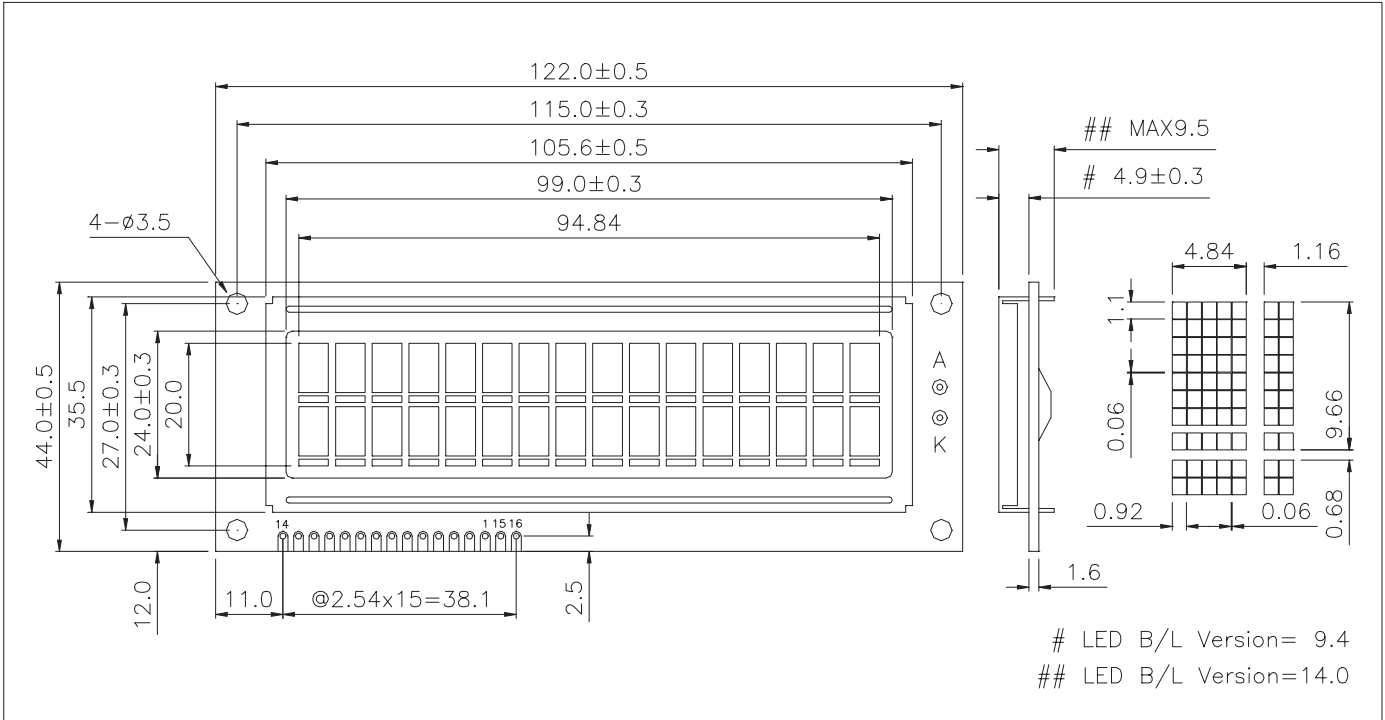




# OC M2X16B 2 X 16 dots

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## ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Min.	Max.	Unit
Supply Voltage (Logic)	V <sub>DD</sub>	-0.3	7.0	V
Supply Voltage (LCD)	V <sub>O</sub>	V <sub>DD</sub> -13.5	V <sub>DD</sub> +0.3	V
Input Voltage	V <sub>I</sub>	V <sub>SS</sub>	V <sub>DD</sub> +0.3	V
Operating Temp.	T <sub>opr</sub>	0	50	°C
Storage Temp.	T <sub>stg</sub>	-20	60	°C

## MECHANICAL DATA

Item	Nominal Dimensions	Unit
Module Size (W X H X T)	122.0 X 44.0 X 9.5	mm
Viewing Area (W X H)	99.0 X 24.0	mm
Dot Pitch (W X H)	4.84 X 9.66	mm
Dot Size (W X H)	0.92 X 1.1	mm

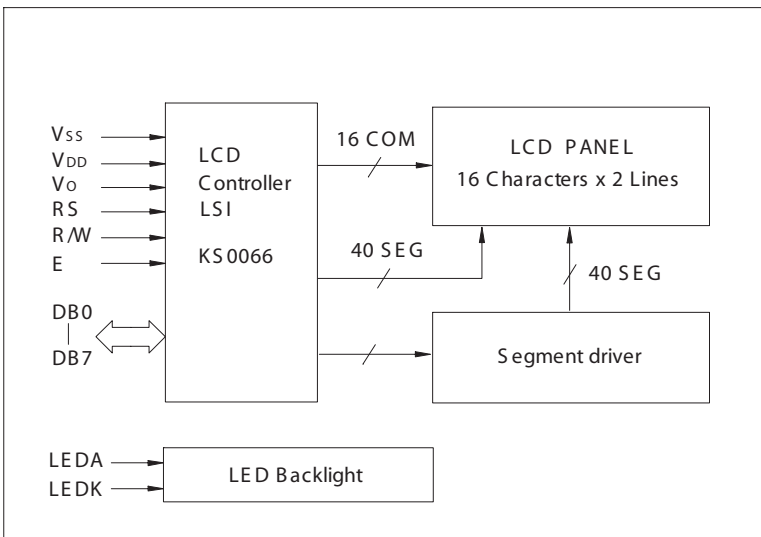
## ELECTRICAL CHARACTERISTICS (V<sub>DD</sub>=5V±0.25V)

Item	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Input High Voltage	V <sub>IH</sub>	--	2.2	--	V <sub>DD</sub>	V
Input Low Voltage	V <sub>IL</sub>	--	-0.3	--	0.6	V
Output High Voltage	V <sub>OH</sub>	I <sub>OH</sub> = -0.205mA	2.4	--	--	V
Output Low Voltage	V <sub>OL</sub>	I <sub>OL</sub> = 1.2mA	--	--	0.4	V
Supply Current	I <sub>DD</sub>	V <sub>DD</sub> =5.0V	--	--	2.0	mA

## PIN CONNECTIONS

Pin	Symbol	Level	Function
1	V <sub>SS</sub>	--	GND ( 0V )
2	V <sub>DD</sub>	--	Supply Voltage for Logic
3	V <sub>O</sub>	--	LCD Driving Voltage
4	RS	H/L	H : Data L : Instruction code
5	R/W	H/L	H : Read L : Write
6	E	H, H→L	Enable Signal
7	DB0	H/L	Data Bus Line
8	DB1	H/L	
9	DB2	H/L	
10	DB3	H/L	
11	DB4	H/L	
12	DB5	H/L	
13	DB6	H/L	
14	DB7	H/L	
15	LEDA	--	LED Backlight Power Supply
16	LEDK	--	

## BLOCK DIAGRAM



## LED BACKLIGHT SPECIFICATIONS (Ta=25 °C)

Item	Symbol	Typ.	Max.	Unit
Forward Voltage	V <sub>f</sub>	4.1	4.3	V
Forward Current	I <sub>f</sub>	240	280	mA
Emission Wave Length	λ <sub>p</sub>	568	--	nm