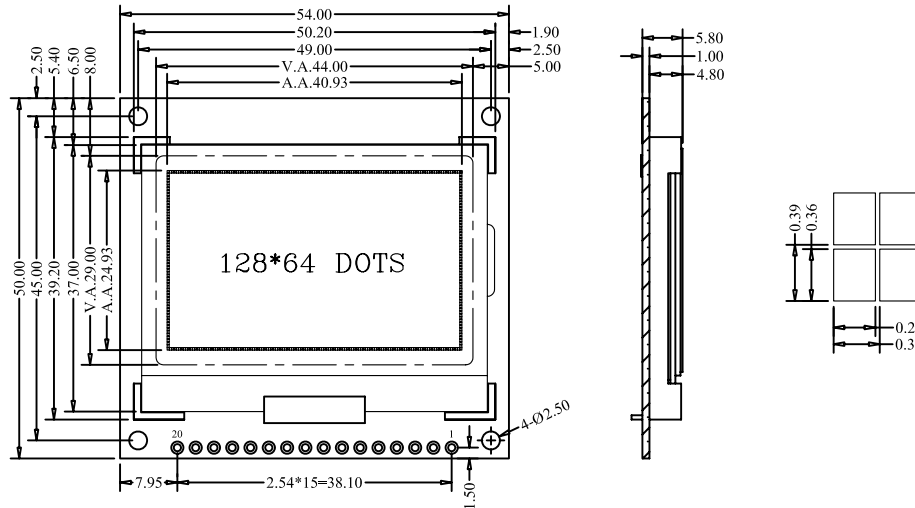


### 1.DIMENSION OUTLINE



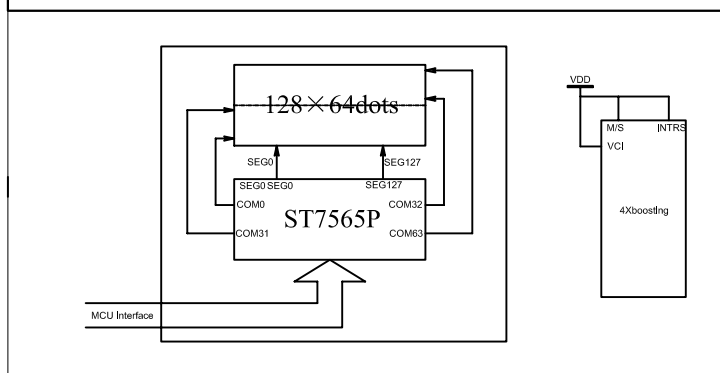
### 2.MECHANICAL SPECIFICATIONS

ITEM	SPECIFICATIONS	ITEM	REMARK
Module Size(L×W×H)	54.0×50.0×7.0max	mm	Reference Dimensional Outline
View Area(W×H)	44.0×29.0	mm	
Effective V/Area(W×H)	40.93×24.93	mm	
Number of Dots	128×64	—	
Dot Pitch(W×H)	0.29×0.36	mm	
Dot Size(W×H)	0.32×0.39	mm	
Weigh(Reflective/LED)	—	g	

### 3.ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	CONDITION	STANDARD	
			MIN	MAX
Logic Voltage	V <sub>DD</sub>		-0.3V	V <sub>DD</sub> +0.3V
LCD Voltage	V <sub>LCD</sub>	T <sub>a</sub> =25°C	-0.3V	13.0V
Input Voltage	V <sub>I</sub>		-0.3V	V <sub>DD</sub> +0.3V
Operation Temperature	T <sub>OP</sub>	—	-10°C	60°C
Storage Temperature	V <sub>OP</sub>	—	-20°C	70°C

### 4.BLOCK DIAGRAMMECHANICAL



### 5.LED BACKLIGHT SPECIFICATIONS

ITEM	SYMBOL	TYPE	MAX	UNIT
T <sub>a</sub> =25°C				
Forward Voltage	V <sub>f</sub>	3.1	—	V
Forward Current	I <sub>f</sub>	—	60	mA
Emission Wave Length	λ <sub>P</sub>	white	—	nm

### 6.INTERFACE PIN CONNECTIONS

ITEM	SYMBOL	LEVEL	FUNCTIONS	
			PARALLEL	SERIAL
1-6	DB0-DB5	H/L	Data Bus	No Connection
7	DB6	H/L		Serial clock input
8	DB7	H/L		Serial data input
9	VDD	+3.3V	Power Supply For Logic	
10	VSS	0V	Power Ground	
11	LED+	+5.0V	Power supply For LED Backlight	
12	CS	H/L	Chip Selection Signal	
13	RS	H/L	H:data L:command	
14	RST	H/L	Reset Signal	
15	WR	H/L	Write Signal	No Connection
16	RD	H/L	Read Signal	No Connection

### 7.ELECTRICAL CHARACTERISTICS

ITEM	SYMBOL	MIN	TYPE	MAX	UNIT
T <sub>a</sub> =25°C					
Logic Power	V <sub>DD</sub>	—	3.3	—	V
Input High Voltage	V <sub>IH</sub>	2	—	V <sub>DD</sub>	V
Input Low Voltage	V <sub>IL</sub>	0	—	0.8	V
Output High Voltage	V <sub>OH</sub>	2.4	—	V <sub>DD</sub>	V
Output Low Voltage	V <sub>OL</sub>	0	—	0.4	V
Logic Current	I <sub>DD</sub>	—	—	7	mA
Operation Voltage For LCD	V <sub>DD-Vo</sub>	—	9.0	—	V