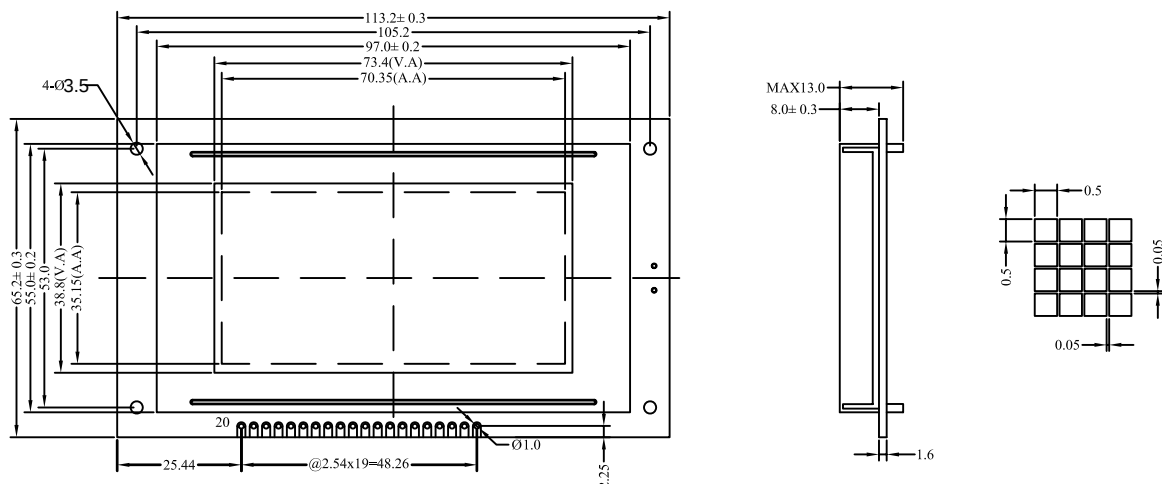


1.DIMENSION OUTLINE



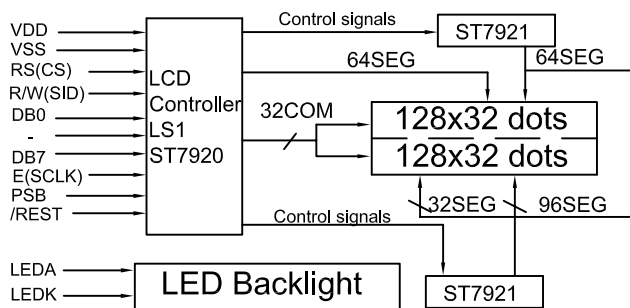
2.MECHANICAL SPECIFICATIONS

ITEM	SPECIFICATIONS	ITEM	REMARK
Module Size(L×W×H)	113.2×65.2×13.0	mm	Reference Dimensional Outline
View Area(W×H)	73.4×38.8	mm	
Effective V/Area	70.35×35.15	mm	
Number of Characters	128×64	-	
Dot Pitch(W×H)	0.55×0.55	mm	
Dot Size(W×H)	0.50×0.50	mm	
Weight (Reflective/Led)	-	g	

3.ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	CONDITION	STANDARD	
			MIN	MAX
Logic Voltage	V _{DD}	Ta=25℃	-0.3V	5.5V
LCD Voltage	V _{LCD}		-0.3V	7V
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	4.2	V
Forward Current	I _f	210	—	mA
Emission Vave Length	λ _P	572	—	nm

6.INTERFACE PIN CONNECTIONS

ITEM	SYMBOL	LEVEL	FUNCTIONS
1	LEDK	0V	Power supply for LED backlight
2	LEDA	+5V	
3	VSS	0V	Power Ground
4	VDD	+5V	Power supply for logic
5	NC	—	No Connection
6	RS/(CS)	H/L	Register selection for parallel mode /chip enable for serial mode
7	RW/(SID)	H/L	L:write H:read/serial data input
8	E/(SCLK)	H.H→L	Enable singnal/Serial clock
9-16	DB0-DB7	H/L	Data Bus
17	PSB	H/L	H:Parallel mode L:Serial mode
18	/REST	L	Reset singnal
19	VOUT	—	Output voltage for lcd driving
20	V0	—	Contrast adjust

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}	0.7VDD	—	V _{DD}	V
Input Low Voltage	V _{IL}	-0.3	—	0.6	V
Output High Voltage	V _{OH}	0.8VDD	—	VDD	V
Output Low Voltage	V _{OL}	0	—	0.4	V
Logic Current	I _{DD}	—	3	5	mA
Operation Voltage For LCD	V0-GND	—	5	—	V