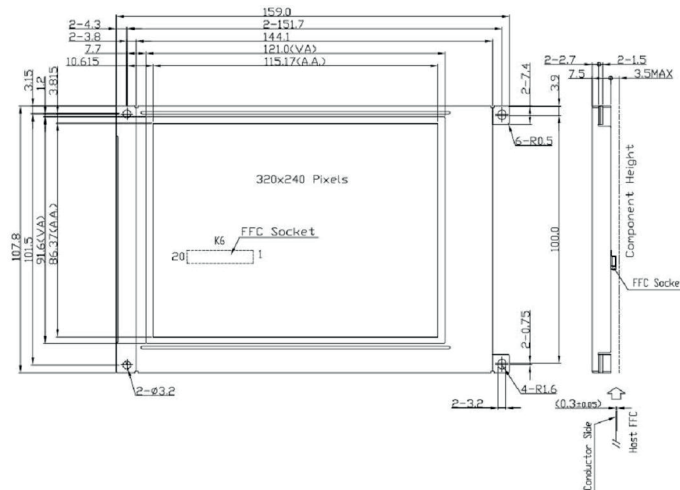


OUTLINE DRAWING



FEATURES

- 320x240 dots, 5.7", Parallel interface
- DC/DC on board, 3.3v power supply
- Bull in EPSON controller S1D13700, high reliability
- Support 4 gray scale, Support Multi-layer display
- Programmable cursor control
- STN-blue, FSTN-positive, FSTN-negative display results optional
- Mechanical size compatible with Sharp LM32019
- Touch panel optional

MECHANICAL DATA

Item	Value
Outline (mm)	159.0 x 107.8 x 11.0 MAX.
Viewing Area (mm)	121.1 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

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	A0	Data Type Select A0=LOW: status flag read, display data or parameter write A0=HIGH: command write, display data or cursor add read
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	VOU	DC/DC power output for V0
19	BLA	Positive Power Supply for LED backlight
20	BLK	Negative Power Supply for LED backlight

DISPLAY CHARACTERISTICS

Item	Value
LCD Display Mode	STN, Negative, Transmissive
Viewing Angle	12:00
Driving Duty	1/240 duty
Backlight	White LED backlight

ELECTRICAL CHARACTERISTICS

Item	Symbol	Min	Typ	Max
Operating Voltage (V)	VDD	3.0	3.3	3.6
Input High Voltage (V)	VIH	0.8 xVDD	-	VDD
Input Low Voltage (V)	VIL	0	-	0.15 xVDD
Operating Current (mA)	IDD	-	50	210

BACKLIGHT CHARACTERISTICS

Item	Symbol	Min	Typ	Max
Forward Voltage (V)	VfBLA		3.3	-
Forward Current (mA)	IfBLA	-	221	290

LM32019E Major Product list

Major Models	Highlight	
	LCD Mode	Voltage
LM32019EFW★	STN-Blue	3.3V
LM32019ECW	FSTN-Pos	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.

TEMPERATURE CHARACTERISTICS

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