RG 12232-C

OKAYA

OUTLINE DIMENSION & BLOCK DIAGRAM

122 x 32 Dots
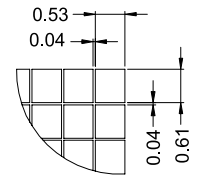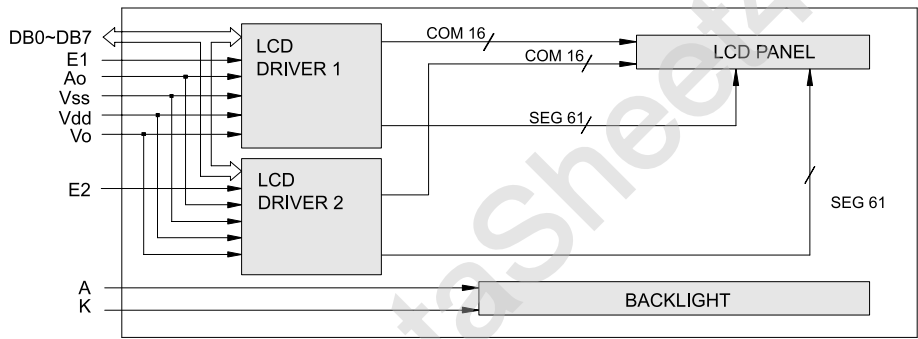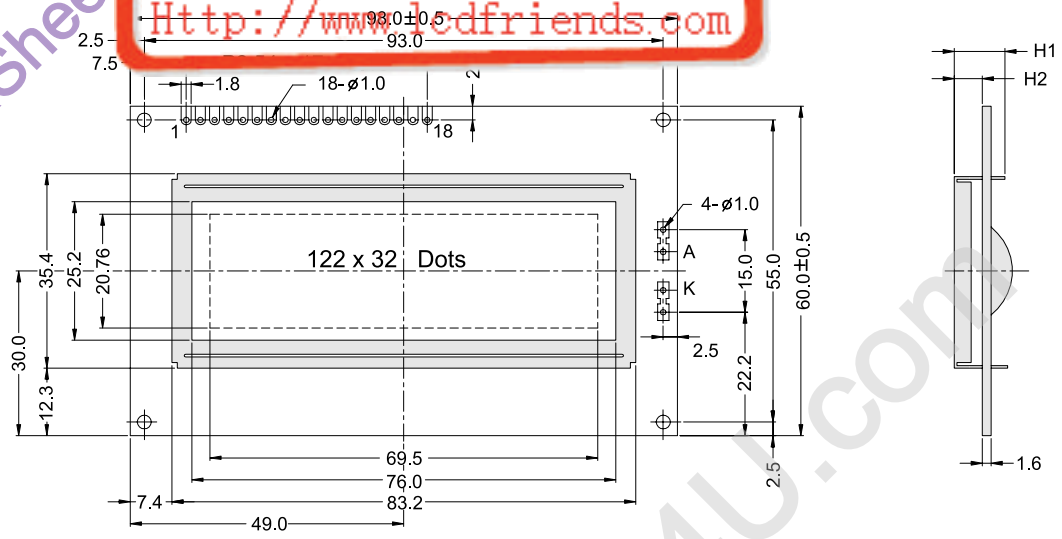
The tolerance unless classified ± 0.3mm

MECHANICAL SPECIFICATION

Overall Size	98.0 x 60.0	Module	H2 / H1
View Area	76.0 x 25.2	W /O B/L	5.0 / 9.1
Dot Size	0.53 x 0.61	EL B/L	− / −
Dot Pitch	0.57 x 0.65	LED B/L	9.4 / 13.5

PIN ASSIGNMENT

Pin no.	Symbol	Function
1	Vss	Power supply(GND)
2	Vdd	Power supply(+)
3	Vo	Contrast Adjust
4	Ao	Command / data select
5	E1	Enable driver 1
6	E2	Enable driver 2
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 (−)
17	N.C	No connection
18	N.C(R/$\overline{W}$)	No connection (R/$\overline{W}$)

ABSOLUTE MAXIMUM RATING

Item	Symbol	Condition	Min.	Max.	Units
Supply for logic voltage	Vdd-Vss	25°C	-0.3	8.0	V
LCD driving supply voltage	Vdd-Vee	25°C	-0.3	16.5	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
		-20°C	−	7.2	−	7.4	−	6.9	V
LCD operation voltage	Vop	0°C	4.9	−	5.1	−	4.6	−	V
		25°C	4.5	6.2	4.7	6.4	4.2	5.9	V
		50°C	3.5	−	3.7	−	3.3	−	V
		70°C	−	5.6	−	5.8	−	5.4	V
LCM current consumption (No B/L)	Idd	Vdd=5V	−		1.0		2.5		mA
Backlight current consumption	LED/edge	VB/L=4.2V	−		−		−		mA
	LED/array	VB/L=4.2V	−		260		−		mA

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