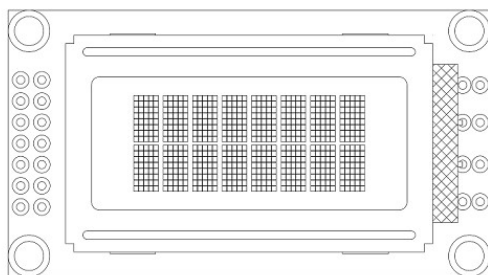


8X2 Character LCD



FEATURES

- Type: Character
- Display format: 8x2 Character
- Controller IC: AIP31066
- Duty cycle: 1/16
- 5x8 dots includes cursor
- +5.0V power supply

MECHANICAL DATA		
ITEM	STANDARD VALUE	UNIT
Module Dimension	58.00 x 32.00	mm
Viewing Area	38.00 x 16.00	
Active Area	27.81 x 11.50	
Dot Size	0.56 x 0.66	
Dot Pitch	0.60 x 0.70	
Character Size	2.96 x 5.56	
Height	13.5	

ABSOLUTE MAXIMUM RATINGS					
ITEM	SYMBOL	MIN	TYP	MAX	UNIT
Power Supply	VDD - VSS	0	-	7.0	V
Input Voltage	V _{in}	0	-	VDD	

Note

- VSS=0 V , VDD=5.0V

ELECTRICAL CHARACTERISTICS						
ITEM	SYMBOL	CONDITION	STANDARD VALUE			UNIT
			MIN	TYP	MAX	
Supply voltage for LCD	VDD-V0	Ta =25°C	4.3	4.5	4.7	V
Input voltage	VDD		4.8	5.0	5.2	
Supply current	IDD	Ta=25°C, VDD=5.0V	0.5	1.5	2.5	mA
LED Forward Voltage	V _f	Ta =25°C	4.8	5.0	5.2	V
LED Forward current-Edge	I _f		15	20	25	mA

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

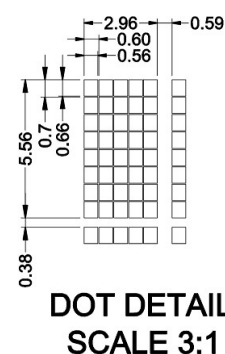
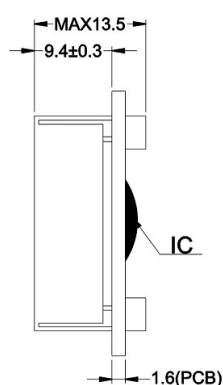
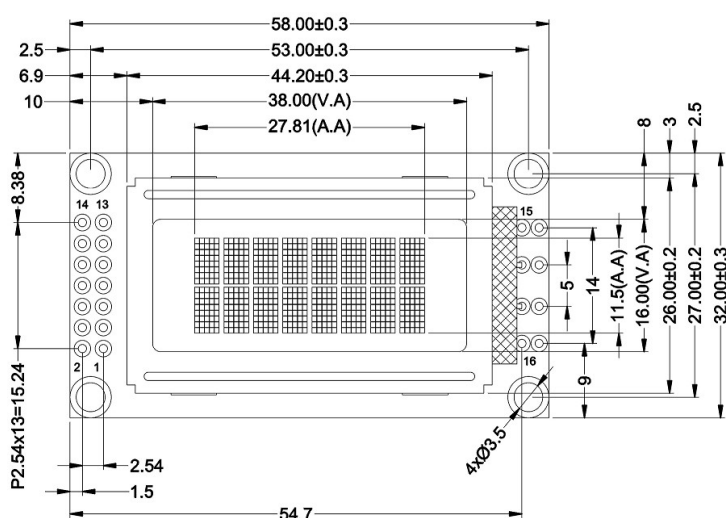
For detailed information, please refer to the "Product Numbering System" document.

Display character address code							
1	2	3	4	5	6	7	8
00	01	02	03	04	05	06	07
40	41	42	43	44	45	46	47

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



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