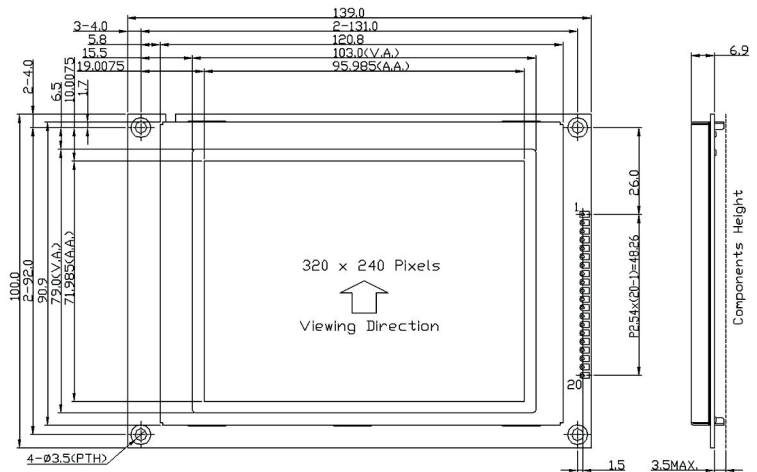


OUTLINE DRAWING



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FEATURES

- 320x240 dots, 5.1", Parallel Interface
- DC/DC on board, 3.3v power supply
- Compact design with thin thickness and high reliability
- 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

MECHANICAL DATA

Item	Value
Outline (mm)	139.0 x 100.0 x 10.4 MAX.
Viewing Area (mm)	103.0 x 79.0
Active Area (mm)	95.985 x 71.985
Dot Pitch (mm)	0.30x 0.30
Dot Size (mm)	0.285 x 0.285

DISPLAY CHARACTERISTICS

Item	Value
LCD Display Mode	FSTN, Positive, 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	-	46.0	210

BACKLIGHT CHARACTERISTICS

Item	Symbol	Min	Typ	Max
Forward Voltage (V)	VfBLA	-	3.3	-
Forward Current (mA)	IfBLA	-	170	200

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	NC	No connection (leave open)
18	VOUT	DC/DC power output for V0
19	BLA	Positive Power Supply for LED backlight
20	BLK	Negative Power Supply for LED backlight

LM320240T Major Product list

Major Models	Highlight	
	LCD Mode	Voltage
LM320240TCW★	FSTN-Pos	3.3V
LM320240TFW	STN-Blue	3.3V

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.