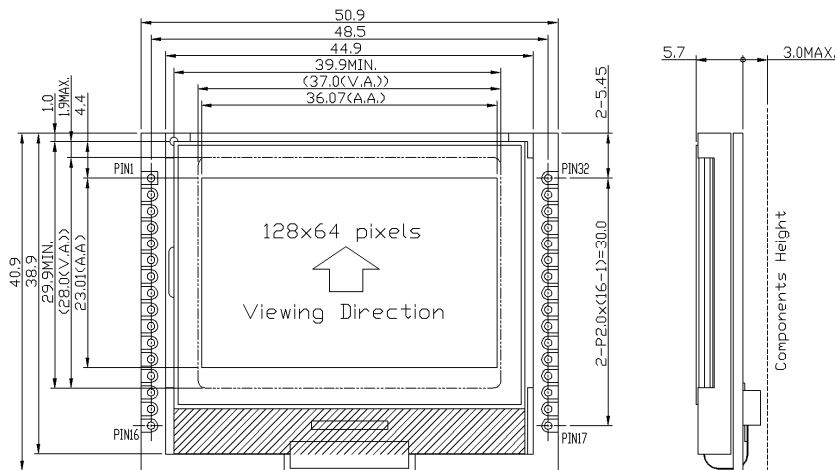


## OUTLINE DRAWING



## FEATURES

- 128x64 dots, COG type, cost effective
- Compact design, Low power consumption, 3.3v power supply
- Parallel or Serial interface optional
- Ultra high contrast, white LED backlight
- FSTN-positive or STN-Blue display optional
- Widely applied on hand-held devices

## MECHANICAL DATA

Item	Value
Outline (mm)	50.9 x 40.9 x 8.7MAX.
Viewing Area (mm)	37.0 x 28.0
Active Area (mm)	36.07 x 23.01
Dot Pitch (mm)	0.282 x 0.36
Dot Size (mm)	0.252 x 0.33

## TERMINAL FUNCTIONS

Pin	Name	Descriptions
1	/CS	Chip selection /CS1=L, enable access to the LCD module /CS1=H, disable access to the LCD module
2	/RES	Reset Signal
3	A0	Register Select
4	R/W	R/W=L, E=H→L Data or Instruction latch into the LCD module R/W=H, E=H; Data or status read from the LCD module
5	E	
6	D0	
:	:	8 bit Data Bus
12	D6 (SCL)	Three state I/O Terminal for display data or instruction data
13	D7(SI)	
14	VDD	Positive Power Supply
15	VSS	0V Power Supply
16	BLA	LED Backlight Positive Power Supply
17	NC	
:	:	No Connection, leave open
32	NC	

## DISPLAY CHARACTERISTICS

Item	Value
LCD Display Mode	FSTN, Positive, Transflective
Viewing Angle	6:00
Driving Method	1/65 duty, 1/9 bias
Backlight	White LED Backlight

## ELECTRICAL CHARACTERISTICS

Item	Symbol	Min	Typ	Max
Operating Voltage (V)	V <sub>DD</sub>	2.8	-	3.3
Input High Voltage (V)	V <sub>IH</sub>	0.8V <sub>DD</sub>	-	V <sub>DD</sub>
Input Low Voltage (V)	V <sub>IL</sub>	V <sub>SS</sub>	-	0.2V <sub>DD</sub>
Operating Current (mA)	I <sub>DD</sub>	-	0.4	1.5

## BACKLIGHT CHARACTERISTICS

Item	Symbol	Min	Typ	Max
Forward Voltage (V)	V <sub>fBLA</sub>	-	3.3	-
Forward Current (mA)	I <sub>fBLA</sub>	-	34	40

## TEMPERATURE CHARACTERISTICS

Item	Symbol	Min	Max
Operating Temperature (°C)	T <sub>OP</sub>	-20	+70
Storage Temperature (°C)	T <sub>ST</sub>	-30	+80

## MAJOR PRODUCT LIST

Models	Highlight	
	LCD Mode	Interface
LM6059BCW★	FSTN-Pos	Parallel
LM6059BCW-1	FSTN-Pos	Serial
LM6059BFW	STN-Blue	Parallel

For similar product or (semi) custom made LCD module, Please visit our web site or contact us.

★The above product information is based on this model.