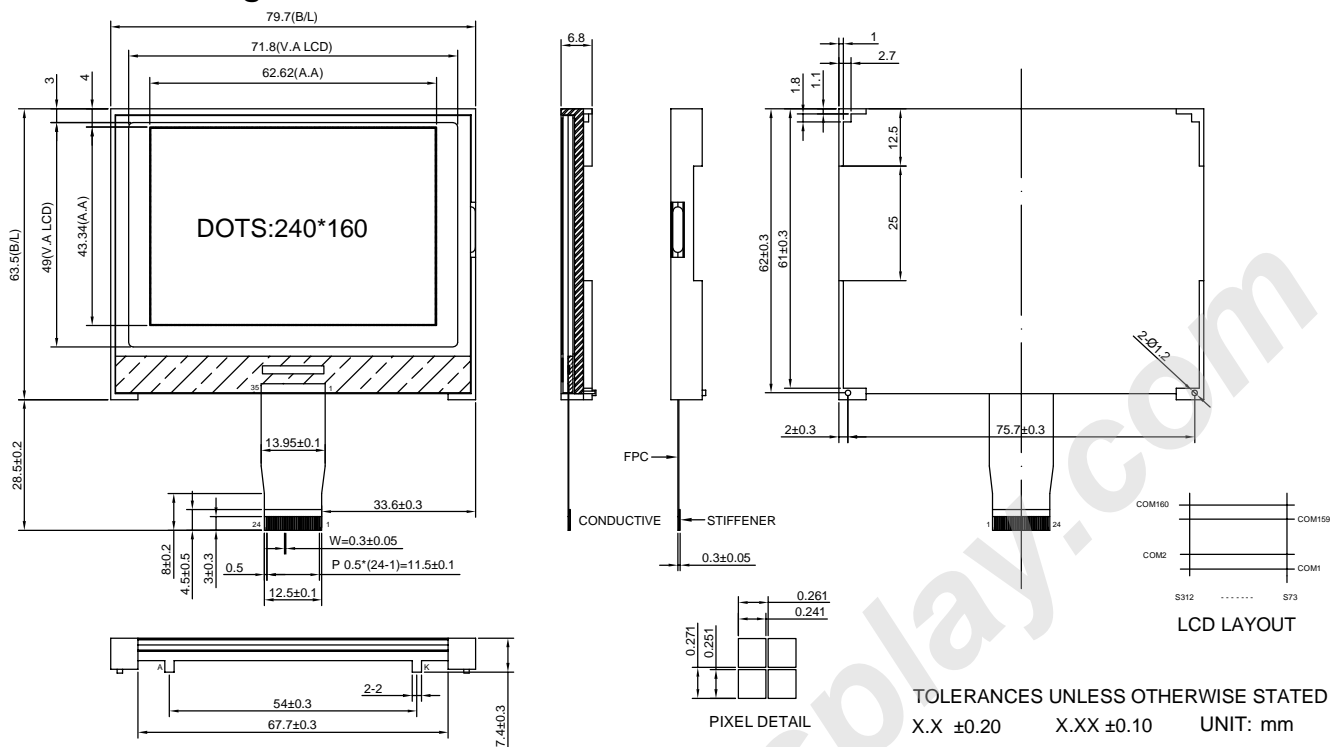


## Dimension Drawing



## Feature:

1. 240 x 160 dots graphic display
2. Built-in controller UC1698U
3. +3.3V power supply
4. 1/160 Duty cycle
5. STN or FSTN Mode
6. Match all kind colors of LED back light
7. ROHS compliant

## Interface Pin Connections

PIN NO.	Symbol	PIN NO.	Symbol
1	VLCD	13	CD
2	VS+	14	E(/RD)
3	VS-	15	RW(/WR)
4	VB0-	16	RST
5	VB1-	17	DB0
6	VB1+	18	DB1
7	VB0+	19	DB2
8	VDD	20	DB3
9	VSS	21	DB4
10	NC	22	DB5
11	BM0	23	DB6
12	CS0	24	DB7

## Mechanical Data

Item	Standard	Unit
Module dimension	79.7 x 63.5	mm
Viewing area	71.8 x 49.0	mm
Dots pitch	0.261 x 0.261	mm
Dots size	0.241 x 0.241	mm

## Absolute Maximum Rating

Item	Symbol	Standard			Unit
		Min	Typ	Max	
Power supply	VDD-VSS	-0.3	---	4.0	V
Input voltage	Vin	-0.4	---	Vdd+0.5	

## Electronical Characteristics

Item	Symbol	Condition	Standard			Unit
			Min	Typ	Max	
Input voltage	VDD	+3.0V	1.8	3.0	3.3	V
Supply current	I <sub>DD</sub>	VDD=3V	----	135	200	uA
Recommended LCD driving voltage for normal temp version module	V5-VDD (VDD=3V)	-20°C	15.3	----	----	V
		0°C	15.0	15.3	----	
		25°C	14.7	16.5	15.3	
		50°C	----	14.7	15.0	
70°C	----	----	14.7			
LED forward voltage	VF	25°C	----	3.1	3.3	V
LED forward current	IF	25°C Edge	----	70	90	mA