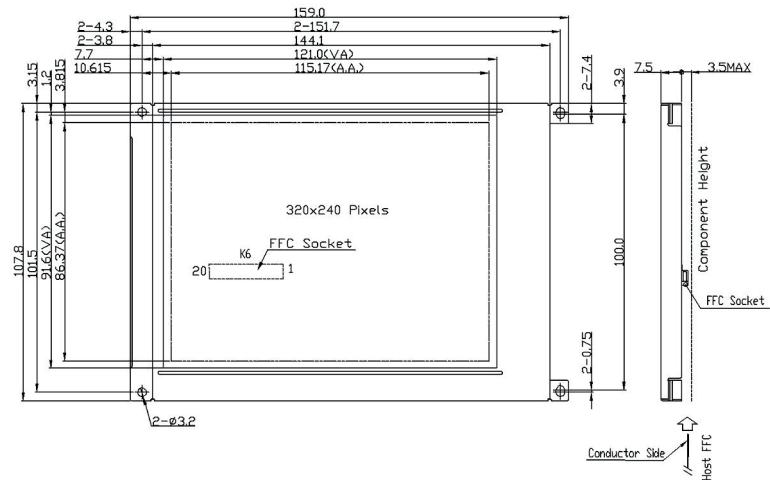


OUTLINE DRAWING



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FEATURES

- 320x240 dots, 5.7"
- Parallel and RS232 interface optional
- DC/DC on board, 3.3v, 5v power supply optional
- STN-Blue & FSTN-Positive with white LED backlight optional
- Built-in Chinese Fonts
- With 2D Graphic engine,
  - easily realize dot, line, circle, rectangle drawing and area Paintings by simple commands
  - unique cursor function.
- Touch panel 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 Inputs /CS=LOW: Data IO is enabled
7	A1	Register Select A1=LOW Address[F004] is being accessed Command Packet Port for Writing of command packets A1=HIGH: Address[F006] is being accessed Port for writing Control or reading status
8	/RESET	Reset Signal Input /RESET=LOW: Reset /RESET=HIGH: Normal
9	D0	8-bit bi-directional data bus
:	:	
16	D7	
17	/WAIT	Wait signal
18	VOUT	DC/DC power 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)	159.0 x 107.8 x 11.0 MAX.
Viewing Area (mm)	121.0 x 91.6
Active Area (mm)	115.17 x 86.37
Dot Pitch (mm)	0.36 x 0.36
Dot Size (mm)	0.33 x 0.33

DISPLAY CHARACTERISTICS

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

TEMPERATURE CHARACTERISTICS

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

ELECTRICAL CHARACTERISTICS

Item	Symbol	Min	Typ	Max
Operating Voltage (V)	VDD	3.0	3.3	3.6
Input High Voltage (V)	VIH	3.0	-	VDD
Input Low Voltage (V)	VIL	0	-	0.6
Operating Current (mA)	IDD	-	42.5	TBD

BACKLIGHT CHARACTERISTICS

Item	Symbol	Min	Typ	Max
Forward Voltage (V)	VfBLA	-	5.0	-
Forward Current (mA)	IfBLA	-	220	300

LM32019C Major Product list

Major Models	Highlight		
	LCD Mode	Voltage	Interface
LM32019CFW★	STN-Blue	3.3V	P
LM32019CFW-1	STN-Blue	5.0v	S
LM32019CCW	FSTN-Pos	3.3V	P

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.