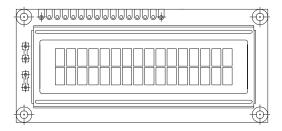
16 x 2 Character LCD



MECHANICAL DATA								
ITEM	STANDARD VALUE	UNIT						
Module Dimension	80.0 x 36.0	mm						
Viewing Area	66.0 x 16.0	mm						
Dot Size	0.56 x 0.66	mm						
Character Size	2.96 x 5.56	mm						

FEATURES

- 5 x 8 dots with 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.K (LED)
- N.V. optional for + 3V power supply

ABSOLUTE MAXIMUM RATING									
ITEM	SYMBOL	STANDARD VALUE UNI							
		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	CONDITIO	ON	ST	UNIT				
				MIN.	TYP.	MAX.	-		
Input Voltage	VDD	VDD = + 5V		4.7	5.0	5.3	V		
		VDD = + 3	V	2.7	3.0	5.3	V		
Supply Current	IDD	VDD = 5\	/	_	1.2	3.0	mA		
		- 20 °C		_	-	-			
Recommended LC Driving	VDD - V0	0°C		4.2	4.8	5.1	V		
Voltage for Normal Temp.		25°C		3.8	4.2	4.6			
Version Module		50°C		3.6	4.0	4.4			
		70°C		_	_	_			
LED Forward Voltage	VF	25°C		_	4.2	4.6	V		
LED Forward Current	IF	25°C	Array	_	130	260	mA		
			Edge	_	20	40			
EL Power Supply Current	IEL	Vel = 110VAC:400Hz		_	_	5.0	mA		

DISPLAY CH	DISPLAY CHARACTER ADDRESS CODE:															
Display Position	_	0	0	4	_	0	7	0	0	4.0	44	40	4.0		4.5	40
	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
-																

LCD-016M002B

Vishay

16 x 2 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/Negative Voltage Output
16	К	Power Supply for B/L (OV)

