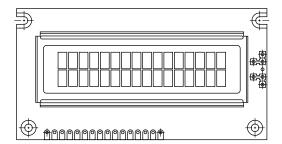


16 x 2 Character LCD



MECHANICAL DATA							
ITEM	STANDARD VALUE	UNIT					
Module Dimension	84.0 x 44.0						
Viewing Area	66.0 x 16.0						
Dot Size	0.55 x 0.65	mm					
Dot Pitch	0.60 x 0.70] '''''					
Mounting Hole	76.0 x 36.0						
Character Size	2.95 x 5.55						

FEATURES

• Type: Character

• Display format: 16 x 2 characters

• Built-in controller: KS 0066 (or equivalent)

• Duty cycle: 1/16

• 5 x 8 dots includes cursor

• + 5 V power supply (also available for + 3 V)

• LED can be driven by pin 1, pin 2, pin 15, pin 16 or A and K

• N.V. optional for + 3 V power supply

• Optional: Smaller character size (2.95 mm x 4.35 mm)

• Compliant to RoHS directive 2002/95/EC

ABSOLUTE MAXIMUM RATINGS								
ITEM	SYMBOL		STANDARD VALUE					
IIEWI	STWIDOL	MIN.	TYP.	MAX.	UNIT			
Power Supply	V _{DD} to V _{SS}	- 0.3	-	7.0	V			
Input Voltage	VI	- 0.3	-	V_{DD}	v			

Note

• $V_{SS} = 0 \text{ V}, V_{DD} = 5.0 \text{ V}$

ELECTRICAL CHARACTERISTICS								
ITEM	SYMBOL	CONDITION	ST	LINUT				
	STWIBOL	CONDITION	MIN.	TYP.	MAX.	UNIT		
Input Voltage	V_{DD}	V _{DD} = + 5 V	4.7	5.0	5.3	V		
Supply Current	I _{DD}	V _{DD} = + 5 V	-	1.2	1.5	mA		
Recommended LC Driving Voltage for Normal Temperature		- 20 °C	-	-	5.2			
		0 °C	-	-	4.2	1		
	V_{DD} to V_{0}	25 °C	-	3.8	-	٧		
Version Module		50 °C	3.5	-	-			
		70 °C	3.2	-	-			
LED Forward Voltage	V _F	25 °C	-	4.2	4.6	٧		
LED Forward Current - Array		05.00	-	100	-	0		
LED Forward Current - Edge	⊢ I _F	25 °C	-	20	40	mA		
EL Power Supply Current	I _{EL}	V _{EL} = 110 V _{AC} , 400 Hz	-	-	5.0	mA		

OPTION	OPTIONS									
		PROCES	S COLOR		BACK	LIGHT				
TN	STN Gray	STN Yellow	STN Blue	FSTN B&W	STN Color	None	LED	EL	CCFL	
Х	х	х	х			Х	х	х		

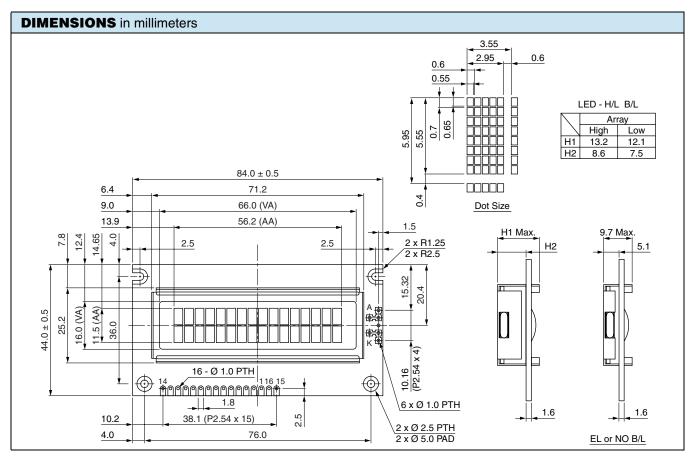
For detailed information, please see the "Product Numbering System" document.

16 x 2 Character LCD



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	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
DD RAM Address	40	41	42	43	44	45	46	47	48	49	4A	4B	4C	4D	4E	4F

INTERFACE PIN FUNCTION							
PIN NO.	SYMBOL	FUNCTION					
1	V _{SS}	Ground					
2	V _{DD}	+ 3 V or + 5 V					
3	V ₀	Contrast adjustment					
4	RS	H/L register select signal					
5	R/W	H/L read/write signal					
6	E	H ightarrow 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/V _{EE}	+ 4.2 V for LED ($R_A = 0 \Omega$)/negative voltage output					
16	K	Power supply for B/L (0 V)					





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Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
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- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001:
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина,

дом 2, корпус 4, литера А.