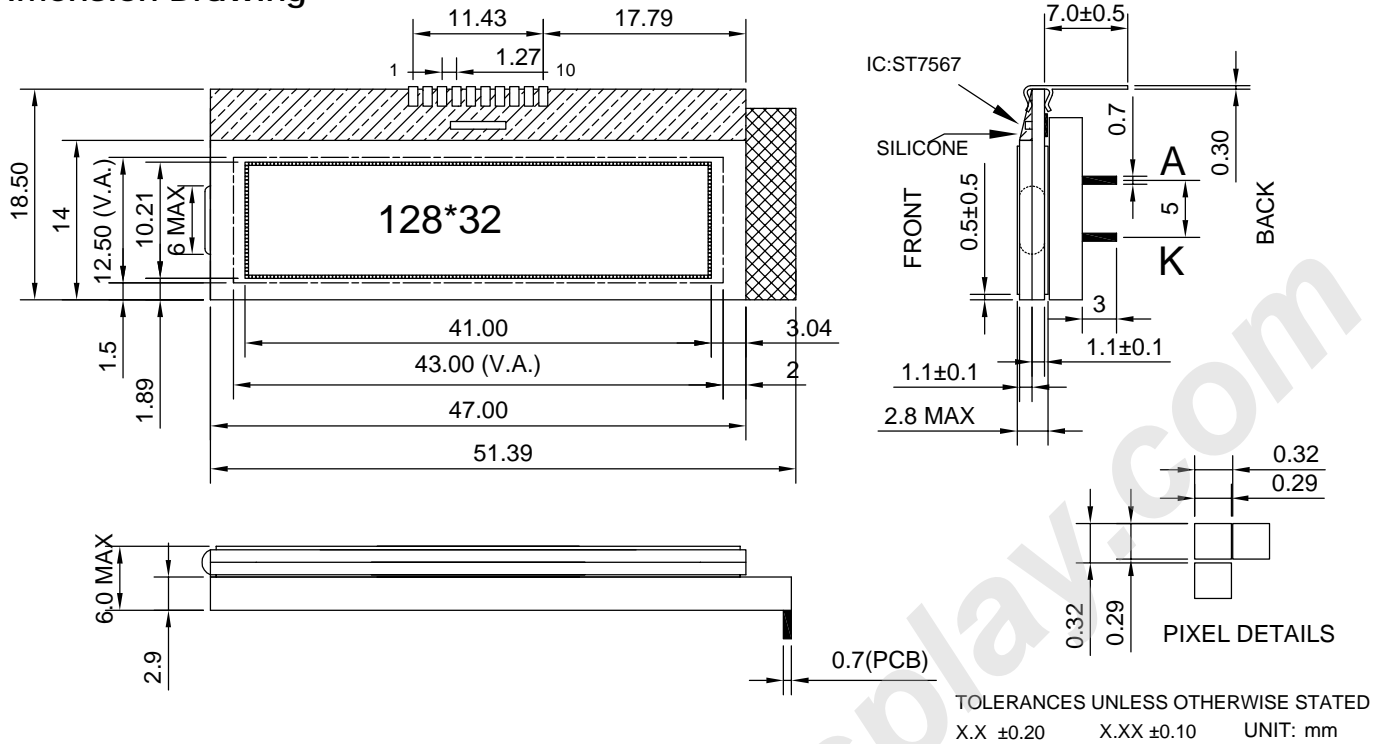


Dimension Drawing



Feature:

1. 128 x 32 dots graphic display
2. Built-in controller ST7567
3. +3.3 V power supply
4. 1/32 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	51.39 x 18.5	mm
Viewing area	43.0 x 12.5	mm
Dots pitch	0.32 x 0.32	mm
Dots size	0.29 x 0.29	mm

Interface Pin Connections

PIN NO.	Symbol	Function
1	CSB	Chip select input pin
2	RSTB	Hardware reset input pin
3	A0	It determines whether the access is related to data or command
4	SCLK	Serial clock input
5	SDA	Serial data input
6	VDD	Digital power
7	VSS	Digital ground
8	VO	VO is the LCD driving voltage for common circuits at negative frame
9	XVO	XVO is the LCD driving voltage for common circuits at positive frame
10	VG	VG is the LCD driving voltage for segment circuits

Absolute Maximum Rating

Item	Symbol	Standard			Unit
		Min	Typ	Max	
Power supply	VDD-VSS	-0.3	---	3.6	V
Input voltage	Vin	0.3	---	16.0	

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	----	10	19	uA
Recommended LCD driving voltage for normal temp version module	V5-VDD (VDD=3V)	-20°C	6.8	----	----	V
		0°C	6.5	6.8	----	
		25°C	6.2	6.5	6.8	
		50°C	----	6.2	6.5	
LED forward voltage	VF	25°C	----	3.1	3.3	V
LED forward current	IF	25°C Edge	----	30	40	mA