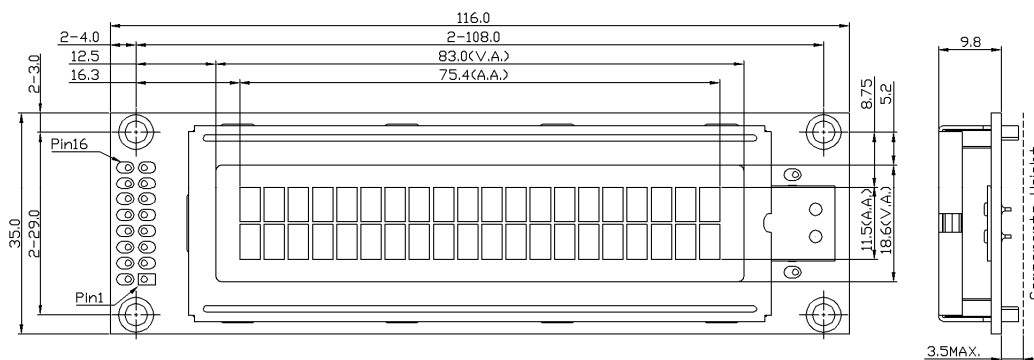


OUTLINE DRAWING



FEATURES

- 20x2 Characters
- 3.3v or 5v power supply optional
- Kinds of display model by STN-YG, STN-Gray, STN-Blue or FSTN-Pos with YG or White LED backlight optional

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	BLK	LED Backlight Positive Power Supply
16	BLA	LED Backlight Negative Power Supply

TEMPERATURE CHARACTERISTICS

Item	Symbol	Min	Max
Operating Temperature (°C)	T _{OP}	-20	+70
Storage Temperature (°C)	T _{ST}	-30	+80

BACKLIGHT CHARACTERISTICS

Item	Symbol	Min	Typ	Max
Forward Voltage (V)	V _{fBLA}	-	5.0	-
Forward Current (mA)	I _{fBLA}	-	-	240

MECHANICAL DATA

Item	Value
Outline (mm)	116.0 x 35.0 x 13.3MAX.
Viewing Area (mm)	83.0 x 18.6
Active Area (mm)	75.4 x 11.5
Character Size (mm)	3.2 x 5.55

DISPLAY CHARACTERISTICS

Item	Value
LCD Display Mode	STN-YG, Positive, Transmissive
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 _{DD}	4.7	5.0	5.3
Input High Voltage (V)	V _{IH}	0.8V _{DD}	-	V _{DD}
Input Low Voltage (V)	V _{IL}	V _{SS}	-	0.5
Operating Current (mA)	I _{DD}	-	1.3	3.0

MAJOR PRODUCT LIST

Models	Highlight	
	LCD Mode	Backlight
LMB202DBC★	STN-YG	YG LED
LMB202DDC	STN-Gray (BLK,BLA Swap)	White LED
LMB202DFC	STN-Blue (BLK,BLA Swap)	White LED

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.