RG 12864-A/K

OKAYA

OUTLINE DIMENSION & BLOCK DIAGRAM

*RG 12864-   for SMT type
*RG 12864-   for COB type

128 x 64 Dots
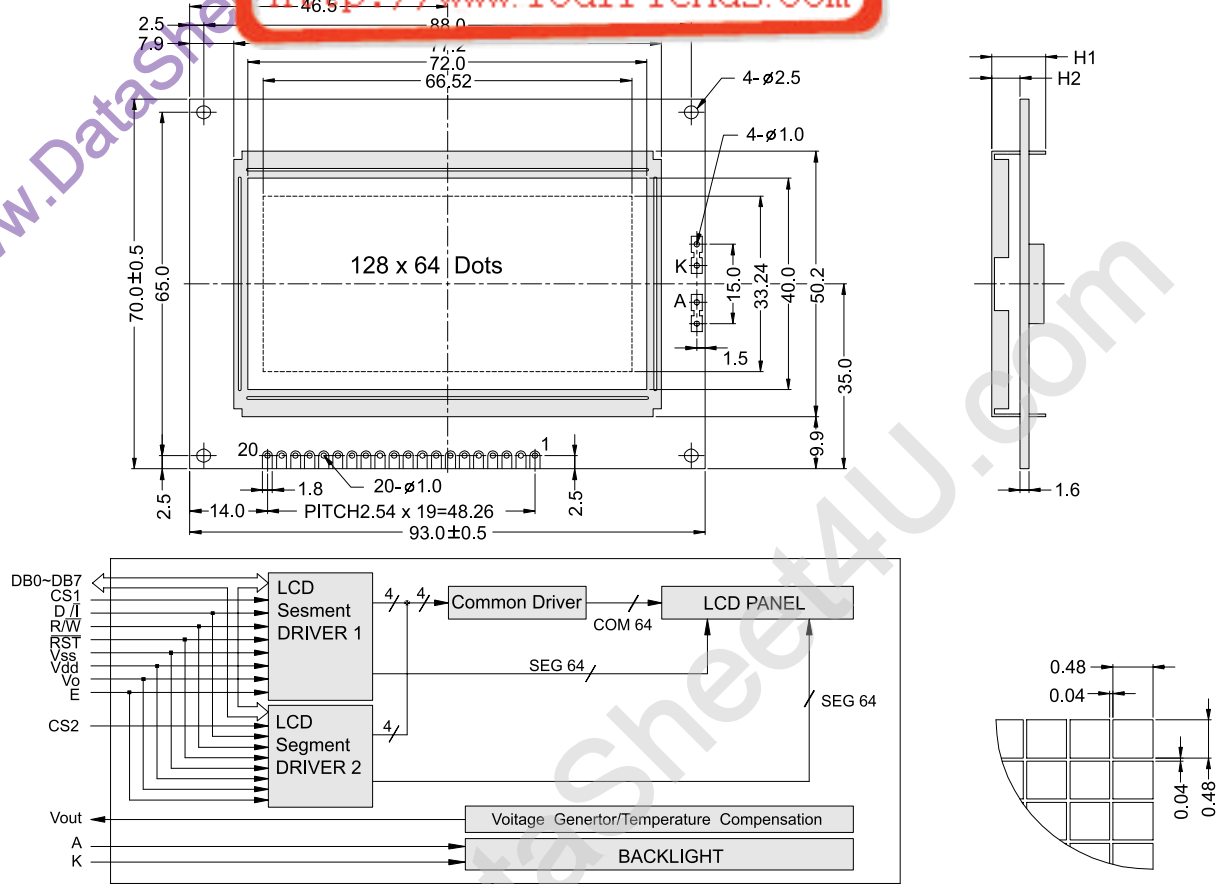
The tolerance unless classified ± 0.3mm

MECHANICAL SPECIFICATION				
Overall Size	93.0 x 70.0	Module	H2 / H1	
View Area	72.0 x 40.0	W /O B/L	5.1 / 9.7	
Dot Size	0.48 x 0.48	EL B/L	5.1 / 9.7	
Dot Pitch	0.52 x 0.52	LED B/L	8.9 / 13.5	

PIN ASSIGNMENT		
Pin no.	Symbol	Function
1	Vss	Power supply(GND)
2	Vdd	Power supply(+)
3	Vo	Contrast Adjust
4	D/I	Command / data input
5	R/W	Data read / write
6	E	Enable signal
7-14	DB0~DB7	Data bus line
15	CS1	Chip selection driver 1
16	CS2	Chip selection driver 2
17	RST	Reset
18	Vout	Negative voultage output
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	—	14.3	—	14.7	—	15.1	V
		0°C	9.7	—	10.2	—	10.7	—	V
		25°C	8.9	13.2	9.4	13.6	9.9	14	V
		50°C	8.6	—	9.1	9.6	—	—	V
		70°C	—	12	—	12.4	—	12.8	V
LCM current consumption (No B/L)	Idd	Vdd=5V	—		2.5		5		mA
Backlight current consumption		LED/edge VB/L=4.2V	—		—		—		mA
		LED/array VB/L=4.2V	—		400		—		mA

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