD	Up/Down Selection
5	LR	Left/Right Selection
6	SCL	SPI clock
7	SDI	IIC data/4-wire SPI data input
8	SDO	3-wire SPI data/4-wire SPI data output
9	SCS#	SPI chip select
10	GND	I/O ground signal
11	SIFS1	Serial interface selection
12	SIFS0	
13	PS	Parallel/serial interface select input
14	IICA1	IIC interface:IIC address select
15	IICA0	
16	VCC	Power supply
17	RD# (EN)	Enable/Read enable
18	WR#(RW#)	Write/Read-write
19	CS#	Chip select input
20	RS	Command/Data select input
21	C86	MCU interface select
22~37	D15~D0	Data bus pin
38	WAIT#	Wait signal output
39	INT#	Interrupu signal output
40	RST#	L:Reset Pin