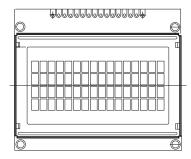




### 16 x 4 Character LCD



MECHANICAL DATA						
ITEM	STANDARD VALUE	UNIT				
Module Dimension	70.6 x 60.0	mm				
Viewing Area	60.0 x 32.6	mm				
Mounting Hole	65.6 x 50.0	mm				
Character Size	2.95 x 4.75	mm				

#### **FEATURES**

- 5 x 8 dots includes cursor
- Built in controller (KS 0066 or Equivalent)
- + 5V power supply (Also available for + 3V)
- 1/16 duty cycle
- B/L to be driven by pin 1, pin 2, or pin 15, pin 16 or A and K
- N.V. optional for + 3V power supply

ABSOLUTE MAXIMUM RATING									
ITEM	SYMBOL	STAN	UNIT						
		MIN.	TYP.	MAX.					
Power Supply	VDD-VSS	- 0.3	_	7.0	V				
Input Voltage	VI	- 0.3	_	VDD	V				

NOTE: VSS = 0 Volt, VDD = 5.0 Volt

ELECTRICAL SPECIFICATIONS									
ITEM	SYMBOL	CONDITION	ST	UNIT					
			MIN.	TYP.	MAX.				
Input Voltage	VDD	VDD = + 5V	4.7	5.0	5.3	V			
		VDD = + 3V	2.7	3.0	5.3	V			
Supply Current	IDD	VDD = + 5V	_	1.65	-	mA			
		- 20 °C	5.0	5.1	5.7				
Recommended LC Driving	VDD - V0	0°C	4.6	4.8	5.2	V			
Voltage for Normal Temp.		25°C	4.1	4.5	4.7				
Version Module		50°C	3.9	4.2	4.5				
		70°C	3.7	3.9	4.3				
EL Power Supply Current	IEL	Vel = 110VAC; 400Hz	_	_	5.0	mA			

DISPLAY CHARACTER ADDRESS CODE:																
Display Position	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
DD RAM Address	00	01														0F
DD RAM Address	40	41														4F
DD RAM Address	10	11														1F
DD RAM Address	50	51														5F

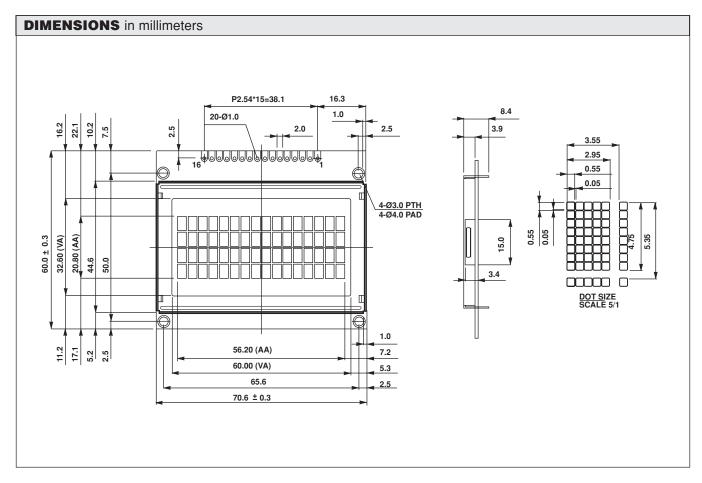
## LCD-016M004B

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#### 16 x 4 Character LCD



PIN NUMBER	SYMBOL	FUNCTION					
1	Vss	GND					
2	Vdd	+ 3V or + 5V					
3	Vo	Contrast Adjustment					
4	RS	H/L Register Select Signal					
5	R/W	H/L Read/Write Signal					
6	E	H →L Enable Signal					
7	DB0	H/L Data Bus Line					
8	DB1	H/L Data Bus Line					
9	DB2	H/L Data Bus Line					
10	DB3	H/L Data Bus Line					
11	DB4	H/L Data Bus Line					
12	DB5	H/L Data Bus Line					
13	DB6	H/L Data Bus Line					
14	DB7	H/L Data Bus Line					
15	A/Vee	+ 4.2V for LED (RA = $0\Omega$ )/Negative Voltage Output					
16	К	Power Supply for B/L (0V)					





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