OKAYA

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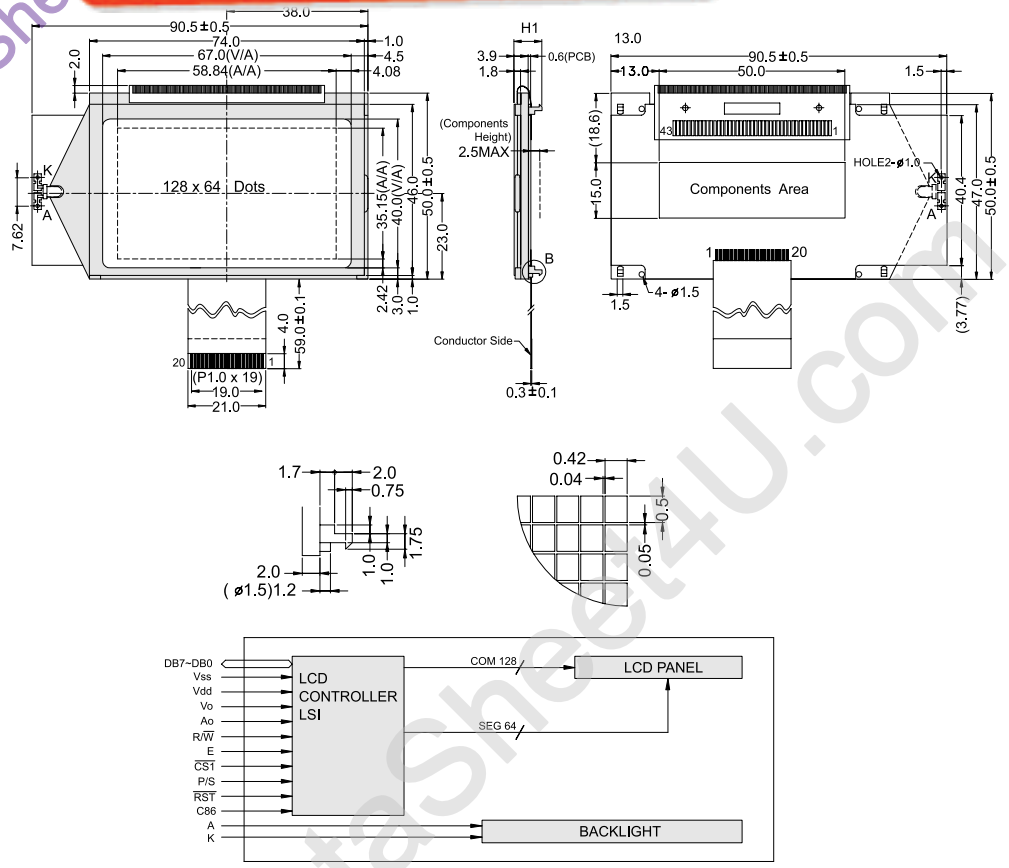
OUTLINE DIMENSION & BLOCK DIAGRAM



The tolerance unless classified ±0.3mm

MECHANICAL SPECIFICATION			
Overall Size	90.5 x 50.0	Module	H2 / H1
View Area	67.0 x 40.0	W /O B/L	– / 7.5
Dot Size	0.42 x 0.5	EL B/L	– / –
Dot Pitch	0.46 x 0.55	LED B/L	– / 7.5

PIN ASSIGNMENT		
Pin no.	Symbol	Function
1	Vss	Power supply(GND)
2	Vdd	Power supply(+)
3	Vo	Contrast Adjust
4	A0	Command / data input
5	R/W	Data read / write signal(/RW)
6	E	Enable signal
7-14	DB0-DB7	Data bus line
15	P/S	Parallel / serial interface select
16	CS1	Chip select
17	RST	Reset
18	C86	8080 / 6800 select
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	18.0	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	1.8		–		5.5		V
LCD operation voltage	Vop	Top	N	W	N	W	N	W	V
		-20°C	–	9.9	–	10.2	–	10.4	V
		0°C	–	–	–	–	–	–	V
		25°C	8.4	–	9.0	–	9.4		V
		50°C	–	–	–	–	–	–	V
		70°C	–	7.8	–	8.0	–	8.3	V
LCM current consumption (No B/L)	Idd	Vdd=5V	–		1.0		2.5		mA
Backlight current consumption	LED/edge	VB/L=3.5V	–		20		–		mA
	LED/array	VB/L=4.2V	–		–		–		mA

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