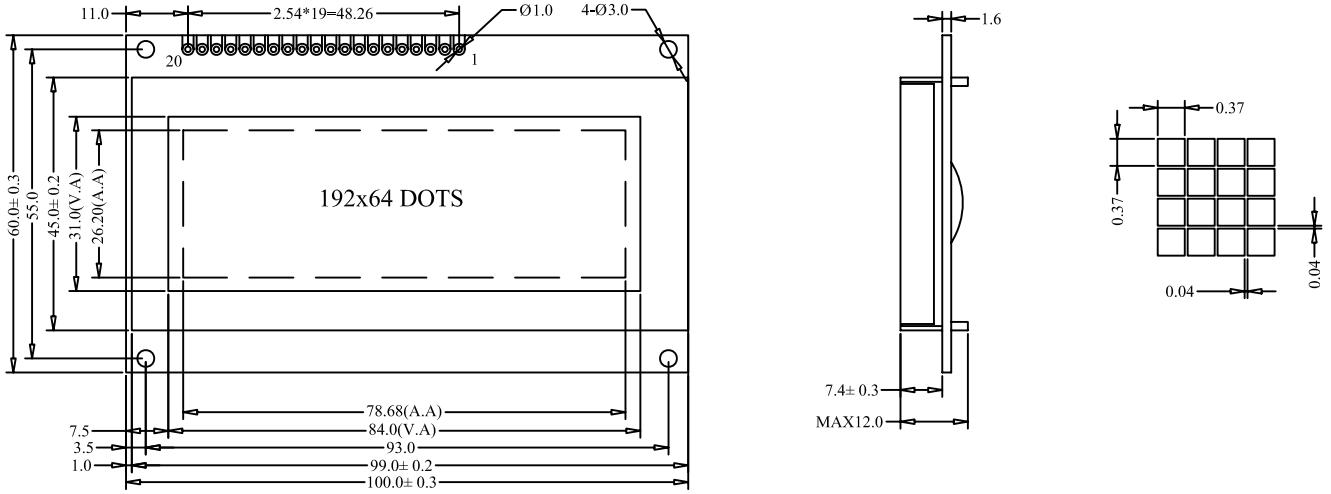
1.DIMENSION OUTLINE



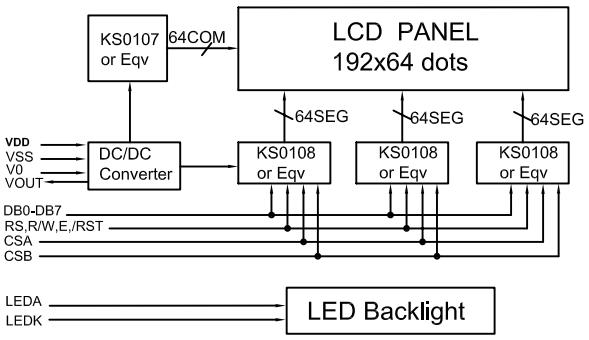
2.MECHANICAL SPECIFICATIONS

ITEM	SPECIFICATIONS	ITEM	REMARK
Modeule Size(L×W×H)	100.0×60.0×12.0	mm	Reference Dimensional Outline
View Area(W×H)	84.0×31.0	mm	
Effective V/Area	78.68×26.20	mm	
Number of Characters	192×64	-	
Dot Pitch(W×H)	0.41×0.41	mm	
Dot Size(W×H)	0.37×0.37	mm	
Weight (Reflective/Led)	-	g	

3.ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	CONDITION	STANDARD	
			MIN	MAX
Logic Voltage	V_{DD}	Ta=25℃	-0.3V	7V
LCD Voltage	V_{LCD}		-0.3V	17.5V
Input Voltage	V_I		-0.3V	V_{DD}+0.3V
Operation Temperature	T_{OP}	—	-20℃	70℃
Storage Temperature	T_{St}	—	-30℃	80℃

4.BLOCK DIAGRAMMECHANICAL



5.LED BACKLIGHT SPECIFICATIONS

ITEM	SYMBOL	TYPE	MAX	UNIT
Ta=25℃				
Forward Voltage	V_f	4.1	4.3	V
Forward Current	I_f	180	—	mA
Emission Vave Length	λ_P	568	—	nm

6.INTERFACE PIN CONNECTIONS

ITEM	SYMBOL	LEVEL	FUNCTIONS
1-8	DB7-DB0	H/L	Data Bus
9	E	H.H→L	Enable singnal
10	R/W	H/L	H:read L:write
11	RS	H/L	H:data L:command
12	V0	—	Contrast adjust
13	VDD	+5V	Power supply for logic
14	VSS	0V	Power Ground
15	CSA	H/L	Chip selection Signal 00:Chip 1 01:Chip 2 10:Chip 3
16	CSB	H/L	
17	VOUT	—	Output voltage for lcd driving
18	/RST	L	Reset singnal
19	LEDA	+5V	LED B/L Power Supply
20	LEDK	0V	

7.ELECTRICAL CHARACTERISTICS

ITEM	SYMBOL	MIN	TYPE	MAX	UNIT
Ta=25℃					
Logic Power	V_{DD}	4.5	5	5.5	V
Input High Voltage	V_{IH}	0.8VDD	—	V_{DD}	V
Input Low Voltage	V_{IL}	VSS	—	0.8	V
Output High Voltage	V_{OH}	2.4	—	—	V
Output Low Voltage	V_{OL}	0	—	0.4	V
Logic Current	I_{DD}	—	6	8	mA
Operation Voltage For LCD	V_{DD}-V_0	—	12	—	V