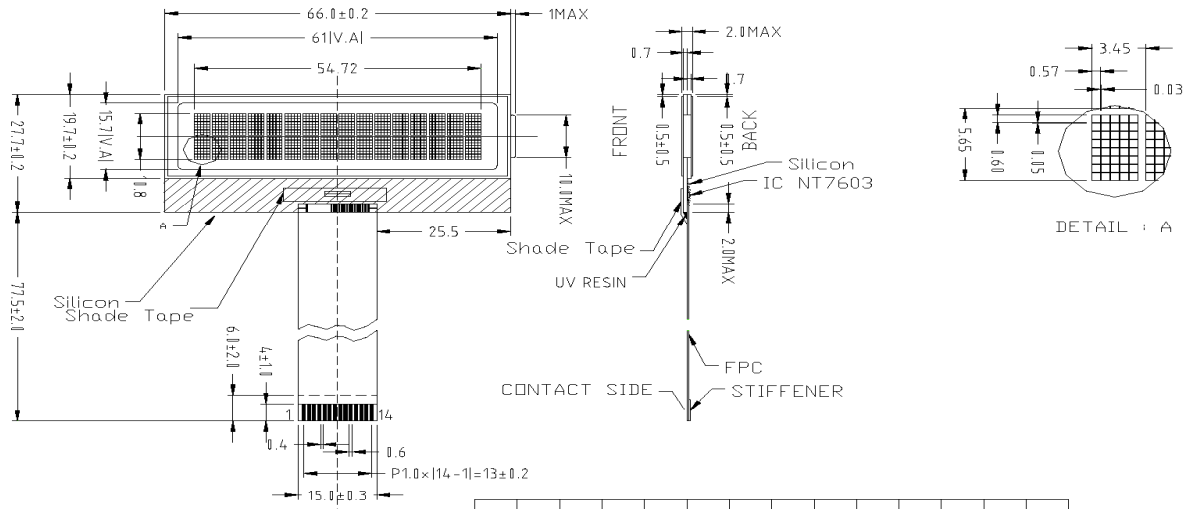


**Dimension**



NOTE:  
 1.DISPLAY TYPE : STN/GRAY MODE  
 2.VIEWING DIRECTION : 6 O'CLOCK  
 3.POLARIZER MODE : REFLECTIVE/POSITIVE  
 4.OPERATING TEMP : 0°C--+50°C  
 5.STORAGE TEMP : -20°C--+60°C  
 6.VDD: 3 ~5 V  
 7.DRIVE METHOD : DUTY1/16 BIAS 1/5  
 8.CONTROLLER : NT7603  
 9.CONNECTION : COG  
 10.OPERATING VOLTAGE OF LCD : VOP=VDD-V5=3.5V

1	2	3	4	5	6	7	8	9	10	11	12	13	14
GND	V5	VDD	RS	R/W	E	DB0	DB1	DB2	DB3	DB4	DB5	DB6	DB7

**FEATURE**

1. STN, Positive, Reflective, Backlight: NA
2. IC: Novatek NT7603H-BDT01
3. 1/16 Duty, 1/5 Bias, 6 O'clock
4. Display dot: Blue, Background: Gray

**INTERFACE FUNCTIONS**

Pin NO	Symbol	Function
1	GND	0V
2	V5	Power supply for LCD driver
3	VDD	5V
4	RS	Register select signal
5	R/W	Read / Write control signal
6	E	Read / Write start signal
7	DB0~DB7	8-tri-state bi-directional data

MECHANICAL DATA		
Item	Standard Value	Unit
Module Dimension	66.0(W) × 105.2(H) × 2.0MAX(T)	mm
Viewing Area	61.0MIN(W) × 15.7MIN(H)	mm
Dot Size	0.57(W) × 0.60(H)	mm
Dot Pitch	0.60(W) × 0.65(H)	mm

ABSOLUTE MAXIMUM RATING					
Item	Symbol	Standard Value			Unit
		min	typ	max	
Supply Voltage For Logic	VDD	-0.3	—	+7.0	V
Input Voltage	VIN	-0.3	—	VDD+0.3	V

ELECTRONICAL CHARACTERISTICS						
Item	Symbol	Condition	Standard Value			Unit
			min	typ	max	
Input Voltage	V <sub>IH</sub>	VDD=5V±5%	2.2	—	VDD	V
	V <sub>IL</sub>		-0.3	—	0.8	
Supply Current	IDD	VDD=5V±5% VDD-V5=3.5V	—	0.57	1.0	mA
Logic Supply Voltage	VDD-VSS	Ta=0~50°C	3	3.5	5	V
LCD Drive Voltage	V <sub>op</sub> =VDD-V5	Ta=25°C	3.0	3.5	4.0	V