RC 4001-L

OKAYA

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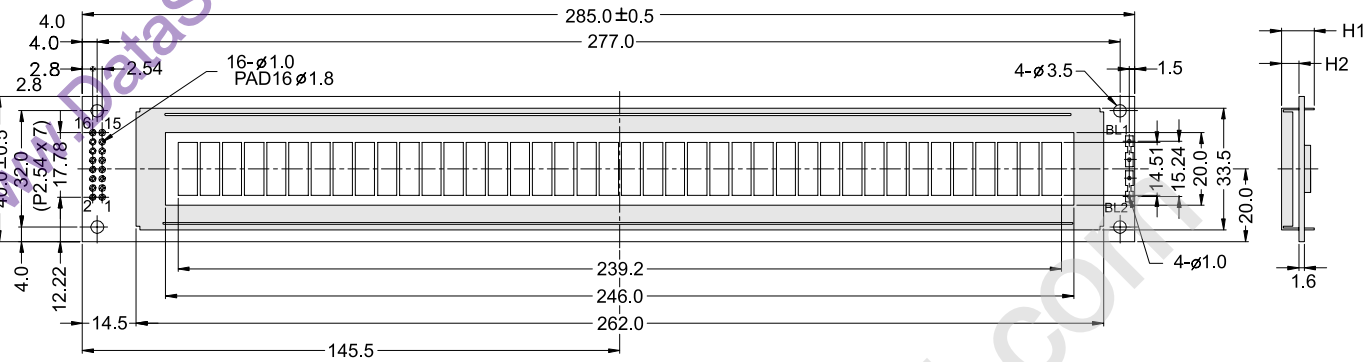
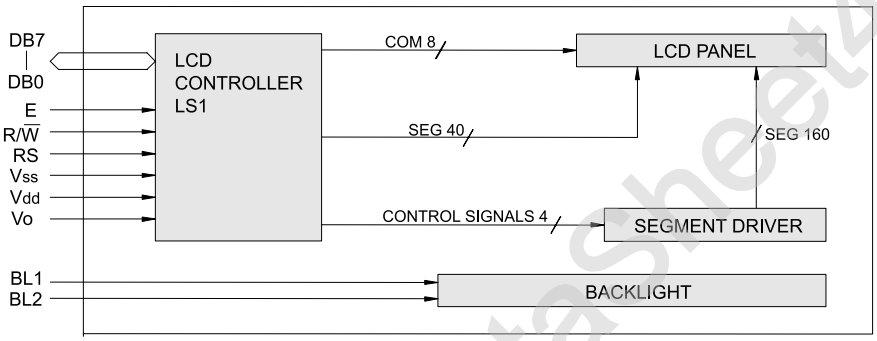
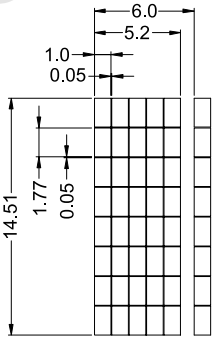
OUTLINE DIMENSION & BLOCK DIAGRAM







The tolerance unless classified ± 0.3mm

MECHANICAL SPECIFICATION			
Overall Size	285.0 x 40.0	Module	H2 / H1
View Area	246.0 x 20.0	W /O B/L	4.7 / 8.8
Dot Size	1.00 x 1.77	EL B/L	4.7 / 8.8
Dot Pitch	1.05 x 1.82	LED B/L	– / –

PIN ASSIGNMENT

Pin no.	Symbol	Function
1	Vss	Power supply(GND)
2	Vdd	Power supply(+)
3	Vo	Contrast Adjust
4	RS	Register select signal
5	R/W	Data read / write
6	E	Enable signal
7	DB0	Data bus line
8	DB1	Data bus line
9	DB2	Data bus line
10	DB3	Data bus line
11	DB4	Data bus line
12	DB5	Data bus line
13	DB6	Data bus line
14	DB7	Data bus line
15	A	Power supply for LED B/L (+)
16	K	Power supply for LED B/L (–)
	BL1	Power supply for EL B/L
	BL2	Power supply for EL B/L

ABSOLUTE MAXIMUM RATING

Item	Symbol	Condition	Min.	Max.	Units
Supply for logic voltage	Vdd-Vss	25°C	-0.3	7	V
LCD driving supply voltage	Vdd-Vee	25°C	-0.3	13	V
Input voltage	Vin	25°C	-0.3	Vdd+0.3	V

ELECTRICAL CHARACTERISTICS

Item	Symbol	Condition	Min.		Typical		Max.		Units
Power supply voltage	Vdd-Vss	25°C	2.7		–		5.5		V
LCD operation voltage	Vop	Top	N	W	N	W	N	W	V
		-20°C	–	7.1	–	7.5	–	7.9	V
		0°C	4.5	4.8	–	5.1	–		V
		25°C	4.1	6.1	4.4	6.4	4.7	6.7	V
		50°C	3.8	–	4.1	–	4.4	–	V
		70°C	–	5.7	–	6	–	6.3	V
LCM current consumption (No B/L)	Idd	Vdd=5V	–		2.5		4		mA
Backlight current consumption	LED/edge	VB/L=4.2V	–		–		–		mA
	LED/array	VB/L=4.2V	–		–		–		mA

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