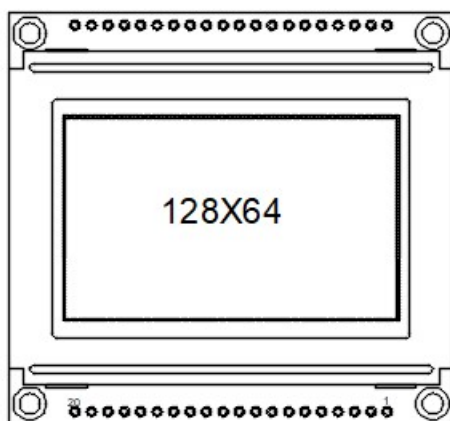


128x64 Graphic LCD



FEATURES

- Type: Graphic
- Display format: 128 x 64 dots
- Controller IC: AIP31108U (or equivalent)
- Duty cycle: 1/64
- +5.0V power supply

MECHANICAL DATA

ITEM	STANDARD VALUE	UNIT
Module Dimension	54.00 x 50.00	mm
Viewing Area	43.50 x 29.00	
Active Area	40.92 x 24.92	
Dot Size	0.23 x 0.27	
Dot Pitch	0.29 x 0.3	
height	6.20	

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= 5.0V

ELECTRICAL CHARACTERISTICS

ITEM	SYMBOL	CONDITION	STANDARD VALUE			UNIT
			MIN	TYP	MAX	
Supply voltage for LCD	VDD-V0	Ta =25℃	10.3	10.5	10.7	V
Input voltage	VDD		4.8	5.0	5.2	
Supply current	IDD	Ta=25℃, VDD=5.0V	2.0	3.5	5.5	mA
LED Forward Voltage	Vf	Ta =25℃	4.8	5.0	5.2	V
LED Forward current-Edge			50	60	70	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 o the “Product Numbering System” document.

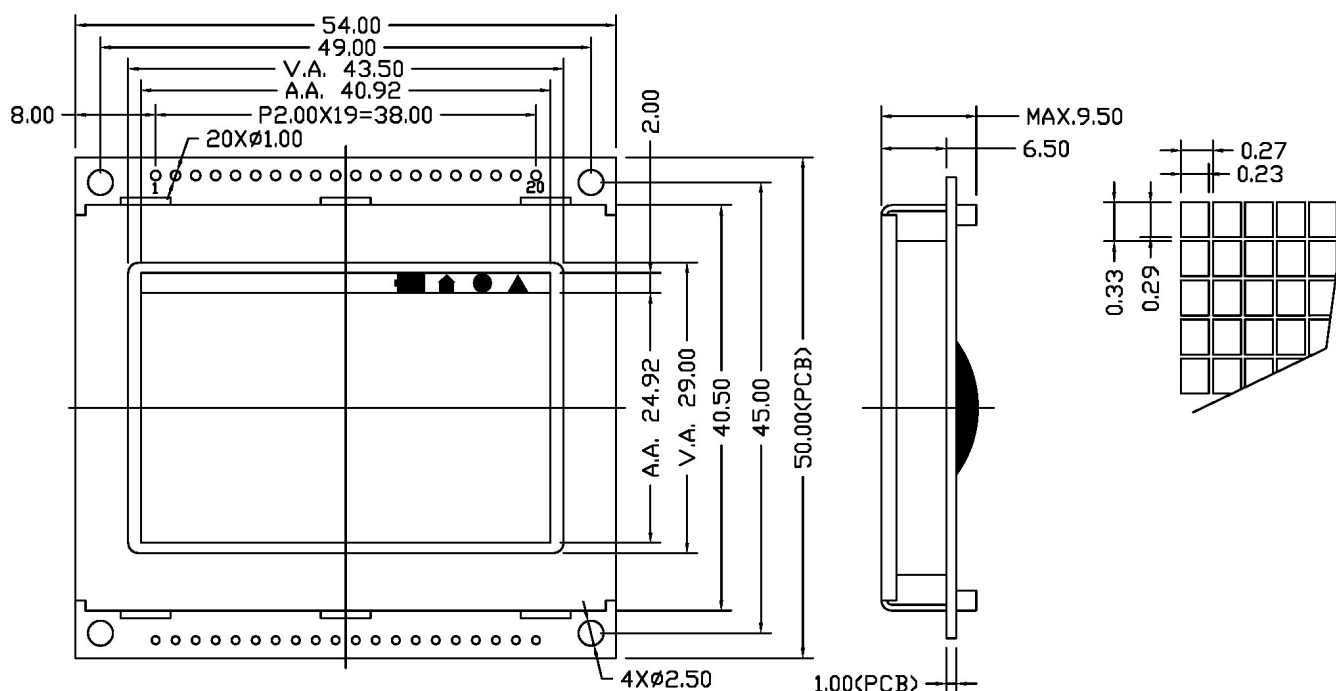
INTERFACE PIN FUNCTION

PIN NO.	SYMBOL	FUNCTION
1	VSS	Ground
2	VDD	Power supply (+5.0V)
3	V0	Contrast adjustment
4	D/I	H/L Register select signal

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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	/CS1	Chip select signal for IC1
16	/CS2	Chip select signal for IC2
17	/RST	Reset Signal
18	VEE	Negative voltage output
19	A	Power supply for BKL
20	K	Power supply for BKL
21-40	-	NC

DIMENSIONS in millimeters



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