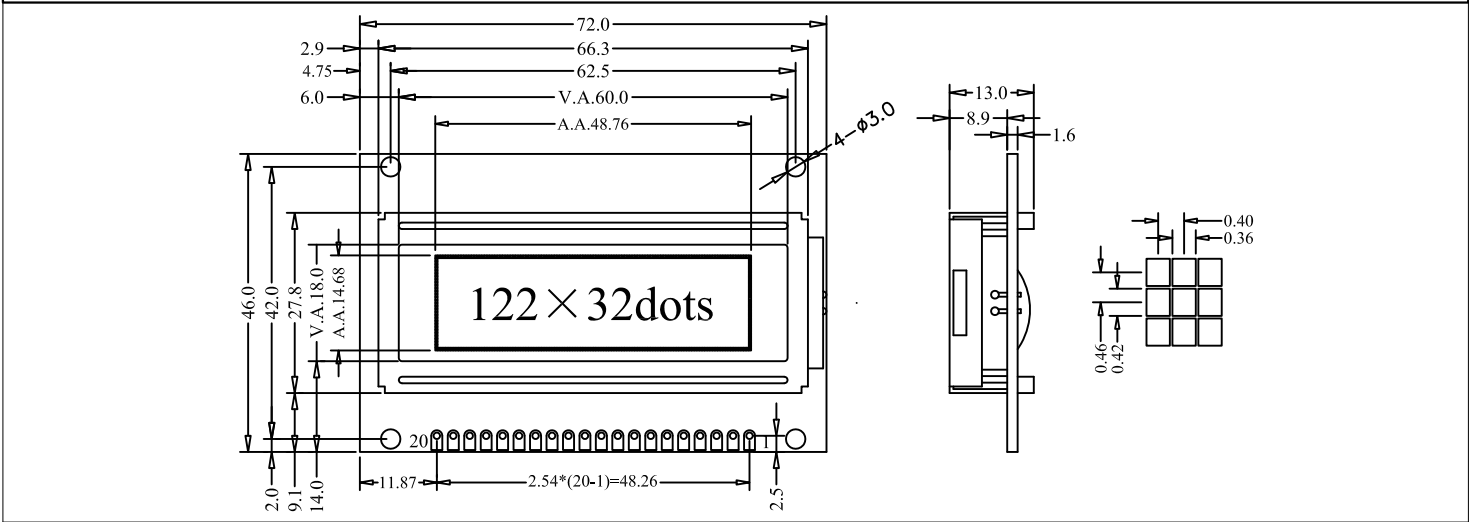


1.DIMENSION OUTLINE



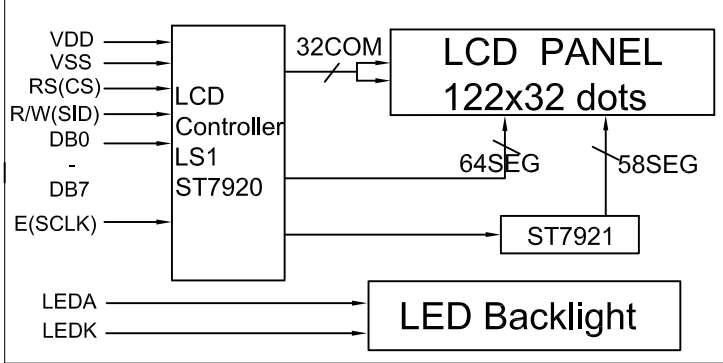
2.MECHANICAL SPECIFICATIONS

ITEM	SPECIFICATIONS	ITEM	REMARK
Module Size(L×W×H)	72×46×13.0	mm	Reference Dimensional Outline
View Area(W×H)	60.0×18.0	mm	
Effective V/Area	48.76×14.68	mm	
Number of Dots	122×32	-	
Dot Pitch(W×H)	0.36×0.42	mm	
Dot Size(W×H)	0.40×0.46	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 DIAGRAM MECHANICAL



5.LED BACKLIGHT SPECIFICATIONS

ITEM	SYMBOL	TYPE	MAX	UNIT
Ta=25℃				
Forward Voltage	V _f	3.0	3.1	V
Forward Current	I _f	—	30	mA
Emission Wavelength	λ _P	white	—	nm

7.ELECTRICAL CHARACTERISTICS

ITEM	SYMBOL	MIN	TYPE	MAX	UNIT
Ta=25℃					
Logic Power	V _{DD}	4.75	5	5.25	V
Input High Voltage	V _{IH}	0.7V _{DD}	—	V _{DD}	V
Input Low Voltage	V _{IL}	-0.3	—	0.6	V
Output High Voltage	V _{OH}	0.8V _{DD}	—	V _{DD}	V
Output Low Voltage	V _{OL}	0	—	0.4	V
Logic Current	I _{DD}	—	3	5	mA
Operation Voltage For LCD	V _{DD} -V ₀	—	5	—	V

6.INTERFACE PIN CONNECTIONS

ITEM	SYMBOL	LEVEL	FUNCTIONS
1	V0/NC	—	Contrast adjust / No Connection
2	Vout/NC	—	Power output For Contrast adjust / No Connection
3	GND	0V	Power Ground
4	VCC	+5V	Power Supply For Logic
5	NC	—	No Connection
6	RS(CS)	H/L	H:data L:command (Chip enable for serial mode)
7	R/W(SID)	H/L	H:read L:write (serial data for serial mode)
8	E(SCLK)	H.H→L	Enable signal (Serial clock)
9-12	DB0-DB3	H/L	Data bus Low 4-bits
13-16	DB4-DB7	H/L	Data bus High 4-bits
17	PSB	H/L	Interface Selection H: Parallel L: Serial
18	Reset	L	Reset signal
19	LEDA	+5V	Power supply For LED Backlight
20	LEDK	0V	