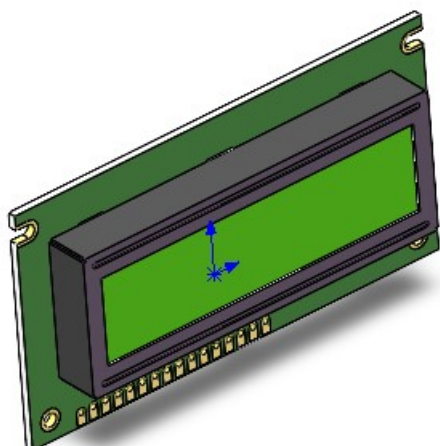


8x1 Character LCD



FEATURES

- Type: Character
- Display format: 8x1 Character
- Controller IC: ST7066U(or equivalent)
- Duty cycle: 1/8
- 5x8 dots includes cursor
- +5.0V power supply (also available for +3.3V)

MECHANICAL DATA		
ITEM	STANDARD VALUE	UNIT
Module Dimension	84.00 x 44.00	mm
Viewing Area	64.50 x 16.40	
Active Area	57.30 x 10.80	
Dot Size	1.30 x 1.30	
Dot Pitch	1.40 x 1.40	
Character Size	6.50 x 10.80	
height	4.7 / 8.6	

ABSOLUTE MAXIMUM RATINGS					
ITEM	SYMBOL	MIN	TYP	MAX	UNIT
Power Supply	VDD - VSS	0	-	7.0	V
Input Voltage	Vin	0	-	VDD	

Note

- VSS=0 V , VDD=3.3 V / 5.0V

ELECTRICAL CHARACTERISTICS						
ITEM	SYMBOL	CONDITION	STANDARD VALUE			UNIT
			MIN	TYP	MAX	
Supply voltage for LCD	VDD-V0	Ta =25℃	3.1/4.3	3.3/4.5	3.5/4.7	V
Input voltage	VDD		3.1/4.8	3.3/5.0	3.5/5.2	
Supply current	IDD	Ta=25℃, VDD=3.3V/5.0V	0.5	1.5	2.5	mA
LED Forward Voltage	Vf	Ta =25℃	3.1/4.8	3.3/5.0	3.5/5.2	V
LED Forward current-Array	If		90	120	180	mA
LED Forward current-Edge			20	30	40	

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

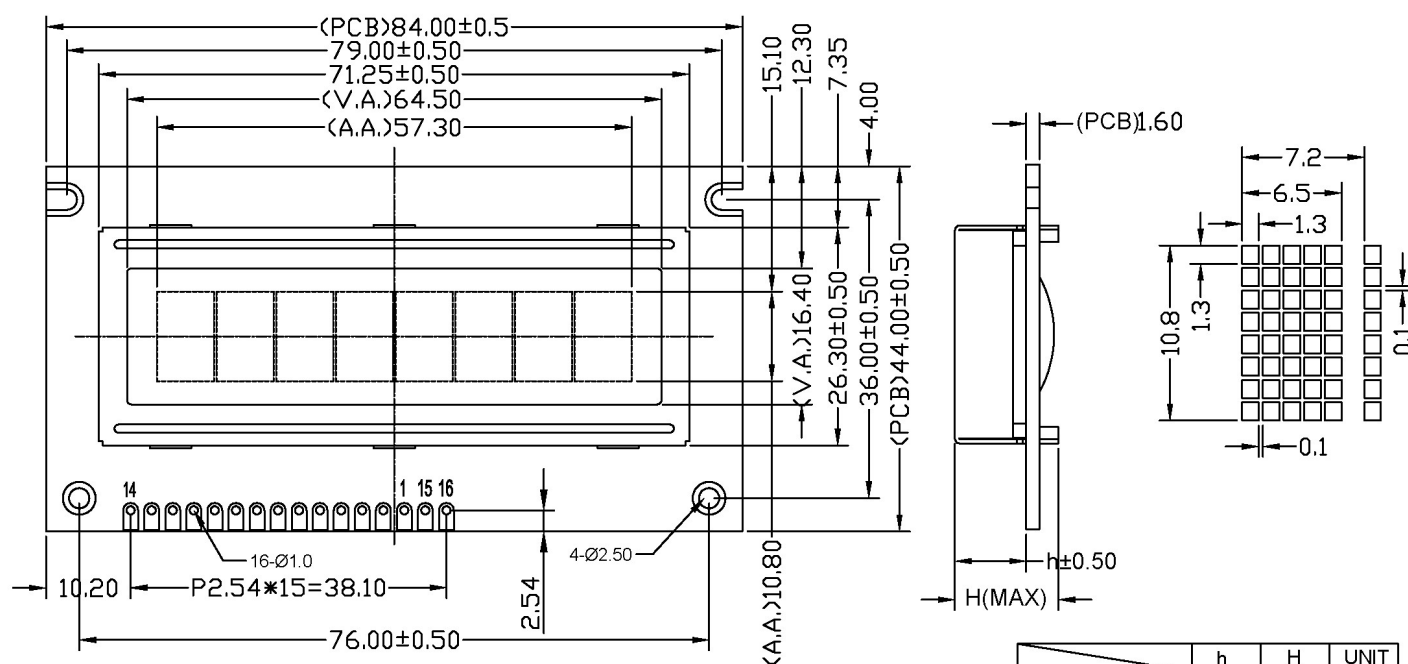
For detailed information, please refer to the "Product Numbering System" document.

Display character address code							
1	2	3	4	5	6	7	8
00	01	02	03	04	05	06	07

INTERFACE PIN FUNCTION

PIN NO.	SYMBOL	FUNCTION
1	VSS	Ground
2	VDD	+3.3V or +5.0V
3	V0	Contrast adjustment
4	RS	H/L Register select signal
5	RW	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	LED+	Power supply for BKL
16	LED-	Power supply for BKL

DIMENSIONS in millimeters



	h	H	UNIT
WITHOUT BKL/EL	4.60	9.00	mm
SIDE BKL	8.60	13.50	mm
ARRAY BKL			

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