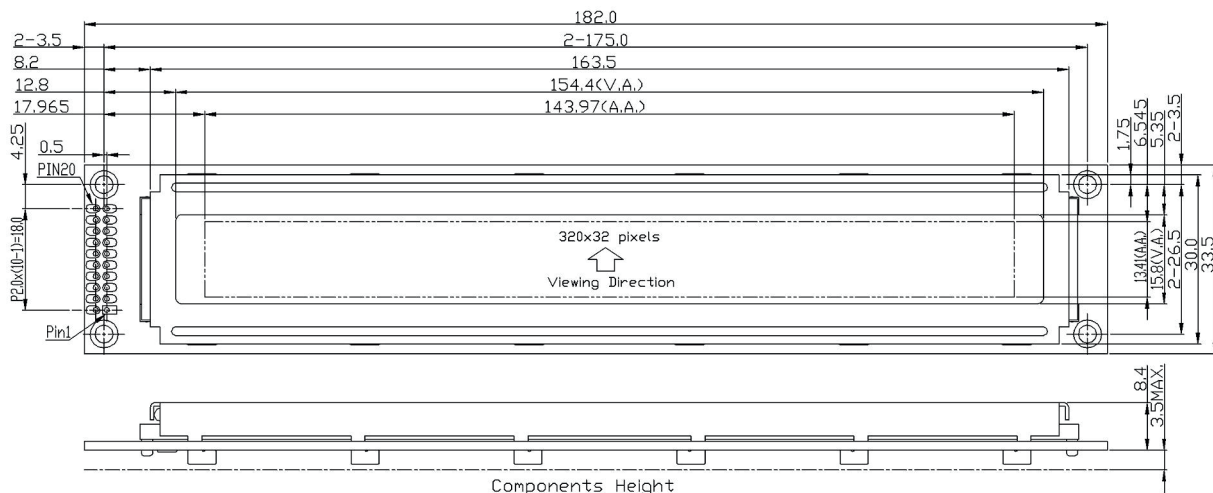


OUTLINE DRAWING



FEATURES

- 320x32 dots
- Parallel interface
- DC/DC on board, 5v power supply
- STN-Gray & STN-Blue with YG & white LED
- backlight optional
- Built-in Chinese Fonts
- Mechanical size compatible with standard 40 x 2 char lcd module LMB402C Series

MECHANICAL DATA

Item	Value
Outline (mm)	182.0 x 33.5 x 11.9MAX
Viewing Area (mm)	154.4 x 15.8
Active Area (mm)	143.97 x 13.41
Dot Pitch (mm)	0.45 x 0.42
Dot Size (mm)	0.42 x 0.39

TERMINAL FUNCTIONS

Pin	Name	Descriptions
1	VOUT	Power Booster Output for V0
2	V0	LCD Contrast Reference
3	VSS	0V Power Supply, Ground
4	VDD	Positive Power Supply
5	BUSY	Controller busy signal
6	/CS	Chip Enable Signal
7	RS	Data Type Select RS=HIGH: command write, display data or cursor add read RS=LOW: command read display data or cursor add write
8	/WR	Write enable input, active LOW
9	/RD	Read enable input, active LOW
10	DB0	Data Bus
:	:	Three state I/O terminal for display data or instruction data
17	DB7	
18	/RST	Reset Signal /RES=L, Reset the LCD Module /RES=H, Normal Running
19	BLK	LED Backlight Negative Power Supply
20	BLA	LED Backlight Positive Power Supply

DISPLAY CHARACTERISTICS

Item	Value
LCD Display Mode	STN-Gray, Positive, Transmissive
Viewing Angle	6:00
Driving Method	1/64 duty, 1/9 bias
Backlight	YG LED Backlight

ELECTRICAL CHARACTERISTICS

Item	Symbol	Min	Typ	Max
Operating Voltage (V)	VDD	4.8	5.0	5.2
Input High Voltage (V)	VIH	0.8VDD	-	VDD
Input Low Voltage (V)	VIL	0	-	0.1VDD
Operating Current (mA)	IDD	-	3.7	9.0

BACKLIGHT CHARACTERISTICS

Item	Symbol	Min	Typ	Max
Forward Voltage (V)	VfBLA	-	5.0	-
Forward Current (mA)	IfBLA	-	390	520

LM6051 Major Product list

Major Models	Highlight		
	LCD Mode	Backlight	FFC
LM6051★	STN-Gray	YG	YES
LM6051-1	STN-Gray	White	YES
LM6051-2	STN-Blue	White	NO

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.

TEMPERATURE CHARACTERISTICS

Item	Symbol	Min	Max
Operating Temperature (C)	TOP	-20	+70
Storage Temperature (C)	TST	-30	+80