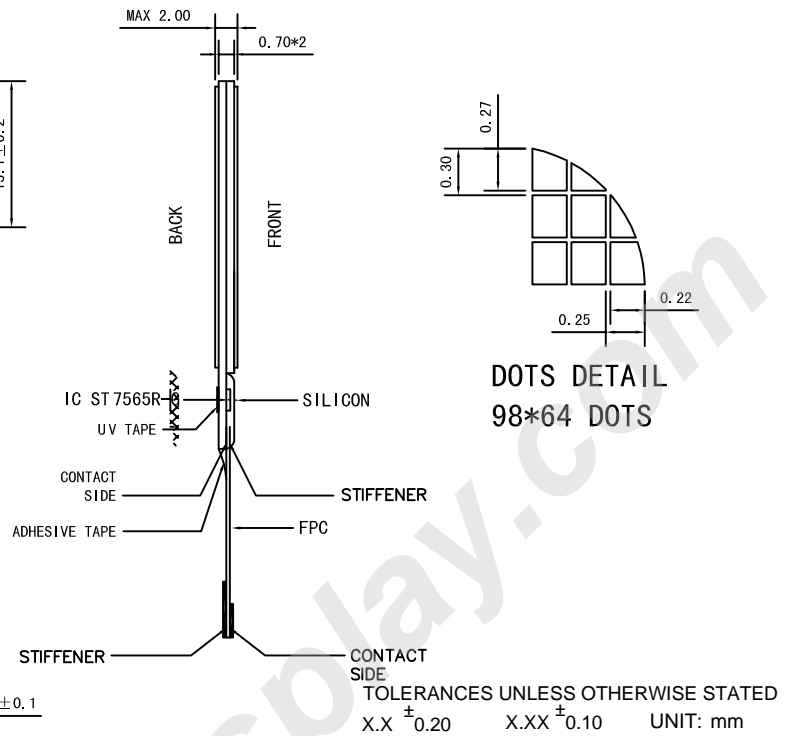
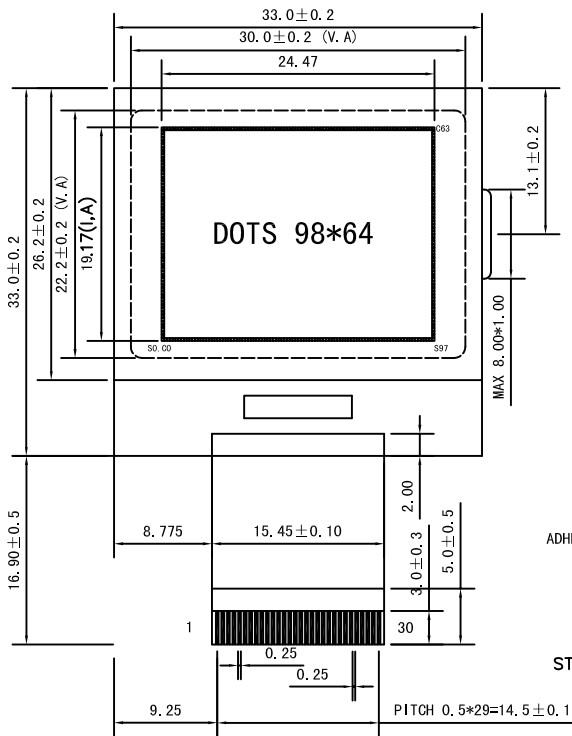


## Dimension Drawing



## Feature:

1. 98 x 64 dots graphic display
2. Built-in controller ST7565R
3. +3.3 V power supply
4. 1/64 Duty cycle
5. STN or FSTN Mode
6. Match all kind colors of LED back light
7. ROHS compliant

## Mechanical Data

Item	Standard	Unit
Module dimension	33.0 x 33.0	mm
Viewing area	30.0 x 22.2	mm
Dots pitch	0.25 x 0.30	mm
Dots size	0.22 x 0.27	mm

## Interface Pin Connections

PIN NO.	Symbol	PIN NO.	Symbol
1	PS	16	VSS
2	C68	17	VDD
3	VR	18	DB7
4	V0	19	DB6
5	V1	20	DB5
6	V2	21	DB4
7	V3	22	DB3
8	V4	23	DB2
9	C2-	24	DB1
10	C2+	25	DB0
11	C1+	26	E-RDB
12	C1-	27	RW-WRB
13	C3+	28	A0
14	NC	29	RST
15	VOUT	30	CS1B

## Absolute Maximum Rating

Item	Symbol	Standard			Unit
		Min	Typ	Max	
Power supply	VDD-VSS	-0.3	---	5.0	V
Input voltage	Vin	0.3	---	18.0	

## 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	----	19	32	uA
Recommended LCD driving voltage for normal temp version module	V5-VDD (VDD=3V)	-20°C	9.8	----	----	V
		0°C	9.6	9.8	----	
		25°C	9.4	9.6	9.8	
		50°C	----	9.4	9.6	
LED forward voltage	V <sub>F</sub>	25°C	----	3.1	3.3	V
LED forward current	I <sub>F</sub>	25°C Edge	----	30	40	mA