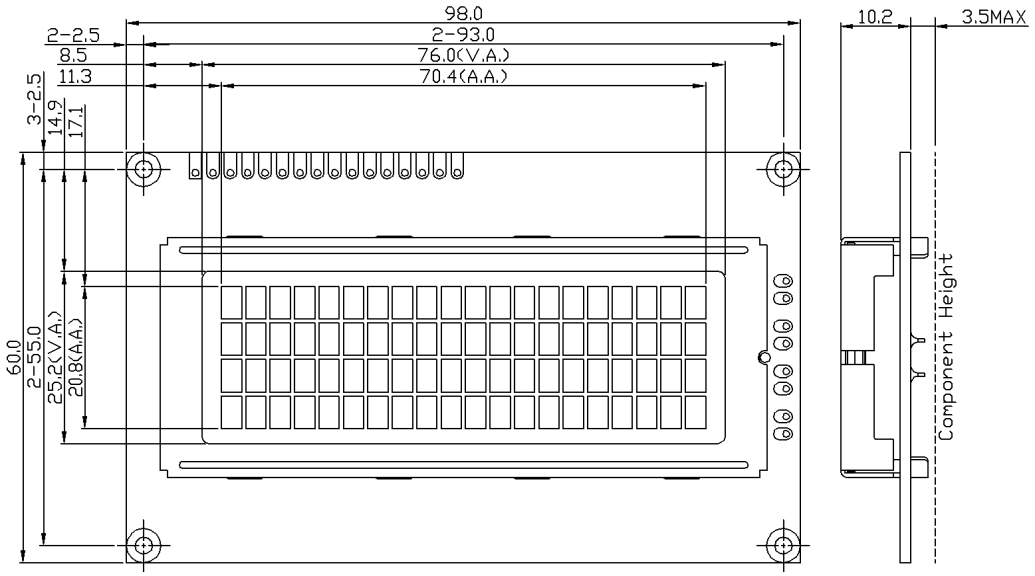
OUTLINE DRAWING



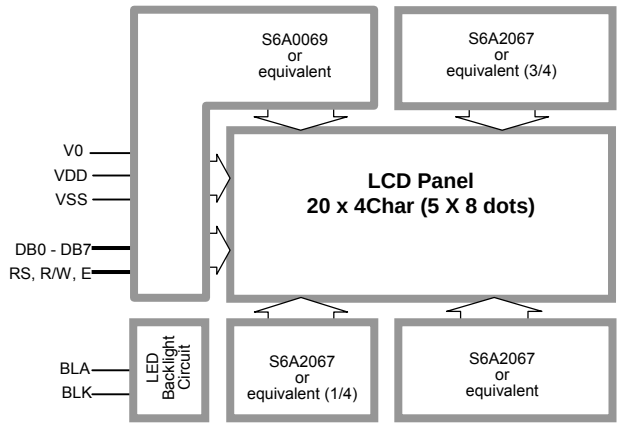
TERMINAL FUNCTIONS

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, Transflective
Viewing Angle	6:00
Driving Method	1/16 duty, 1/5 bias
Backlight#	YG LED Backlight

BLOCK DIAGRAM



MECHANICAL DATA

Item	Value
Outline (mm)	98.0 x 60.0 x 13.7MAX
Viewing Area (mm)	76.0 x 25.2
Active Area (mm)	70.4 x 20.8
Character Pitch (mm)	0.6 x 0.6
Character Size (mm)	0.55 x 0.55

ABSOLUTE MAXIMUM

Item	Symbol	Min	Max
Operating Voltage (V)	V_{DD}	0	6.0
Operating Temperature (°C)	T_{OP}	-20	+70
Storage Temperature (°C)	T_{ST}	-30	+80

ELECTRICAL CHARACTERISTICS※

Item	Symbol	Min	Typ	Max
Operating Voltage (V)	V_{DD}	4.7	5.0	5.3
Input High Voltage (V)	V_{IH}	0.8 V_{DD}	-	V_{DD}
Input Low Voltage (V)	V_{IL}	V_{SS}	-	0.5
Operating Current (mA)	I_{DD}	-	1.5	3.5

BACKLIGHT CHARACTERISTICS

Item	Symbol	Min	Typ	Max
Forward Voltage (V)	Vf_{BLA}	-	5.0	-
Forward Current (mA)	If_{BLA}	-	180	260

LMB204B series

Major Models	Highlight		
	*LCD Mode	#Backlight	※Voltage
LMB204BBC	STN-YG	YG LED	5.0V
LMB204BBC-1	STN-YG	YG LED	3.3V
LMB204BDC★	STN-Gray	YG LED	5.0V
LMB204BDC-1	STN-Gray	YG LED	3.3V
LMB204BDC-2	STN-Gray	White LED	5.0V
LMB204BFC	STN-Blue	White LED	5.0V
LMB204BFC-1	STN-Blue	White LED	3.3V

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.