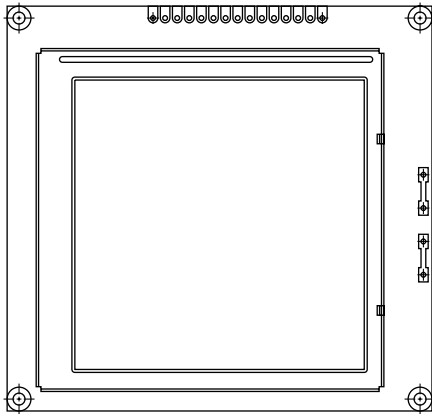


160 x 160 Graphic LCD



FEATURES

- Type: Graphic
- Display format: 160 x 160 dots
- Built-in controller: None
- Duty cycle: 1/160
- + 5 V power supply
- Compliant to RoHS directive 2002/95/EC


RoHS
COMPLIANT

MECHANICAL DATA		
ITEM	STANDARD VALUE	UNIT
Module Dimension	89.2 x 85.0	mm
Viewing Area	62.0 x 62.0	
Dot Size	0.34 x 0.34	
Dot Pitch	0.38 x 0.38	
Mounting Hole	84.2 x 80.0	
Character Size	N/a	

ABSOLUTE MAXIMUM RATINGS					
ITEM	SYMBOL	STANDARD VALUE			UNIT
		MIN.	TYP.	MAX.	
Power Supply	V_{DD} to V_{SS}	4.75	5.0	5.52	V
Input Voltage	V_I	0	-	V_{DD}	

