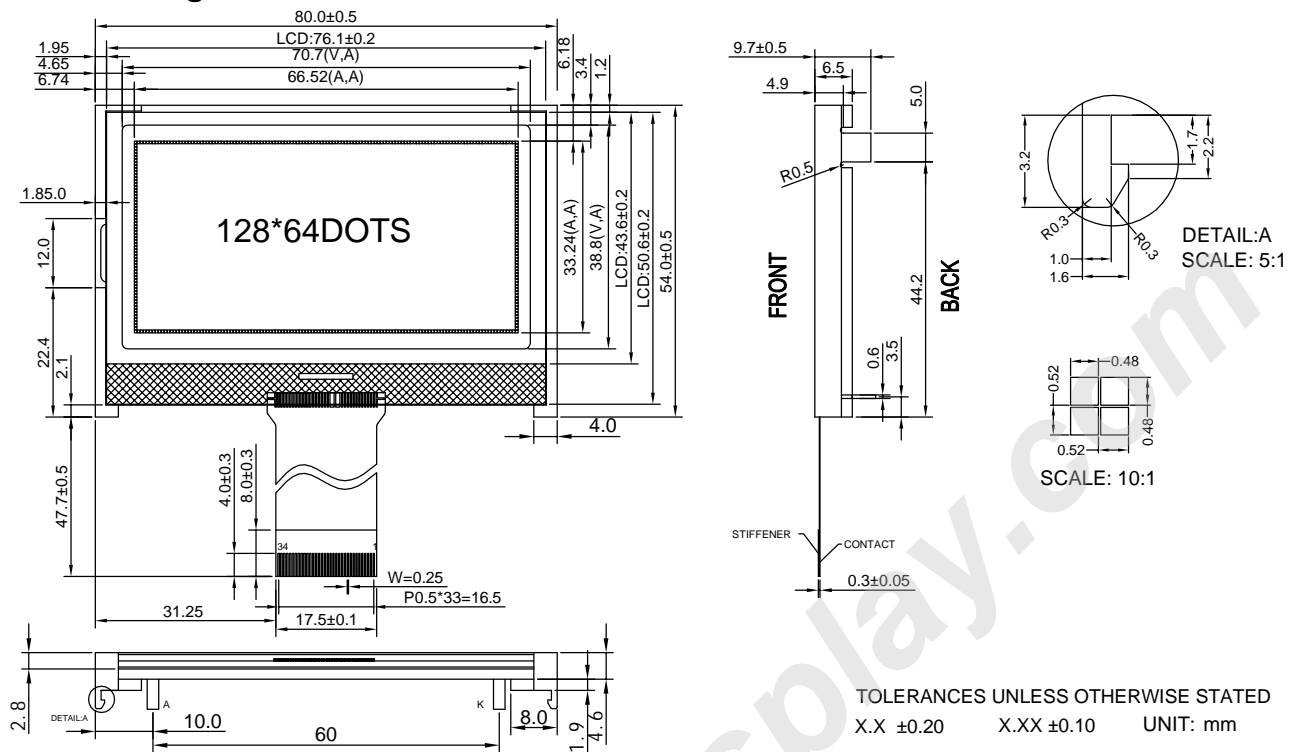


## Dimension Drawing



## Feature:

1. 128 x 64 dots graphic display
2. Built-in controller ST7565P
3. +3.3V power supply
4. 1/64 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	CS1B	18	CAP3-
2	RESETB	19	CAP1+
3	RS	20	CAP1-
4	R/W	21	CAP2-
5	E	22	CAP2+
6	DB0	23	CAP4-
7	DB1	24	VRS
8	DB2	25	V1
9	DB3	26	V2
10	DB4	27	V3
11	DB5	28	V4
12	DB6(SCL)	29	V5
13	DB7(SI)	30	VR
14	VDD	31	C86
15	VSS	32	P/S
16	VOOUT	33	HPM
17	CAP5-	34	IRS

## Mechanical Data

Item	Standard	Unit
Module dimension	80.0 x 54.0	mm
Viewing area	70.7 x 38.8	mm
Dots pitch	0.52 x 0.52	mm
Dots size	0.48 x 0.48	mm

## Absolute Maximum Rating

Item	Symbol	Standard			Unit
		Min	Typ	Max	
Power supply	VDD-VSS	-0.3	---	7.0	V
Input voltage	Vin	0.3	---	Vdd+0.3	

## 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	11.3	----	----	V
		0°C	11.0	11.3	----	
		25°C	10.7	11.0	11.3	
		50°C	----	10.7	11.0	
LED forward voltage	VF	25°C	----	3.1	3.3	V
		25°C Edge	----	80	120	mA