Application

This specification is applied to the 7 inch WVGA supported TFT-LCD module, and can display true 262,144 colors(6 bit/ color). The module is designed for OA, Car TV application and other electronic products which require flat panel display of digital signal interface. This module is composed of a 7"TFT-LCD panel, a driver circuit and backlight unit.

Features

- WVGA (800×480 pixels) resolution.
- Digital 18 bit parallel RGB.
- Dot inversion mode with stripe type.

General Specifications

Item	Specifications	Unit
Screen Size	7 (Diagonal)	inch
Display Format	800RGB(H)×480(V)	dot
Active Area	152.4(H)×91.44(V)	mm
Dot Size	0.0635(H)×0.1905(V)	mm
Pixel Configuration	RGB Vertical Stripe	-
Display Mode	TN Type Transmissive Mode Normally White	-
Surface Treatment	Anti-Glare	-
Viewing Direction	6 O'clock (The Gray Inversion will appear at this direction)	-
Outline Dimension	166.6(W)×107.0(H)×10.0(D)	mm
Weight	(161)	g

Represented by:

first FC components

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10. Input / Output Terminals Pin Assignment

10.1 TFT-LCD Module

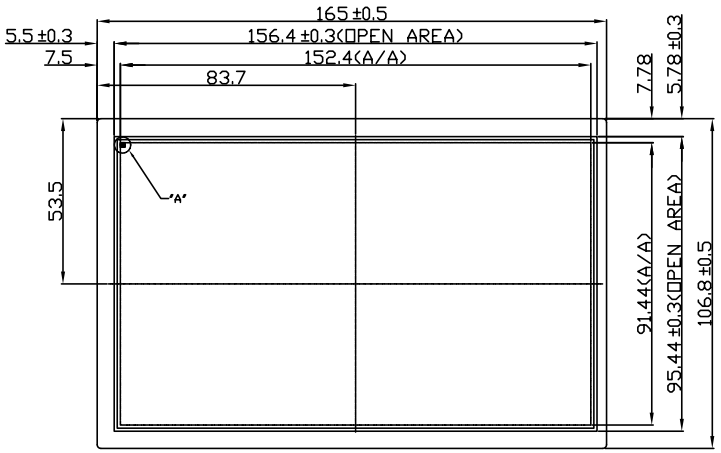
Pin No.	Symbol	I/O	Description
1	VCC	I	+3.3V power supply
2	VCC	I	+3.3V power supply
3	VCC	I	+3.3V power supply
4	VCC	I	+3.3V power supply
5	NC	I	No Connect
6	DTMG	I	Display Timing
7	VSS	I	Ground
8	NC	I	No Connect
9	VSS	I	Ground
10	NC	I	No Connect
11	VSS	I	Ground
12	B5	I	Blue data(MSB)
13	B4	I	Blue data
14	B3	I	Blue data
15	VSS	I	Ground
16	B2	I	Blue data
17	B1	I	Blue data
18	B0	I	Blue data(LSB)
19	VSS	I	Ground
20	G5	I	GREEN data(MSB)
21	G4	I	GREEN data
22	G3	I	GREEN data
23	VSS	I	Ground
24	G2	I	GREEN data
25	G1	I	GREEN data
26	G0	I	GREEN data(LSB)
27	VSS	I	Ground
28	R5	I	RED data(MSB)
29	R4	I	RED data
30	R3	I	RED data

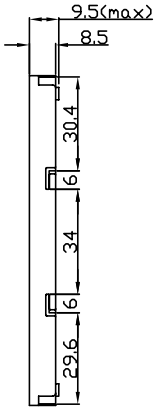
Pin No.	Symbol	I/O	Description
31	VSS	I	Ground
32	R2	I	RED data
33	R1	I	RED data
34	R0	I	RED data (LSB)
35	NC	I	No Connect
36	VSS	I	Ground
37	VSS	I	Ground
38	DCLK		Dot Clock
39	VSS	I	Ground
40	VSS	I	Ground

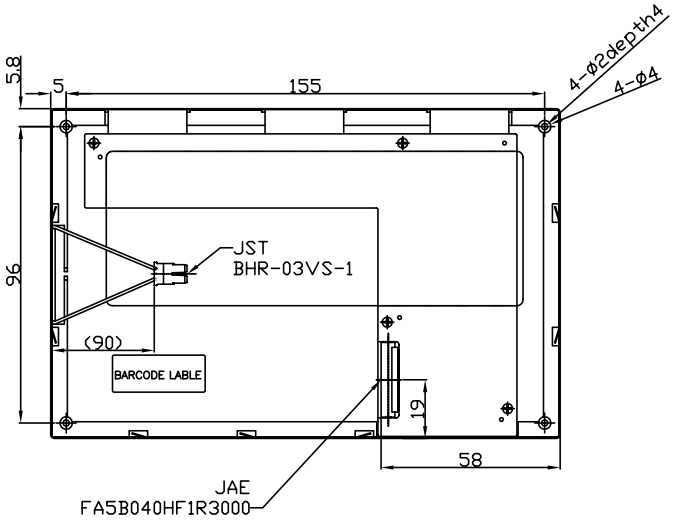
10.2 Backlight Unit

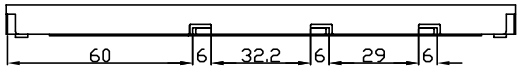
Connector: JST BHSR-02VS-1(N)

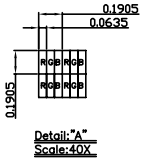
Pin No.	Symbol	I/O	Description	Wire Color
1	VLEDA	I	Backlight LED Anode.	Red
2	VLEDC	I	Backlight LED Cathode.	Black











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