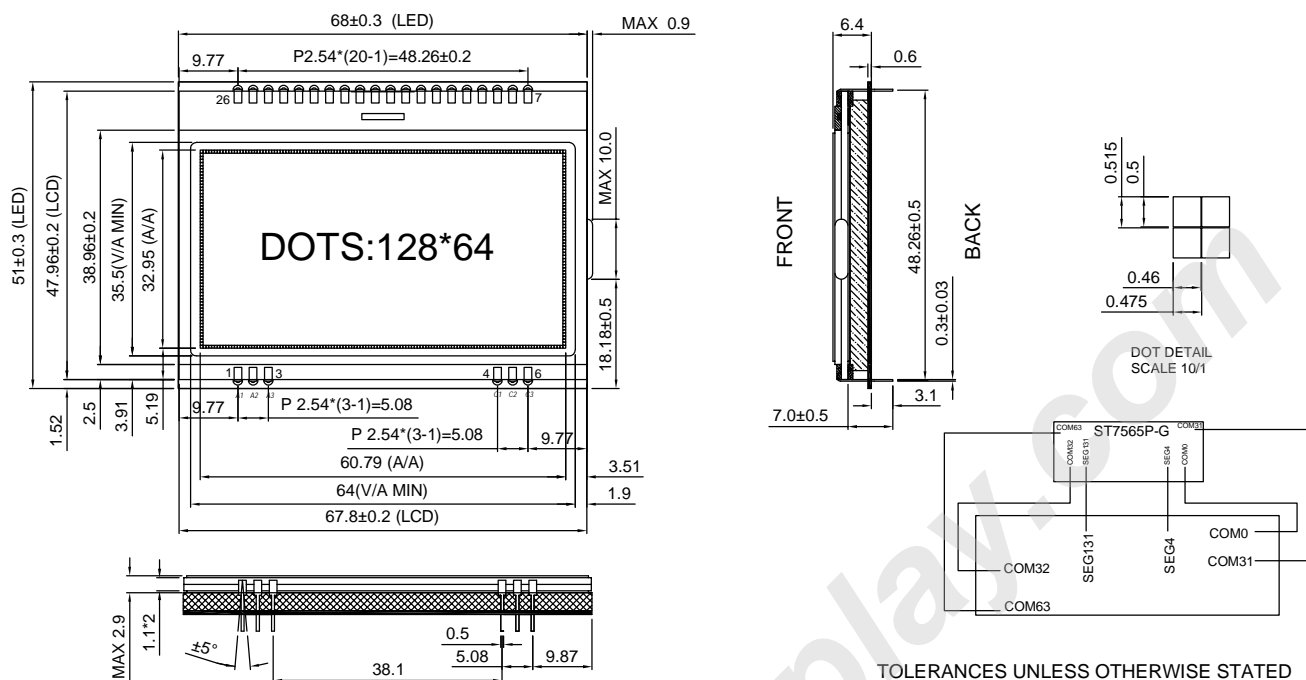


Dimension Drawing



TOLERANCES UNLESS OTHERWISE STATED
 X.X ±0.20 X.XX ±0.10 UNIT: mm

Feature:

- 128 x 64 dots graphic display
- Built-in controller ST7565P
- +3.3V power supply
- 1/64 Duty cycle
- STN or FSTN Mode
- Match all kind colors of LED back light
- ROHS compliant

Interface Pin Connections

PIN NO.	Symbol	PIN NO.	Symbol
1	LED-A1	14	CAP2P
2	LED-A2	15	CAP1P
3	LED-A3	16	CAP1N
4	LED-C1	17	CAP3P
5	LED-C2	18	VOUT
6	LED-C3	19	VSS
7	V0	20	VDD2
8	V1	21	VDD
9	V2	22	SI
10	V3	23	SCL
11	V4	24	A0
12	VSS	25	RST
13	CAP2N	26	CS1B

Mechanical Data

Item	Standard	Unit
Module dimension	68.0 x 51.0	mm
Viewing area	64.0 x 35.5	mm
Dots pitch	0.475 x 0.515	mm
Dots size	0.46 x 0.50	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 _{DD}	VDD=3V	----	135	200	uA
Recommended LCD driving voltage for normal temp version module	V5-VDD (VDD=3V)	-20°C	10.6	----	----	V
		0°C	10.3	10.6	----	
		25°C	10.0	10.3	10.6	
		50°C	----	10.0	10.3	
		70°C	----	----	9.7	
LED forward voltage	V _F	25°C	----	3.1	3.3	V
LED forward current	I _F	25°C Edge	----	135	180	mA