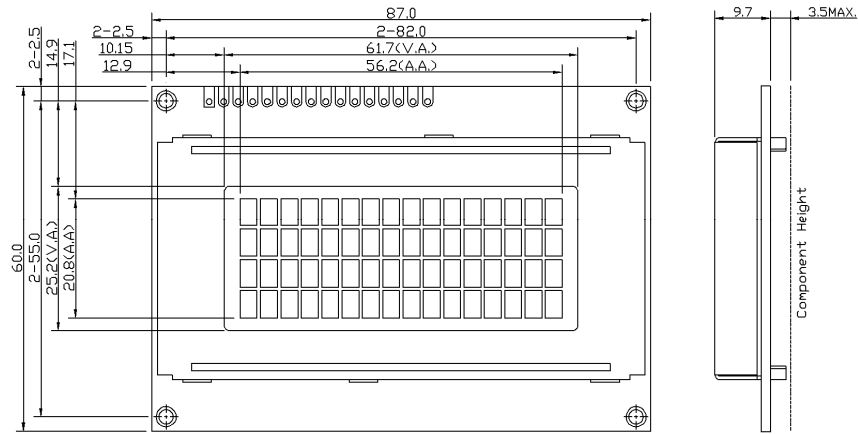


### OUTLINE DRAWING



### FEATURES

- 16x4 Characters
- Parallel interface, 5v power supply
- STN-Gray with YG LED backlight

### MECHANICAL DATA

Item	Value
Outline (mm)	87.0 x 60.0 x 13.2MAX.
Viewing Area (mm)	61.7 x 25.2
Active Area (mm)	56.2 x 20.8
Character Size (mm)	2.95 x 4.75

### TERMINAL FUNCTIONS

Pin	Name	Descriptions
1	VSS	0V Power Supply, Ground
2	VDD	Positive Power Supply
3	V0	LCD Contrast Reference Supply
4	RS	Register Select RS=HIGH: Transferring Display Data RS=LOW: Transferring Instruction Data
5	R/W	Read/Write Control Bus R/W=HIGH: Read Mode Selected R/W=LOW: Write Mode Selected
6	E	Data Enable
7	DB0	Bi-directional Tri-state Data Bus
:	:	
14	DB7	
15	BLA	LED Backlight Positive Power Supply
16	BLK	LED Backlight Negative Power Supply

### DISPLAY CHARACTERISTICS

Item	Value
LCD Display Mode	STN-Gray, Positive, Transflective
Viewing Angle	6:00
Driving Method	1/16 duty, 1/5 bias
Backlight	YG LED Backlight

### ELECTRICAL CHARACTERISTICS

Item	Symbol	Min	Typ	Max
Operating Voltage (V)	V <sub>DD</sub>	4.7	5.0	5.3
Input High Voltage (V)	V <sub>IH</sub>	0.8V <sub>DD</sub>	-	V <sub>DD</sub>
Input Low Voltage (V)	V <sub>IL</sub>	V <sub>SS</sub>	-	0.5
Operating Current (mA)	I <sub>DD</sub>	-	1.3	3.0

### BACKLIGHT CHARACTERISTICS

Item	Symbol	Min	Typ	Max
Forward Voltage (V)	V <sub>fBLA</sub>	-	5.0	-
Forward Current (mA)	I <sub>fBLA</sub>	-	213	280

### TEMPERATURE CHARACTERISTICS

Item	Symbol	Min	Max
Operating Temperature (°C)	T <sub>OP</sub>	-20	+70
Storage Temperature (°C)	T <sub>ST</sub>	-30	+80

### MAJOR PRODUCT LIST

Models	Highlight		
	LCD Mode	Backlight	Voltage
LMB164ADC★	STN-Gray	YG LED	5.0V

For similar product or (semi) custom made LCD module, Please visit our web site or contact us.

★The above product information is based on this model.