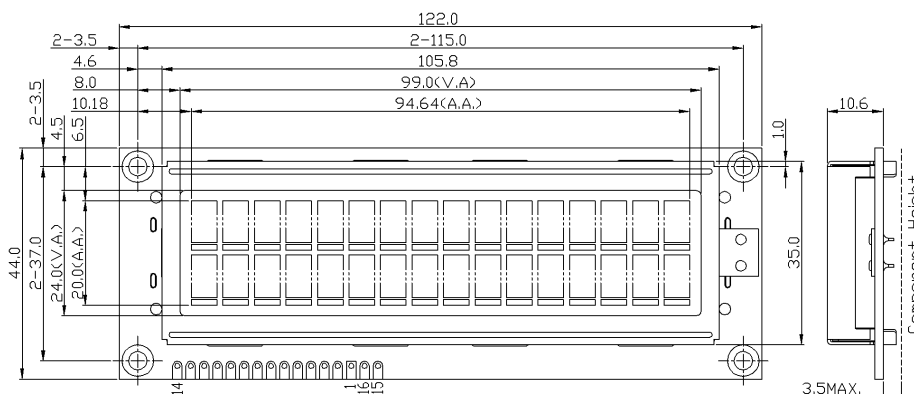


OUTLINE DRAWING



FEATURES

- 16x2 big size characters
- Parallel interface, 5v power supply
- STN-YG, STN-Gray, STN-blue with YG or White LED backlight optional

MECHANICAL DATA

Item	Value
Outline (mm)	122.0 x 44.0 x 14.1MAX.
Viewing Area (mm)	99.0 x 24.0
Active Area (mm)	94.64 x 20.0
Character Size (mm)	4.865 x 9.56

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 Negative Power Supply
16	BLA	LED Backlight Positive Power Supply

DISPLAY CHARACTERISTICS

Item	Value
LCD Display Mode	STN-Gray, 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}	-	2.0	5.0

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)	$V_{f_{BLA}}$	-	5.0	-
Forward Current (mA)	$I_{f_{BLA}}$	-	240	320

MAJOR PRODUCT LIST

Models	Highlight	
	LCD Mode	Backlight
LMB162GBY★	STN-YG (BLK,BLA Swap)	YG LED
LMB162GDC-4	STN-Gray	White LED
LMB162GFC	STN-Blue	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.