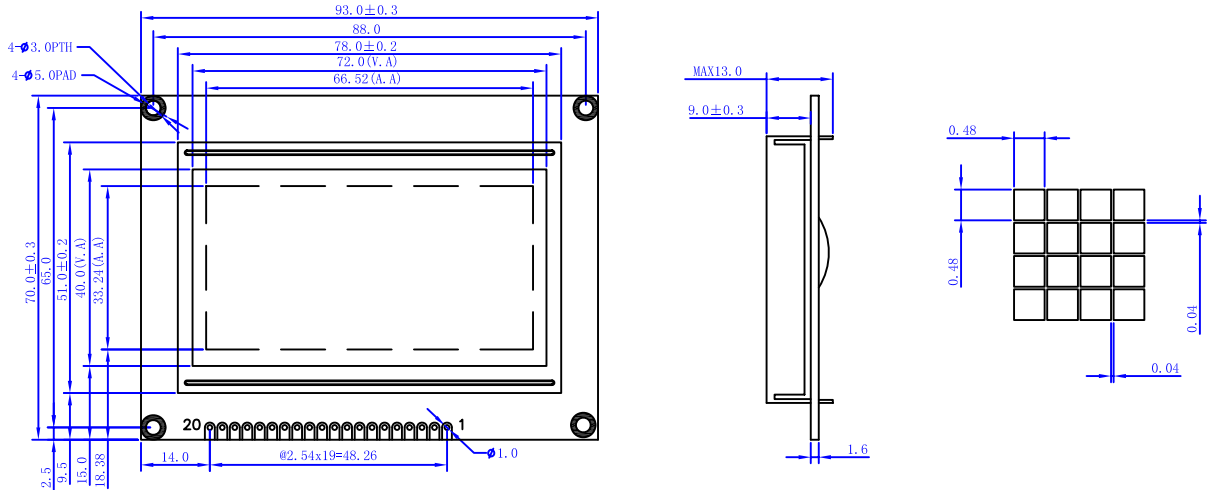


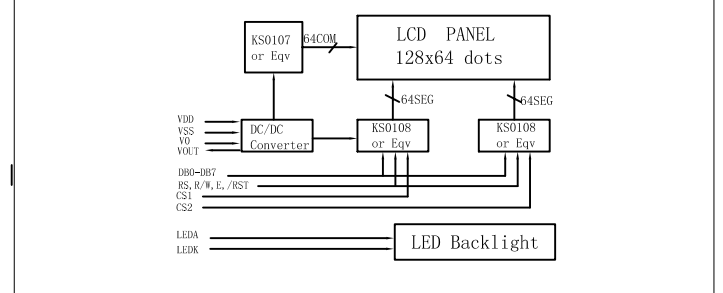
1.DIMENSION OUTLINE



2.MECHANICAL SPECIFICATIONS

ITEM	SPECIFICATIONS	ITEM	REMARK
Module Size(L×W×H)	93.0×70.0×13.0	mm	Reference Dimensional Outline
View Area(W×H)	72.0×40.0	mm	
Effective V/Area	66.52×33.24	mm	
Number of Characters	128×64	-	
Dot Pitch(W×H)	0.52×0.52	mm	
Dot Size(W×H)	0.48×0.48	mm	
Weight (Reflective/Led)	-	g	

3.BLOCK DIAGRAMMECHANICAL



4.LED BACKLIGHT SPECIFICATIONS

ITEM	SYMBOL	TYPE	MAX	UNIT	
Ta=25℃					
①	Forward Voltage	Vf	4.1	4.3	V
	Forward Current	If	360	—	mA
	Emission Wave Length	λP	568	—	nm
②	Forward Voltage	Vf	3.0	3.3	V
	Forward Current	If	60	—	mA
	Emission Wave Length	λP	—	—	nm

5.ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	CONDITION	STANDARD	
			MIN	MAX
Logic Voltage	VDD	Ta=25℃	-0.3V	7V
LCD Voltage	VLCD		-0.3V	17.5V
Input Voltage	Vi		-0.3V	VDD+0.3V
Operation Temperature	TOP	—	-20℃	70℃
Storage Temperature	TSt	—	-30℃	80℃

6.INTERFACE PIN CONNECTIONS

ITEM	SYMBOL	LEVEL	FUNCTIONS
1	VSS	0V	Power Ground
2	VDD	+5V	Power supply for logic
3	V0	—	Contrast adjust
4	RS	H/L	H: data L: command
5	R/W	H/L	H: read L: write
6	E	H,H→L	Enable signal
7-14	DB0-DB7	H/L	Data Bus
15	CS1	L	Chip selection IC1
16	CS2	L	Chip selection IC2
17	/RST	L	Reset signal
18	VOUT	—	Output voltage for LCD driving
19	LEDA	+5V	Power supply for LED backlight
20	LEDK	0V	

7.ELECTRICAL CHARACTERISTICS

ITEM	SYMBOL	MIN	TYPE	MAX	UNIT
Ta=25℃					
Logic Power	VDD	4.5	5	5.5	V
Input High Voltage	VIH	0.8VDD	—	VDD	V
Input Low Voltage	VIL	VSS	—	0.8	V
Output High Voltage	VOH	2.4	—	—	V
Output Low Voltage	VOL	0	—	0.4	V
Logic Current	IDD	—	6	8	mA
Operation Voltage For LCD	VDD-V0	—	9	—	V