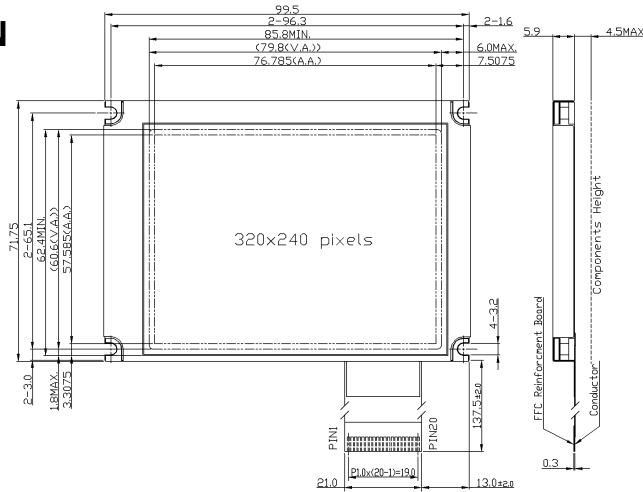


OUTLINE DRAWIN



FEATURES

- 320x240 dots, 3.8" VA, Built-in Chinese Fonts
- Super exquisite dots and ultra high contrast
- Support Scroll display, font enlargement, cursor Pointer, and multi-layer display
- 3.3v, 5v power supply optional
- STN-Blue or FSTN-Positive with white LED backlight optional
- Touch panel optional

TERMINAL FUNCTIONS

Pin	Name	Descriptions
1	VSS	0V Power Supply, Ground
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	Register Select RS=H; data read or write RS=L; instruction data write or status busy flag read
8	/RST	Reset Signal /RST=L, Reset the LCD Module /RST=H, Normal Running
9	DB0	8-bit bi-directional data bus
:	:	
16	DB7	
17	BUSY	Controller busy signal
18	VOOUT	Power Booster Output for V0
19	BLA	LED Backlight Positive Power Supply
20	BLK	LED Backlight Negative Power Supply

TEMPERATURE CHARACTERISTICS

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

MECHANICAL DATA

Item	Value
Outline (mm)	99.5 x 71.75 x 10.4MAX
Viewing Area (mm)	79.8 x 60.6
Active Area (mm)	76.785 x 57.585
Dot Pitch (mm)	0.24 x 0.24
Dot Size (mm)	0.225 x 0.225

DISPLAY CHARACTERISTICS

Item	Value
LCD Display Mode	FSTN, Positive, Transflective
Viewing Angle	9:00
Driving Method	1/240 duty, 1/12 bias
Backlight	White LED Backlight

ELECTRICAL CHARACTERISTICS

Item	Symbol	Min	Typ	Max
Operating Voltage (V)	V _{DD}	4.7	5.0	5.3
Input High Voltage (V)	V _{IH}	0.8V _{DD}	-	V _{DD}
Input Low Voltage (V)	V _{IL}	0	-	0.1V _{DD}
Operating Current (mA)	I _{DD}	-	18	45

BACKLIGHT CHARACTERISTICS

Item	Symbol	Min	Typ	Max
Forward Voltage (V)	V _{fBLA}	-	5.0	-
Forward Current (mA)	I _{fBLA}	-	100	130

MAJOR PRODUCT LIST

Models	Highlight	
	LCD Mode	Voltage
LM2068R★	FSTN-Pos	5.0V
LM2068R-1	FSTN-Pos	3.3V
LM2068R-3	STN-Blue	3.3V
LM2068R-4	STN-Blue	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.