Note

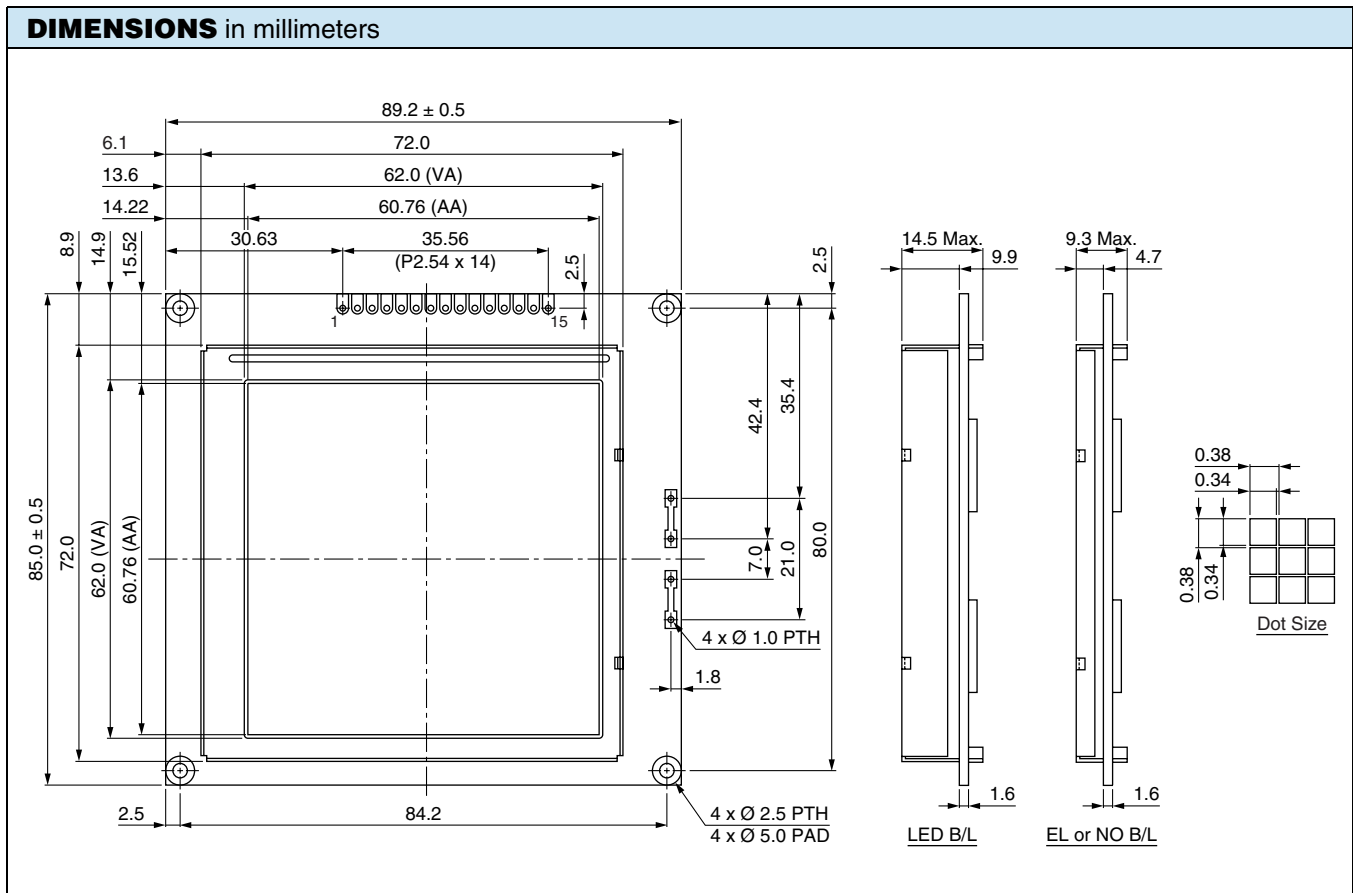
- $V_{SS} = 0$ V, $V_{DD} = 5.0$ V

ELECTRICAL CHARACTERISTICS						
ITEM	SYMBOL	CONDITION	STANDARD VALUE			UNIT
			MIN.	TYP.	MAX.	
Input Voltage	V_{DD}	L level	0.7 V_{DD}	-	V_{DD}	V
	V_{IO}	H level	-	-	0.3 V_{DD}	V
Supply Current	I_{DD}	$V_{DD} = +5$ V	-	1.5	3.0	mA
Recommended LC Driving Voltage for Normal Temperature Version Module	V_{DD} to V_0	-20 °C	16.5	18.0	19.5	V
		0 °C	16.3	17.8	19.3	
		25 °C	15.5	17.0	18.5	
		50 °C	14.5	16.0	17.5	
		70 °C	14.3	15.8	17.3	
LED Forward Voltage	V_F	25 °C	-	4.2	4.6	V
LED Forward Current	I_F	25 °C	-	500	1000	mA
EL Power Supply Current	I_{EL}	$V_{EL} = 110$ V _{AC} , 400 Hz	-	-	5.0	mA

OPTIONS									
PROCESS COLOR						BACKLIGHT			
TN	STN Gray	STN Yellow	STN Blue	FSTN B&W	STN Color	None	LED	EL	CCFL
	x	x	x	x		x	x	x	

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

INTERFACE PIN FUNCTION			
PIN NO.	SYMBOL	PIN NO.	FUNCTION
1	V _{SS}		Ground
2	M		Control signal for AC driving
3	FLM		The FLM signal indicates the beginning of each display cycle
4	CL1		The CL1 latches the serial data in shift register
5	CL2		Clock signal for shifting the serial data
6	DB3		Data bus line
7	DB2		Data bus line
8	DB1		Data bus line
9	DB0		Data bus line
10	V _{EE}		Power supply for LCD driving
11	V _{DD}		Power supply (+ 5 V)
12	V ₀		Contrast adjustment
13	DISPOFF		Control display off; 0: Off/1: On
14	A		Power supply for
15	K		Power supply for





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- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
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- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
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JONHON

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Телефон: 8 (812) 309-75-97 (многоканальный)

Факс: 8 (812) 320-03-32

Электронная почта: ocean@oceanchips.ru

Web: <http://oceanchips.ru/>

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, д. 2, корп. 4, лит. А