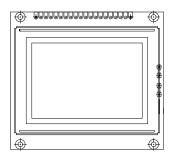




# 128 x 64 Dots Graphic LCD



#### **FEATURES**

- Built-in controller (KS0107 KS0108 re Equivalent)
- + 5V power supply
- 1/64 duty cycle
- N.V. Built-in

MECHANICAL DATA				
ITEM	STANDARD VALUE	UNIT		
Module Dimension	78.0 x 70.0 x 12.1	mm		
Viewing Area	62.0 x 44.0	mm		
Dot Size	0.42 x 0.58	mm		
Dot Pitch	0.44 x 0.60	mm		

ABSOLUTE MAXIMUM RATING					
ITEM	SYMBOL	STAN	UNIT		
		MIN.	TYP.	MAX.	
Power Supply	VDD-VSS	4.5	5.0	5.5	V
Input Voltage	VI	- 0.3	_	VDD	V

NOTE: VSS = 0 Volt, VDD = 5.0 Volt

ELECTRICAL SPECIFICATIONS							
ITEM	SYMBOL	CONDITION		STANDARD VALUE			UNIT
				MIN.	TYP.	MAX.	
Input Voltage	VDD	L level		0.7V <sub>DD</sub>	_	V <sub>DD</sub>	V
	VIO	H level		0	-	0.3V <sub>DD</sub>	V
Supply Current	IDD	VDD = 5V		-	3.5	-	mA
Recommended LC Driving		0°C		9.4	9.9	10.4	
Voltage for Normal Temp.	VDD-V0	25°C		9.4	9.6	10.4	V
Version Module		50°C		9.4	9.2	9.7	
LED Forward Voltage	VF	25°C		_	4.2	4.6	V
LED Forward Current	IF	25°C Array	High		480	960	mA
		25°C Array	Low	-	140	280	mA
EL Power Supply Current	IEL	Vel = 110VAC; 4	00Hz	_	_	5.0	mA

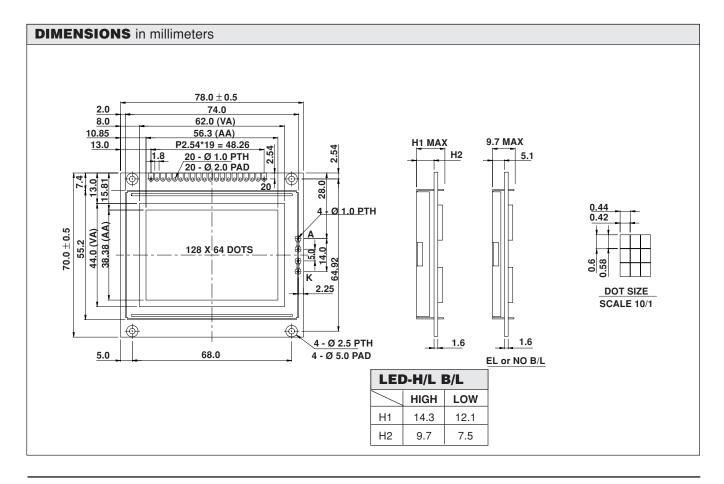
### LCD-128G064C

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### 128 x 64 Dots Graphic LCD



PIN NUMBER	SYMBOL	FUNCTION		
1	CS1	Chip Select for IC1		
2	CS2	Chip Select for IC2		
3	Vss	GND		
4	Vdd	Power Supply (+ 5V)		
5	Vo	Contrast Adjustment		
6	D/I	Data/Instruction		
7	R/W	Data Read/Write		
8	E	H →L Enable Signal		
9	DB0	Data Bus Line		
10	DB1	Data Bus Line		
11	DB2	Data Bus Line		
12	DB3	Data Bus Line		
13	DB4	Data Bus Line		
14	DB5	Data Bus Line		
15	DB6	Data Bus Line		
16	DB7	Data Bus Line		
17	RST	Reset		
18	Vee	Negative Voltage-5V Output		
19	A	Power Supply for LED Backlight (+)		
20	К	Power Supply for LED Backlight (-)		





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