SPECIFICATION

MODULE NO.: WF43BTIBED0#

This product is composed of a TFT LCD panel, driver ICs, FPC, Control Board and a backlight unit. The following table described the features of WF43BTIBED0#

Item	Dimension	Unit
Dot Matrix	480 x RGB x 272(TFT)	dots
Module dimension	105.5x 67.2 x 4.7 (max)	mm
View area	95.04 x 53.856	mm
Dot pitch	0.198 x 0.198	mm
Driving IC package	COG	
LCD type	TFT, Negative, Transmissive	
View direction	6 o'clock	
Backlight Type	LED, Normally White	
Controller IC	SSD1963	

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Electrical Characteristics

Item	Symbol	Values			Unit
		Min	TYP	max	
Operating voltage	VDD	3.0	3.3	3.6	V
Input high voltage	VIH	0.8*VDD	-	VDD	V
Input low voltage	VIL	0	-	0.2*VDD	V
Output high voltage	VOH	VDD-0.3		VDD	V
Output low voltage	VOL	0	-	0.3	V
Current Consumption	IVCI	-	285	-	mA
Power Consumption	PLCD	-	940.5	-	mW

Absolute Maximum Ratings

Item	Symbol	Min	Typ	Max	Unit
Operating Temperature	T_{OP}	-20	—	+70	℃
Storage Temperature	T_{ST}	-30	—	+80	℃
Power Supply Voltage	VDD	-0.3	—	6.0	V

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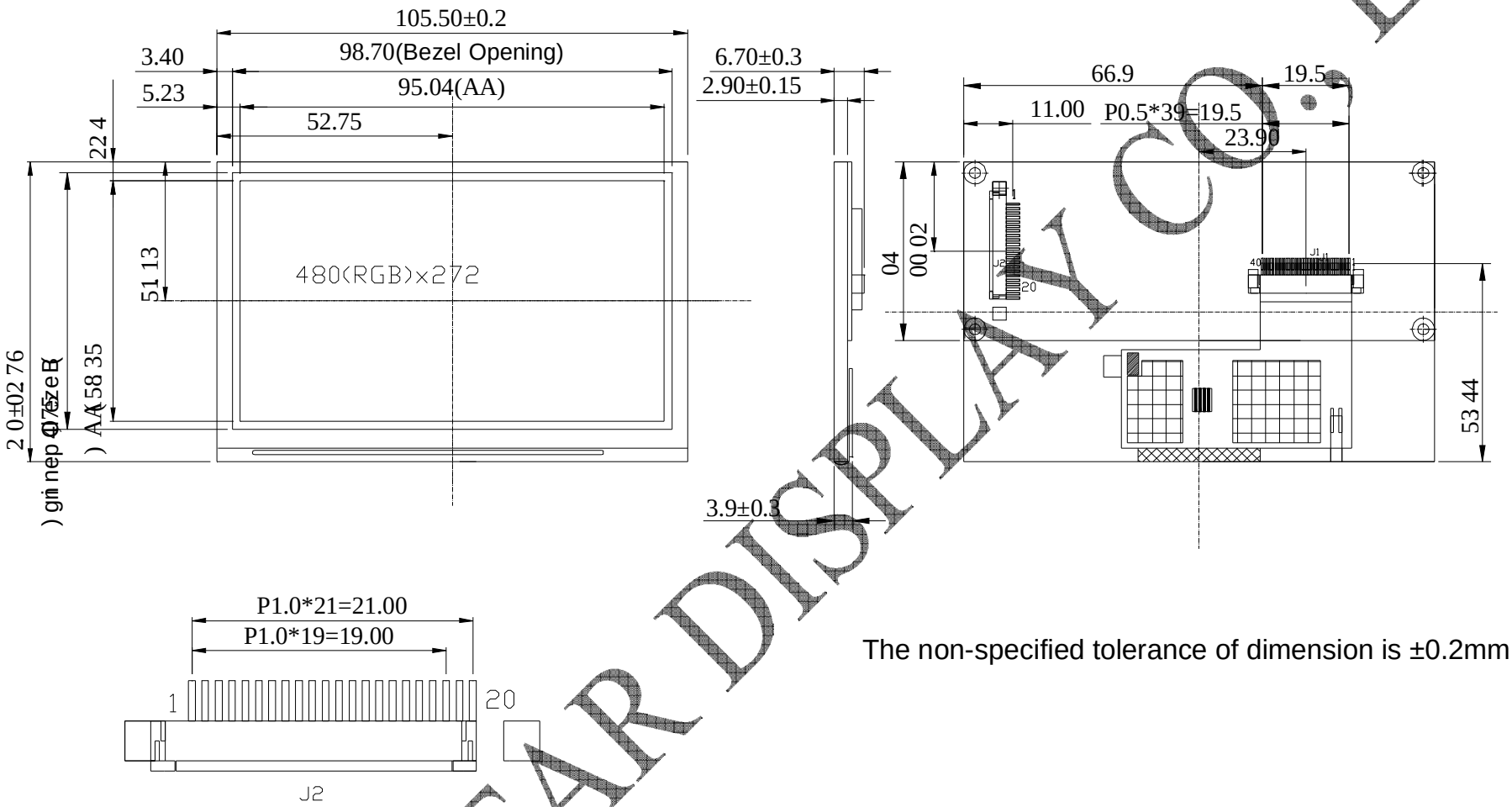
Interface Pin Function

Pins Connection To Control Board

P/N	Symbol	8 BIT Function
1	GND	Ground
2	VDD	Power supply for Logic
3	B\L Enable	Backlight control (H: ON L: OFF)
4	RS	Command/Data select
5	WR	8080 family MPU interface : Write signal
6	RD	8080 family MPU interface: Read signal
7	DB0	Data bus
8	DB1	
9	DB2	
10	DB3	
11	DB4	
12	DB5	
13	DB6	
14	DB7	
15	CS	Chip select
16	RES	REST
17	NC	No connection
18	NC	No connection
19	DISP ON	Display on
20	NC	No connection

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Contour Drawing



PIN	ASSIGNMENT
1	GND
2	VDD
3	B/L Enable
4	RS
5	WR
6	RD
7	DB0
8	DB1
9	DB2
10	DB3
11	DB4
12	DB5
13	DB6
14	DB7
15	CS
16	RES
17	NC
18	NC
19	DISP_ON
20	NC

The non-specified tolerance of dimension is ±0.2mm.

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