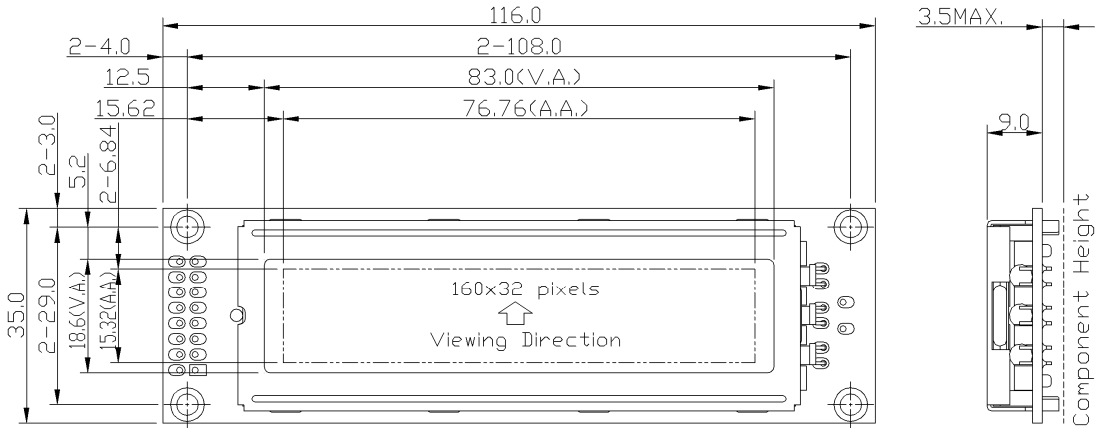
OUTLINE DRAWING



FEATURES

- 160x32 dots, Built-in Chinese Fonts
- Mechanical size compatible with standard
- 20 x 2 character LCD module LMB202A or LMB202D Series
- Parallel or Serial interface optional
- 3.3v,5v power supply optional

TERMINAL FUNCTIONS

Pin	Name	Descriptions	
		Parallel Mode (PSB=H)	Serial Mode (PSB=L)
1	VSS	0V Power Supply, Ground	
2	VDD	Positive Power Supply	
3	V0	Power Supply for LCD Driving	
4	RS	Register Select RS=H, data read or write RS=L,Instruction read/write	Chip Select CS=H, chip enable CS=L, Chip disable
5	R/W (SID)	Read / Write Control	Serial Input Data
6	E (SCLK)	Enable trigger	Serial Clock
7	DB0	Data bus Three state I/O terminal for display data or instruction	Leave open or pull-up
:	:		
14	DB7		
15	BLA	LED Backlight Positive Supply Power	
16	NC	No Connection (keep open)	

TEMPERATURE CHARACTERISTICS

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

MECHANICAL DATA

Item	Value
Outline (mm)	116.0 x 35.0 x 14.0MAX.
Viewing Area (mm)	83.0 x 18.6
Active Area (mm)	76.76 x 15.32
Dot Pitch (mm)	0.48 x 0.48
Dot Size (mm)	0.44 x 0.44

DISPLAY CHARACTERISTICS

Item	Value
LCD Display Mode	STN-Gray, Positive, Transflective
Viewing Angle	6:00
Driving Method	1/33 duty, 1/5 bias
Backlight	White LED backlight

ELECTRICAL CHARACTERISTICS

Item	Symbol	Min	Typ	Max
Operating Voltage (V)	V_{DD}	4.8	5.0	5.2
Input High Voltage (V)	V_{IH}	$0.8V_{DD}$	-	V_{DD}
Input Low Voltage (V)	V_{IL}	V_{SS}	-	0.4
Operating Current (mA)	I_{DD}	-	1.9	5.0

BACKLIGHT CHARACTERISTICS

Item	Symbol	Min	Typ	Max
Forward Voltage (V)	Vf_{BLA}	-	5.0	-
Forward Current (mA)	If_{BLA}	-	60	75

MAJOR PRODUCT LIST

Models	Highlight			
	Backlight	I/F	LCD Mode	Voltage
LM16032DDC-0B★	White	P	STN-Gray	5.0V
LM16032DDC-0B-01	White	P	STN-Gray	3.3V
LM16032DDC-0B-2	White	S	STN-Gray	5.0V
LM16032DFC-0B	White	P	STN-Blue	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.