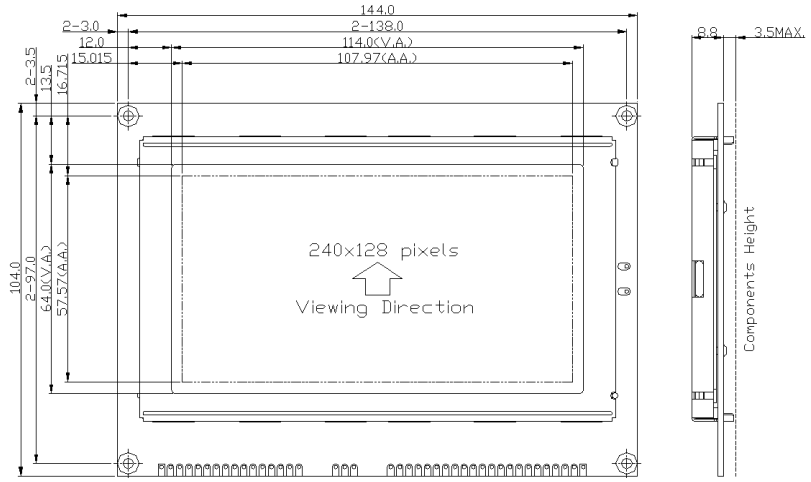
OUTLINE DRAWING



FEATURES

- 240x128 dots, 5.0V single power supply
- Parallel interface
- Support keyboard function
- Built in RA8806 controller, support scroll display,
- font enlargement, cursor pointer, and multi-layer
- display
- Touch panel optional
- FSTN-Positive & STN-Blue optional

TERMINAL FUNCTIONS

Pin	Name	Descriptions
1	FG	Frame Ground
2	VSS	0V Power Supply, Ground
3	VDD	Positive Power Supply
4	V0	LCD Contrast Reference Input
5	/WR	Write enable input, active LOW
6	/RD	Read enable input, active LOW
7	/CS	Chip Select Signal
8	RS	Register Select
9	BUSY	Controller busy signal
10	/RST	Reset Signal
11	DB0	8-bit bi-directional data bus
:	:	
18	DB7	
19	NC	No connection (leave open)
20	VOUT	Power Booster Output for V0
21	BLA	Positive Power Supply for LED backlight
22	BLK	Negative Power Supply for LED backlight
23	BLA	Positive Power Supply for LED backlight
24	NC	No connection (leave open)
25	BLK	Negative Power Supply for LED backlight

MECHANICAL DATA

Item	Value
Outline (mm)	144.0 x 104.0 x 12.3MAX.
Viewing Area (mm)	114.0 x 64.0
Active Area (mm)	107.97 x 57.57
Dot Pitch (mm)	0.45 x 0.45
Dot Size (mm)	0.42 x 0.42

DISPLAY CHARACTERISTICS

Item	Value
LCD Display Mode	FSTN, Positive, Transflective
Viewing Angle	6:00
Driving Method	1/128 duty, 1/12 bias
Backlight	White LED Backlight

ELECTRICAL CHARACTERISTICS

Item	Symbol	Min	Typ	Max
Operating Voltage (V)	V_{DD}	4.5	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}	-	11.0	36.8

BACKLIGHT CHARACTERISTICS

Item	Symbol	Min	Typ	Max
Forward Voltage (V)	Vf_{BLA}	-	5.0	-
Forward Current (mA)	If_{BLA}	-	170	230

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	Voltage
LM240128RCW★	FSTN-Pos	White LED	5.0V
LM240128RFW	STN-Blue	White LED	5.0V

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.