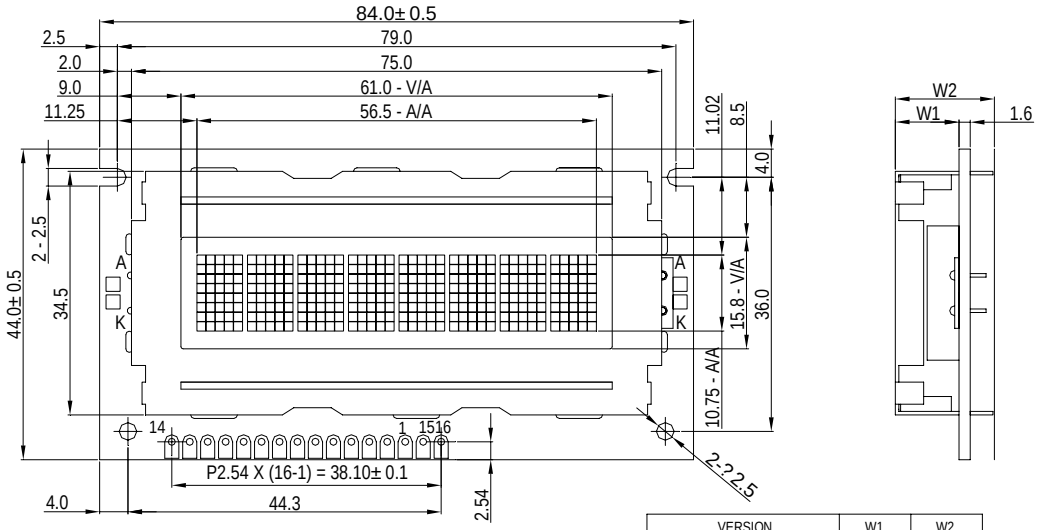
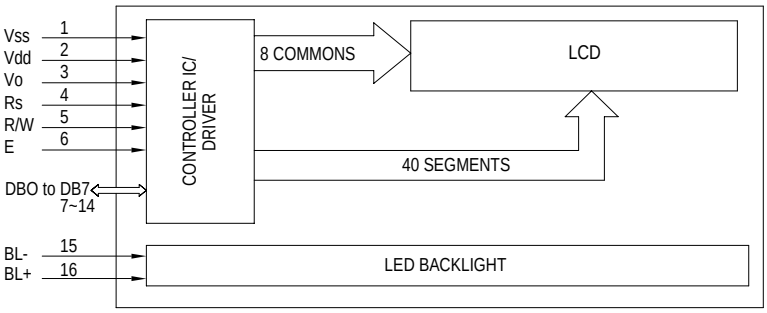
Standard LCD module MC0801-03

OUTLINE DIMENSION

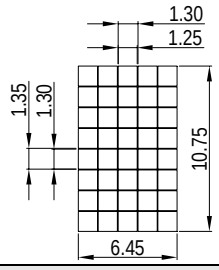


VERSION	W1	W2
NO LED BACKLIGHT	5.80± 0.5	10.50 MAX
BOTTOM LED BACKLIGHT	9.00± 0.5	14.0 MAX

BLOCK DIAGRAM



DISPLAY PATTERN



MECHANICAL SPECIFICATION

Item	Dimensions(W)X(H)	Unit
Overall Size	84.0×44.0	MM
View Area	61.0×15.8	MM
Character	6.45×10.75	MM
Dot Size	1.25×1.30	MM
Dot Pitch	1.30×1.35	MM

PIN ASSIGNMENT

Pin no	Symbol	Function
1	Vss	Power Supply(GND)
2	V_{DD}	Power Supply(+)
3	VO	Contrast Adjust
4	RS	Command data input
5	R/W	Data read / write
6	E	Enable signal
7-14	DB0~DB7	Data bus line
15	BL-	Back light Ground
16	BL+	Back light power supply
OPTION		
15	BL+	Back light power supply
16	BL-	Back light Ground

ABSOLUTE MAXIMUM RATING

Item	Symbol	Condition	Min	Max	Unit
Supply for logic voltage	V_{DD}	25℃	-0.3	7.0	V
LCD driving supply voltage	V_{DD}-Vo	25℃	-0.3	V_{DD}+0.3	V
Input voltage	VI	25℃	-0.3	V_{DD}+0.3	V

ELECTRICAL CHARACTERISTICS

Item	Symbol	Condition	Min	Typical	Max	Unit
Supply voltage for logic	V_{DD}	---	4.5	5.0	5.5	V
Supply current for logic	IDD	---	---	1.0	2.0	mA
Operation voltage for LCD	V_{DD}-Vo	0℃	---	---	---	V
		25℃	4.2	4.5	4.7	V
		50℃	---	---	---	V
Input voltage “H” level	V_{IH}	---	0.7VDD	---	V_{DD}	V
Input voltage “L” level	V_{IL}	---	-0.3	---	0.6	V
Supply voltage for Back light	VBL	---	According to back light type			V
Supply current for back light	IBL	---	According to back light type			mA

REMARKS:

1. LCD options: STN, TN, FSTN.
2. Back light type: LED Back light feature.