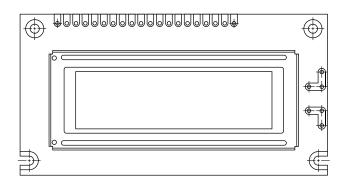




RoHS

COMPLIANT

122 x 32 Graphic LCD



FEATURES

- Type: Graphic
- Display format: 122 x 32 dots
- Built-in controller: ST7920
- Duty cycle: 1/32
- Chinese version
- Same size with LCD-122H032A
- Compliant to RoHS directive 2002/95/EC

MECHANICAL DATA				
ITEM	STANDARD VALUE	UNIT		
Module Dimension	84.0 x 44.0			
Viewing Area	60.0 x 18.0			
Dot Size	0.40 x 0.45			
Dot Pitch	0.44 x 0.49	- mm		
Mounting Hole	79.0 x 36.0			
Character Size	N/a			

ABSOLUTE MAXIMUM RATINGS STANDARD VALUE ITEM SYMBOL UNIT TYP. MIN. MAX. Power Supply V_{DD} to V_{SS} 0 -7.0 V Input Voltage 0 $V_{\rm I}$ - V_{DD}

Note

• $V_{SS} = 0 V, V_{DD} = 5.0 V$

ELECTRICAL CHARACTERISTICS							
ITEM	SYMBOL	CONDITION	STANDARD VALUE			UNIT	
	STMBOL	CONDITION	MIN.	TYP.	MAX.		
Input Voltage	V _{DD}	-	4.5	5.0	5.5	V	
Supply Current	I _{DD}	V _{DD} = + 5 V	1.2	1.4	1.8	mA	
Recommended LC Driving Voltage for Normal Temperature		- 20 °C	-	-	5.2		
	V_{DD} to V_0	25 °C	-	4.4	-	V	
Version Module		70 °C	3.7	-	-		
CCFL Starting Voltage	V _{FLS}	25 °C	-	-	-	V _{RMS}	
CCFL Driving Voltage	V _{FLD}	25 °C	-	-	-	V _{RMS}	
CCFL Driving Current	I _{FLD}	V _{FQ} = 450 V _{RMS} , 30 kHz	-	-	-	mA _{RMS}	
LED Forward Voltage	V _F	25 °C	4.0	4.2	4.4	V	
LED Forward Current	I _F	25 °C	90	120	180	mA	
EL Power Supply Current	I _{EF}	V _{EL} = 110 V _{AC} , 400 Hz	-	-	5.0	mA	

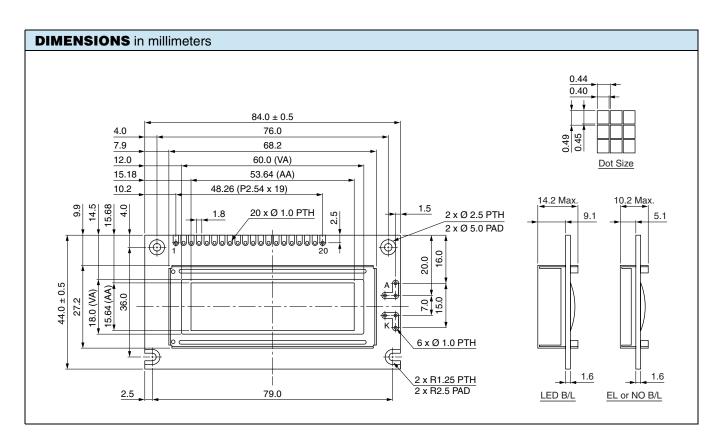
OPTIONS									
PROCESS COLOR					BACKLIGHT				
TN	STN Gray	STN Yellow	STN Blue	FSTN B&W	STN Color	None	LED	EL	CCFL
	х	х	х	х		х	х	х	

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

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INTERFACE PIN FUNCTION					
PIN NO.	SYMBOL	FUNCTION			
1	V _{SS}	Ground			
2	V _{DD}	Supply voltage for logic			
3	V ₀	Operating voltage for LCD			
4	RS	H/L register select signal			
5	V _{OUT}	Positive voltage output			
6	NC	NC			
7	NC	NC			
8	E	Enable signal			
9	R/W	H: Read data/L: Write data			
10	DB0	Data bus line			
11	DB1	Data bus line			
12	DB2	Data bus line			
13	DB3	Data bus line			
14	DB4	Data bus line			
15	DB5	Data bus line			
16	DB6	Data bus line			
17	DB7	Data bus line			
18	RES	L: Reset the LCM			
19	A	Power supply for B/L (+)			
20	к	Power supply for B/L (-)			





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