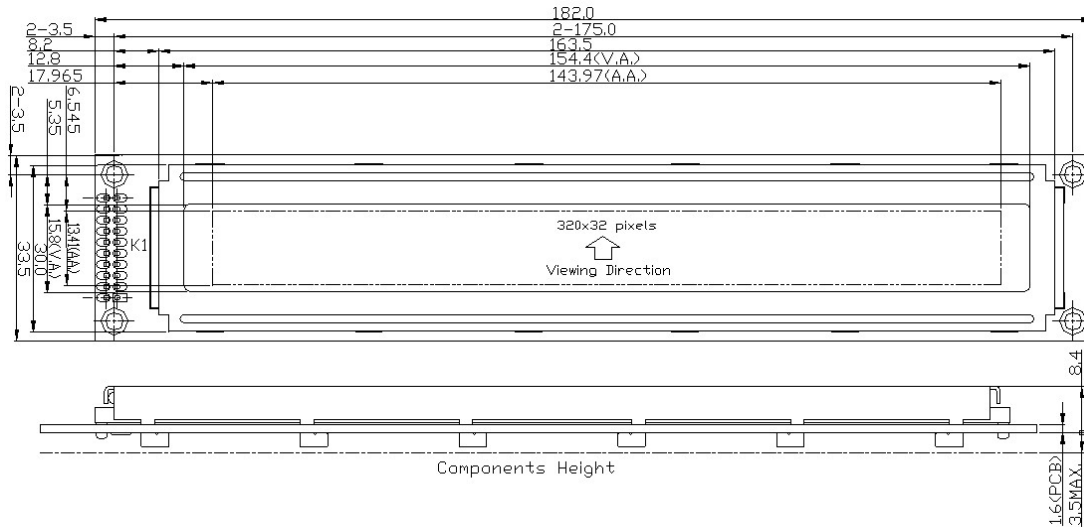


OUTLINE DRAWING



FEATURES

- 320x32 dots, Built-in Chinese Fonts
- DC/DC on board, 5.0v power supply
- Mechanical size is compatible with standard 40x2 Character module LMB402 series.

TERMINAL FUNCTIONS

Pin	Name	Descriptions	
1	VOUT	Power Booster Output for V0	
2	V0	LCD Contrast Reference Input	
3	VSS	0V Power Supply, GND	
4	VDD	Positive Power Supply	
5	BUSY	Indicate the RA8806 in busy state or not could been used for MPU to get busy state by connecting it to IO port	
6	/CS	Chip Select Signal /CS=LOW; Data IO is enabled	
7	RS	Register Select RS=HIGH: write address of register and read status word RS=LOW: write & read data of register and DDRAM	
8	/WR	Write enable input, active LOW	
9	/RD	Read enable input, active LOW	
10	DB0	8-bit bi-directional data bus	
:	:		
17	DB7		
18	/RST		Reset Signal /RST=L, Reset the LCD Module /RST=H, Normal Running
19	BLA		LED Backlight Positive Power Supply
20	BLK		LED Backlight Negative Power Supply

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

DISPLAY CHARACTERISTICS

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

ELECTRICAL CHARACTERISTICS

Item	Symbol	Min	Typ	Max
Operating Voltage (V)	V _{DD}	4.6	5.0	5.5
Input High Voltage (V)	V _{IH}	0.8V _{DD}	-	V _{DD}
Input Low Voltage (V)	V _{IL}	V _{SS}	-	0.2V _{DD}
Operating Current (mA)	I _{DD}	-	6.5	16.3

BACKLIGHT CHARACTERISTICS

Item	Symbol	Min	Typ	Max
Forward Voltage (V)	V _{fBLA}	-	5.0	-
Forward Current (mA)	I _{fBLA}	-	102	120

TEMPERATURE CHARACTERISTICS

Item	Symbol	Min	Max
Operating Temperature (°C)	T _{OP}	-20	+70
Storage Temperature (°C)	T _{ST}	-30	+80

MAJOR PRODUCT LIST

Models	Highlight	
	LCD Mode	Backlight
LM6051RFW-1★	STN-Blue	White

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.