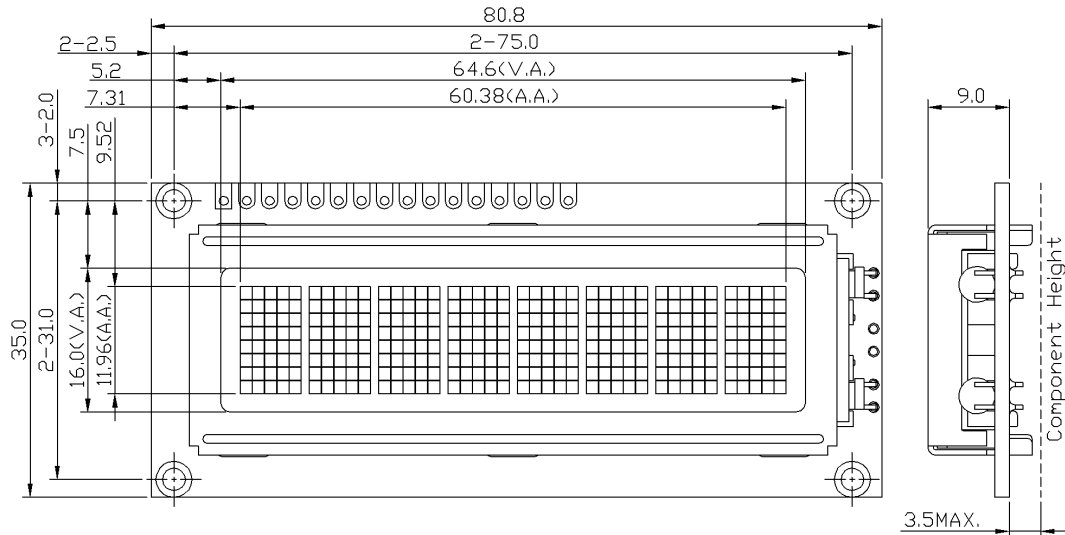


OUTLINE DRAWING



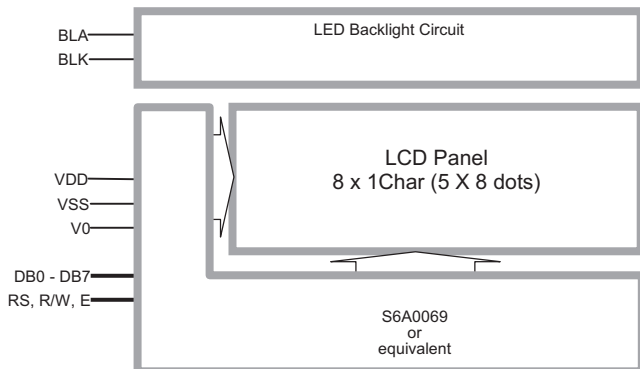
TERMINAL FUNCTIONS

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, Transmissive
Viewing Angle	12:00
Driving Method	1/8 duty, 1/4 bias
Backlight <sup>#</sup>	White LED Backlight

BLOCK DIAGRAM



MECHANICAL DATA

Item	Value
Outline (mm)	80.8 x 35.0 x 12.5MAX.
Viewing Area (mm)	64.6 x 16.0
Active Area (mm)	60.38 x 11.96
Character Pitch (mm)	1.36 x 1.5
Character Size (mm)	1.32 x 1.46

ABSOLUTE MAXIMUM

Item	Symbol	Min	Max
Operating Voltage (V)	V <sub>DD</sub>	0	6.0
Operating Temperature (°C)	T <sub>OP</sub>	-20	+70
Storage Temperature (°C)	T <sub>ST</sub>	-30	+80

ELECTRICAL CHARACTERISTICS<sup>\*</sup>

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>	0.8 V <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	3.3

BACKLIGHT CHARACTERISTICS

Item	Symbol	Min	Typ	Max
Forward Voltage (V)	V <sub>fBLA</sub>	-	5.0	-
Forward Current (mA)	I <sub>fBLA</sub>	-	34	45

LMB081A series

	Highlight		
	LCD Mode		<sup>*</sup> Voltage
LMB081ADC <sup>*</sup>	STN-Gray	White LED	5.0V
LMB081AFC	STN-Blue	White LED	5.0V

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

<sup>\*</sup>The above product information is based on this model.