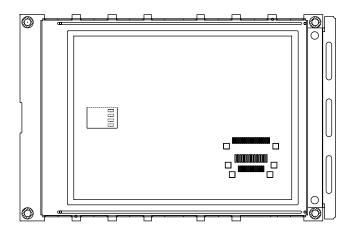




320 x 240 Graphic LCD



FEATURES

• Type: Graphic

Display format: 320 x 240 dotsBuilt-in controller: RA8803

Duty cycle: 1/240Built-in N.V.

• Touch screen option

• Temperature compensation option

· Chinese version

• Same size with LCD-320H240B

• Compliant to RoHS directive 2002/95/EC

MECHANICAL DATA					
ITEM	STANDARD VALUE	UNIT			
Module Dimension	166.8 x 109.0				
Viewing Area	122.0 x 92.0				
Dot Size	0.34 x 0.34	mm			
Dot Pitch	0.36 x 0.36	mm			
Mounting Hole	152.0 x 101.0				
Character Size	N/a				

ABSOLUTE MAXIMUM RATINGS						
ITEM	CVMPOL	STAN	LINUT			
ITEM	SYMBOL	MIN.	TYP.	MAX.	UNIT	
Power Supply	V _{DD} to V _{SS}	4.75	5.0	5.25	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	STANDARD VALUE			LINUT	
	STWBOL	CONDITION	MIN.	TYP.	MAX.	UNIT	
Input Voltage	V _{DD}	-	4.5	5.0	5.5	V	
Supply Current	I _{DD}	$V_{DD} = +5.0 \text{ V}$	-	110.0	-	mA	
Recommended LC Driving Voltage for Normal Temperature		- 20 °C	-	-	26.1		
	V ₀ to V _{SS}	25 °C	-	23.8	-	V	
Version Module		70 °C	20.9	-	-		
CCFL Starting Voltage	V _{FLS}	25 °C	-	600	-	V _{RMS}	
CCFL Driving Voltage	V _{FLD}	25 °C	-	270	-	V _{RMS}	
CCFL Driving Current	I _{FLD}	$V_{FQ} = 450 V_{RMS}$, 30 kHz	4.8	5.3	5.5	mA _{RMS}	
LED Forward Voltage	V _F	25 °C	-	4.2	4.6	V	
LED Forward Current	I _F	25 °C	-	180	360	mA	
EL Power Supply Current	I _{EF}	V _{EL} = 110 V _{AC} , 400 Hz	-	-	5.0	mA	

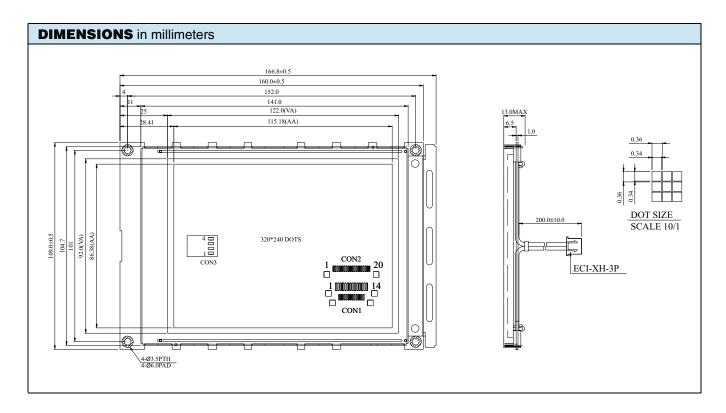
OPTIONS									
	PROCESS COLOR				BACKLIGHT				
TN	STN Gray	STN Yellow	STN Blue	FSTN B&W	STN Color	None	LED	EL	CCFL
	х	х	x	х		х	x	х	х

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

320 x 240 Graphic LCD



INTERFACE PIN FUNCTION						
PIN NO.	SYMBOL	FUNCTION				
1	V _{SS}	Ground				
2	V _{DD}	Power supply for logic				
3	V ₀	Driving voltage for LCD				
4	RS	Register/data select				
5	WR	8080 family: Write signal/6800 family: R/W signal				
6	RD	8080 family: Read signal/6800 family: Enable clock				
7	DB0	Date bus line				
8	DB1	Date bus line				
9	DB2	Date bus line				
10	DB3	Date bus line				
11	DB4	Date bus line				
12	DB5	Date bus line				
13	DB6	Date bus line				
14	DB7	Date bus line				
15	CS	Chip select				
16	RES	Reset				
17	V _{EE}	Negative voltage output				
18	BUSY	RA8803 start				
19	INT	Programable interrupt for 8803				
20	NC	No connection				





Vishay

Disclaimer

All product specifications and data are subject to change without notice.

Vishay Intertechnology, Inc., its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, "Vishay"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained herein or in any other disclosure relating to any product.

Vishay disclaims any and all liability arising out of the use or application of any product described herein or of any information provided herein to the maximum extent permitted by law. The product specifications do not expand or otherwise modify Vishay's terms and conditions of purchase, including but not limited to the warranty expressed therein, which apply to these products.

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document or by any conduct of Vishay.

The products shown herein are not designed for use in medical, life-saving, or life-sustaining applications unless otherwise expressly indicated. Customers using or selling Vishay products not expressly indicated for use in such applications do so entirely at their own risk and agree to fully indemnify Vishay for any damages arising or resulting from such use or sale. Please contact authorized Vishay personnel to obtain written terms and conditions regarding products designed for such applications.

Product names and markings noted herein may be trademarks of their respective owners.

Document Number: 91000 Revision: 18-Jul-08

www.vishay.com