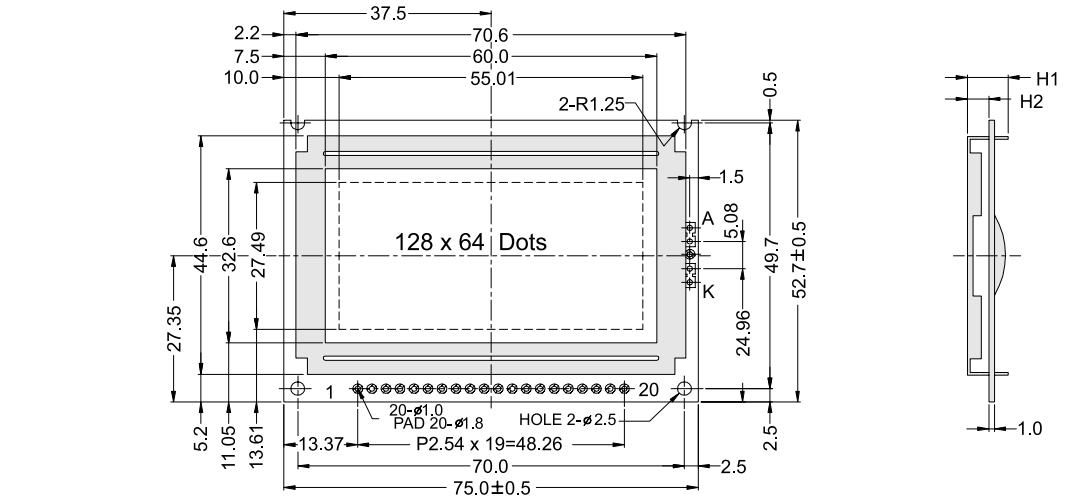
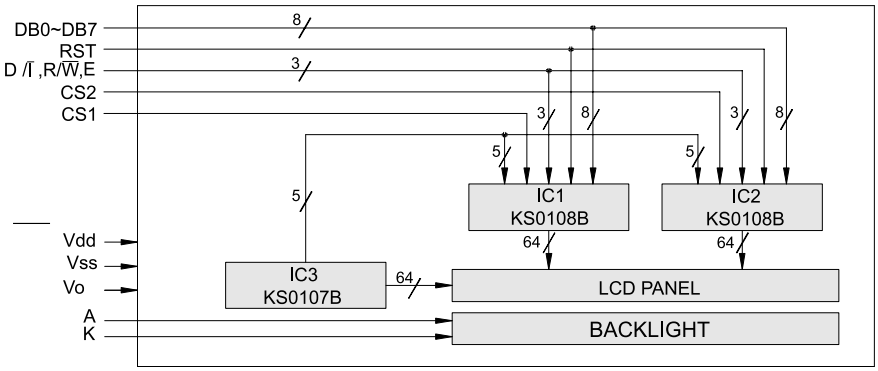
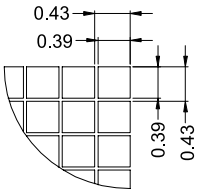
OUTLINE DIMENSION & BLOCK DIAGRAM







The tolerance unless classified ± 0.3mm

MECHANICAL SPECIFICATION			
Overall Size	75.0 x 52.7	Module	H2 / H1
View Area	60.0 x 32.6	W /O B/L	3.9 / 7.4
Dot Size	0.39 x 0.39	EL B/L	3.9 / 7.4
Dot Pitch	0.43 x 0.43	LED B/L	5.4 / 8.4

PIN ASSIGNMENT		
Pin no.	Symbol	Function
1	Vdd	Power supply(+)
2	Vss	Power supply(GND)
3	Vo	Contrast Adjust
4-11	DB0-DB7	Data bus line
12	CS1	Chip select driver 1
13	CS2	Chip select driver 2
14	RST	Reset
15	R/W	Data read / write
16	D /I	Command / data select
17	E	Chip enable singnal
18	Vss	Power supply (GND)
19	A	Power supply for LED B/L(+)
20	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	7.0	V
LCD driving supply voltage	Vdd-Vee	25°C	-0.3	19.0	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	4.5		–		5.5		V
LCD operation voltage	Vop	Top	N	W	N	W	N	W	V
		-20°C	–	8.3	–	9	–	9.7	V
		0°C	8.2	–	8.9	–	9.6	–	V
		25°C	7.7	8.3	8.4	9	9.1	9.7	V
		50°C	7.3	–	8.0	–	8.7	–	V
		70°C	–	7.7	–	8.4	–	9.1	V
LCM current consumption (No B/L)	Idd	Vdd=5V	–		2.5		5		mA
Backlight current consumption	LED/edge	VB/L=4.2V	–		100		–		mA
	LED/array	VB/L=4.2V	–		–		–		mA