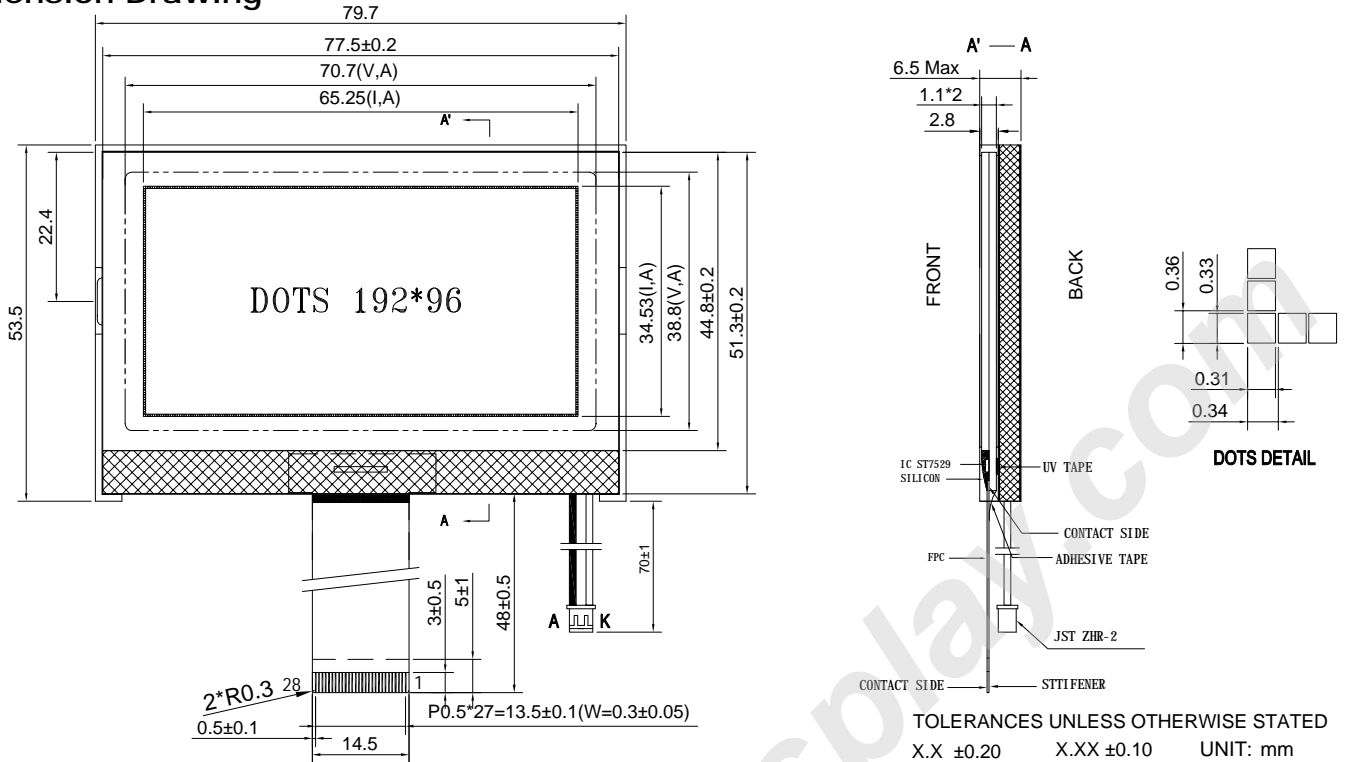


## Dimension Drawing



## Feature:

1. 192 x 96 dots graphic display
2. Built-in controller ST7529
3. +3.3V power supply
4. 1/96 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	A0	15	C1P
2	RST	16	C2P
3	IF3	17	C2N
4	SI	18	C4P
5	SCL	19	C2N
6	XCS	20	C6P
7	VDD	21	VLCDIN
8	VSS	22	VLCDOUT
9	VDDA	23	V4
10	C7P	24	V3
11	C1N	25	V2
12	C5P	26	V1
13	C3P	27	V0OUT
14	C1N	28	V0IN

## Mechanical Data

Item	Standard	Unit
Module dimension	79.7 x 53.5	mm
Viewing area	70.7 x 38.8	mm
Dots pitch	0.36 x 0.36	mm
Dots size	0.33 x 0.33	mm

## Absolute Maximum Rating

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

## Electrical Characteristics

Item	Symbol	Condition	Standard			Unit
			Min	Typ	Max	
Input voltage	VDD	+3.0V	2.4	3.0	3.3	V
Supply current	I <sub>DD</sub>	VDD=3V	----	460	600	uA
Recommended LCD driving voltage for normal temp version module	V5-VDD (VDD=3V)	-20°C	15.6	----	----	V
		0°C	15.3	15.6	----	
		25°C	15.0	15.3	15.6	
		50°C	----	15.0	15.3	
		70°C	----	----	15.0	
LED forward voltage	V <sub>F</sub>	25°C	----	3.1	3.3	V
LED forward current	I <sub>F</sub>	25°C Edge	----	60	80	mA