RC 2004-F

OKAYA

OUTLINE DIMENSION & BLOCK DIAGRAM
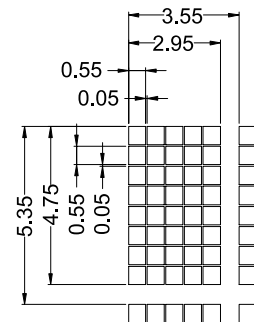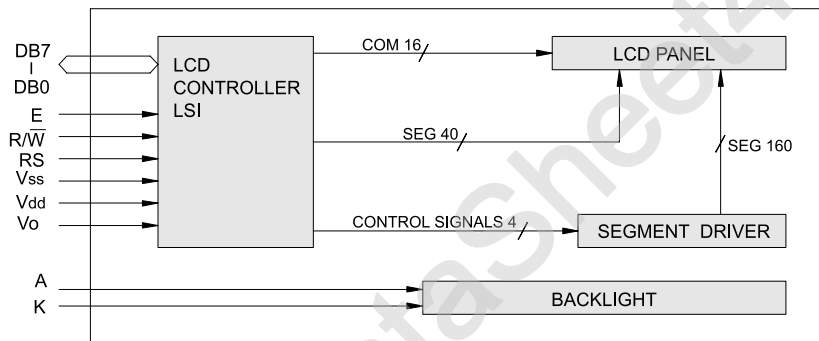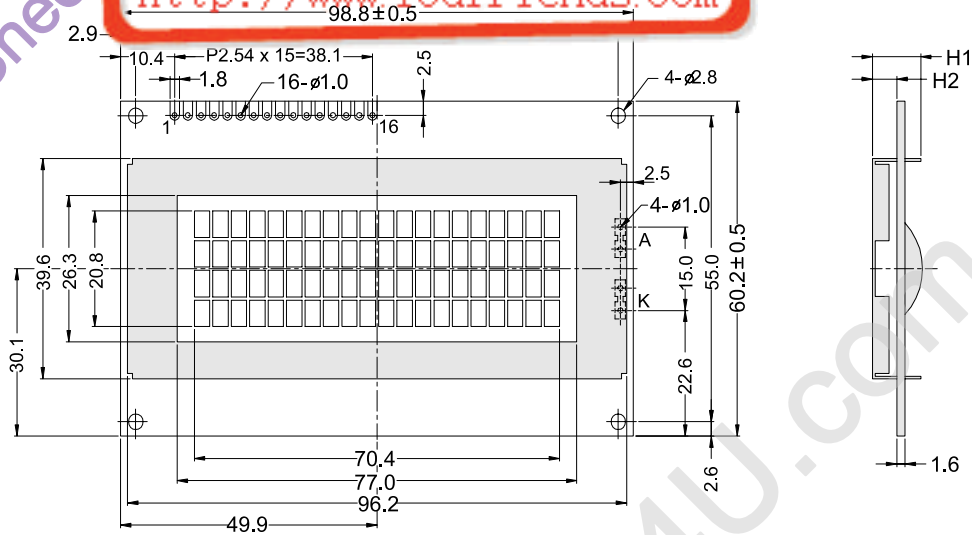
The tolerance unless classified ± 0.3mm

MECHANICAL SPECIFICATION			
Overall Size	98.8 x 60.2	Module	H2 / H1
View Area	77.0 x 26.3	W /O B/L	4.7 / 9.3
Dot Size	0.55 x 0.55	EL B/L	– / –
Dot Pitch	0.60 x 0.60	LED B/L	8.7 / 13.3

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 (−)

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-Vss	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
		Top	N	W	N	W	N	W	V
LCD operation voltage	Vop	-20°C	–	7.1	–	7.5	–	7.9	V
		0°C	4.3	–	4.6	–	4.9	–	V
		25°C	3.9	6.1	4.2	6.4	4.5	6.7	V
		50°C	3.6	–	3.9	–	4.2	–	V
		70°C	–	5.7	–	6	–	6.3	V
LCM current consumption (No B/L)	Idd	Vdd=5V	–		2.5		4	V
Backlight current consumption	LED/edge VB/L=4.2V		–		–		–	mA
	LED/array VB/L=4.2V		–		260		–	mA

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