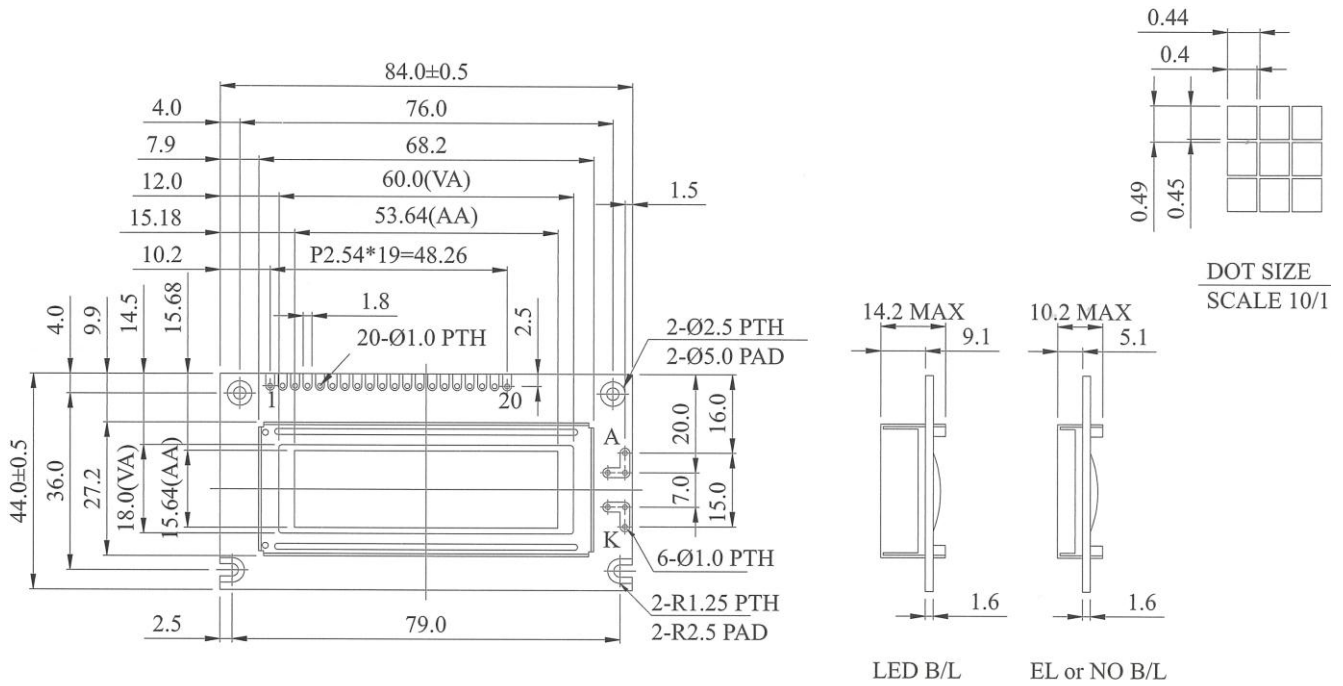


MSG12232L

Graphic 122x32 dots

GMS.

■ ■ ■ DISPLAY SYSTEMS



Feature		
1. Built-in Controller (ST7920)		
2. 1/32 duty cycle		
3. Chinese Version		
4. Same size with MSG12232A		
Pin	Symbol	Function
1	Vss	GND
2	Vdd	Power supply +5V
3	Vo	Contrast Adjustment
4	RS	H/L register select signal
5	Vout	Voltage output
6	NC	NC
7	NC	NC
8	E	Enable signal
9	R/W	H: read data / L: write data
10	DB0	Data bus line
11	DB1	Data bus line
12	DB2	Data bus line
13	DB3	Data bus line
14	DB4	Data bus line
15	DB5	Data bus line
16	DB6	Data bus line
17	DB7	Data bus line
18	RES	L: Reset the LCM
19	A	Power supply for B/L (+)
20	K	Power supply for B/L (-)

Mechanical Data					
Item	Standard Value	Unit			
Module Dimension	84.0 x 44.0	mm			
Viewing Area	60.0 x 18.0	mm			
Dot Size	0.40 x 0.45	mm			
Dot Pitch	0.44 x 0.49	mm			
Absolute Maximum Rating					
Item	Symbol	Standard Value			Unit
		min	typ	max	
Power Supply	Vdd - Vss	0	---	7.0	V
Input Voltage	Vi	0	---	Vdd	V

Note: Vss=0 V, Vdd=5.0 V

Electronical Characteristics						
Item	Symbol	Condition	Standard Value			Unit
			min	typ	max	
Input Voltage	Vdd	Vdd=+5V	4.5	5.0	5.5	V
Supply Current	Idd	Vdd=5V	1.2	1.4	1.8	mA
Recommended LC Driving Voltage for normal Temperature Version module	Vdd-Vo	-20°C	---	---	5.2	V
		25°C	---	4.4	---	
		70°C	3.7	---	---	

See Specification for Backlight information.

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