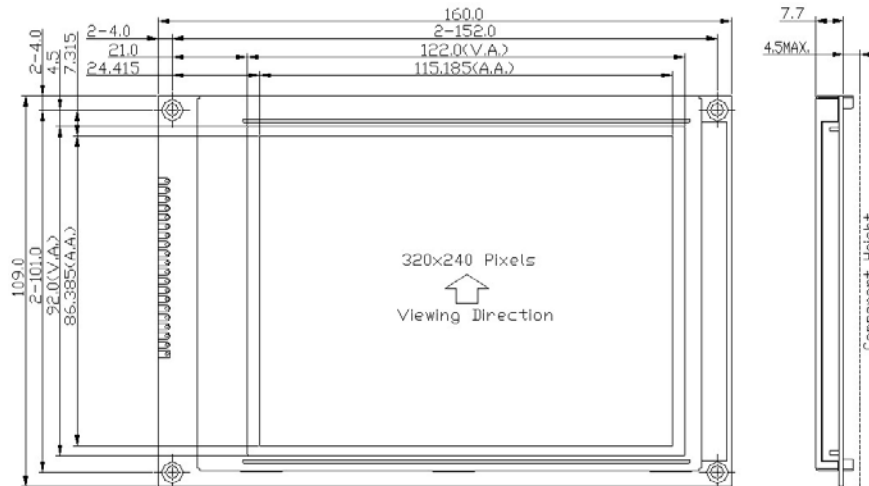


### OUTLINE DRAWING



### FEATURES

- 320x240 dots, 5.7", Built-in Chinese Fonts
- DC/DC on board, single power supply
- Built in RA8806 controller, support horizontal and vertical area scrolling, font enlargement
- 90, 180, 270 degree font display rotation
- STN-blue, FSTN-pos. with white LED backlight optional
- Touch panel and control circuit optional

### TERMINAL FUNCTIONS

Pin	Name	Descriptions
1	VSS	0V Power Supply, GND
2	VDD	Positive Power Supply
3	V0	LCD Contrast Reference Input
4	/WR	Write enable input, active LOW
5	/RD	Read enable input, active LOW
6	/CS	Chip Select Signal
7	RS	Data Type Select
8	/RST	Reset Signal:
9	DB0	8-bit bi-directional data bus
:	:	
16	DB7	
17	BUSY	Indicate the RA8806 in busy state or not, could be used for MPU to poll busy state by connecting it to IO port
18	VOUT	Power Booster Output for V0
19	BLA	Positive Power Supply for LED backlight
20	BLK	Negative Power Supply for LED backlight

### MECHANICAL DATA

Item	Value
Outline (mm)	160.0 x 109.0 x 12.2MAX.
Viewing Area (mm)	122.0 x 92.0
Active Area (mm)	115.185 x 86.385
Dot Pitch (mm)	0.36 x 0.36
Dot Size (mm)	0.345 x 0.345

### DISPLAY CHARACTERISTICS

Item	Value
LCD Display Mode	STN, Negative, Transmissive
Viewing Angle	6:00
Driving Method	1/240 duty, 1/14 bias
Backlight	White LED backlight

### TEMPERATURE CHARACTERISTICS

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

### ELECTRICAL CHARACTERISTICS

Item	Symbol	Min	Typ	Max
Operating Voltage (V)	V <sub>DD</sub>	4.7	5.0	5.3
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>	-	0.1V <sub>DD</sub>
Operating Current (mA)	I <sub>DD</sub>	-	22.3	-

### BACKLIGHT CHARACTERISTICS

Item	Symbol	Min	Typ	Max
Forward Voltage (V)	V <sub>fBLA</sub>	-	5.0	-
Forward Current (mA)	I <sub>fBLA</sub>	-	153	180

### MAJOR PRODUCT LIST

Models	Highlight	
	LCD Mode	Voltage
LM2088RFW★	STN-Blue	5.0V
LM2088RCW	FSTN-Pos	5.0V

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

★The above information is based on this model.