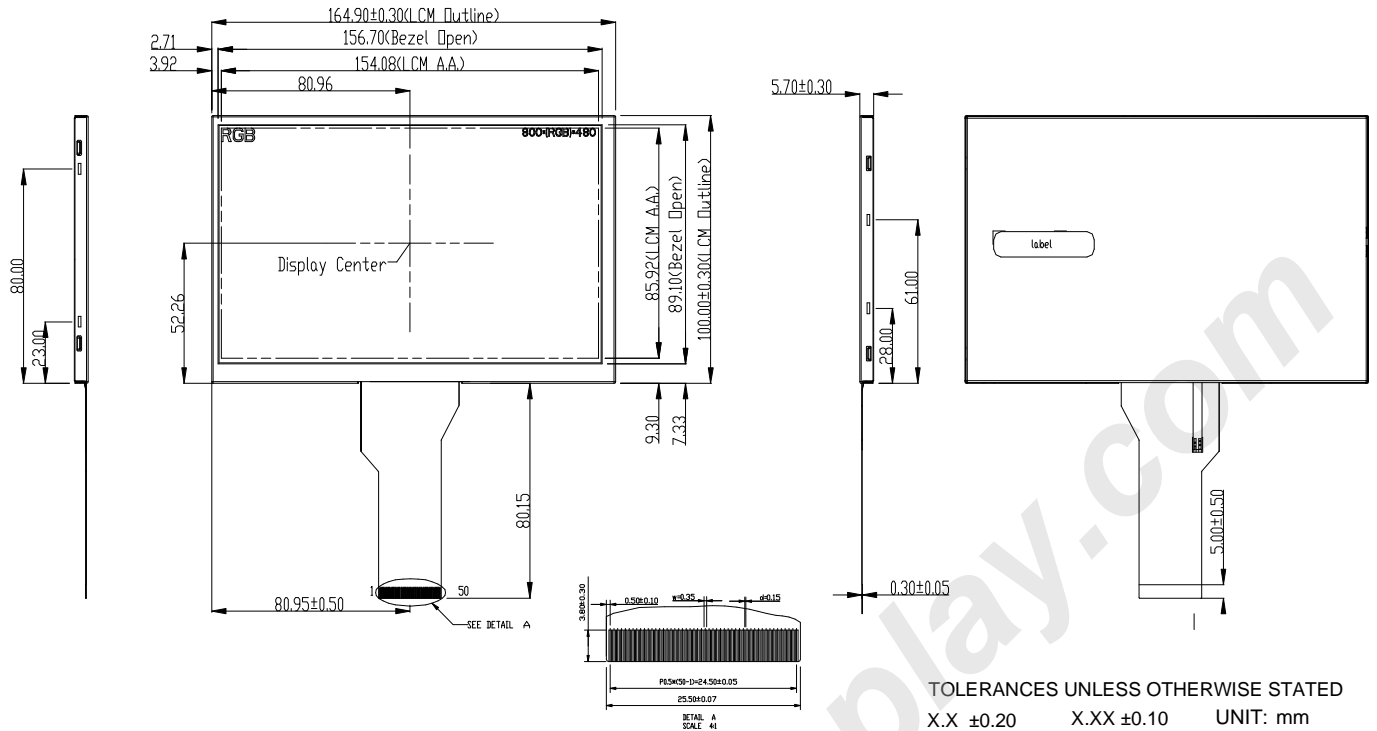


## Dimension Drawing



## Feature:

1. Resolution is 800 (RGB) x 480 Pixel
2. +3.3V power supply
3. Display Mode is TN, Normal White
4. Display color is 16.7M/262K colors
5. Input Interface is RGB 24 bits
6. It could be matched resistive or capacitance touch panel
7. ROHS compliant

## Interface Pin Connections

PIN NO.	Symbol	PIN NO.	Symbol
1	VLED+	26	G1
2	VLED+	27	G0
3	VLED-	28	R7
4	VLED-	29	R6
5	GND	30	R5
6	Vcom	31	R4
7	DVDD	32	R3
8	MODE	33	R2
9	DE	34	R1
10	VS	35	R0
11	HS	36	GND
12	B7	37	DCLK
13	B6	38	GND
14	B5	39	L/R
15	B4	40	U/D
16	B3	41	VGH
17	B2	42	VGL
18	B1	43	AVDD
19	B0	44	RESET
20	G7	45	NC
21	G6	46	VCOM
22	G5	47	DITHB
23	G4	48	GND
24	G3	49	NC
25	G2	50	NC

## Mechanical Data

Item	Standard	Unit
Module dimension	164.9 x 100.0 x 5.7	mm
Active area	154.08 x 85.92	mm
Dots size	0.179 x 0.179	mm
Screen size	7.0 (Diagonal)	inches

## Absolute Maximum Rating

Item	Symbol	Standard			Unit
		Min	Typ	Max	
Supply voltage	DVDD	-0.3	---	5.0	V
Power voltage	AVDD	0.5	---	13.5	

## Electronical Characteristics

Item	Symbol	Condition	Standard			Unit
			Min	Typ	Max	
Input voltage	VCC	+3.0V	3.0	3.3	3.6	V
Viewing angle	θL	9 o'clock	60	70	----	degree
	θR	3 o'clock	60	70	----	degree
	θU	12 o'clock	40	50	----	degree
	θD	6 o'clock	60	70	----	degree
Contrast ratio	CR	Best viewing angle	400	500	----	----
White luminance	ΔL	θ=φ=0°	320	400	----	cd/m <sup>2</sup>
LED forward voltage	VF	25°C	8.7	9.3	9.9	V
LED forward current	IF	25°C Edge	170	180	200	mA
Storage temp.	T <sub>OP</sub>	----	-20	----	80	°C
Operation temp.	T <sub>ST</sub>	----	-30	----	90	°C