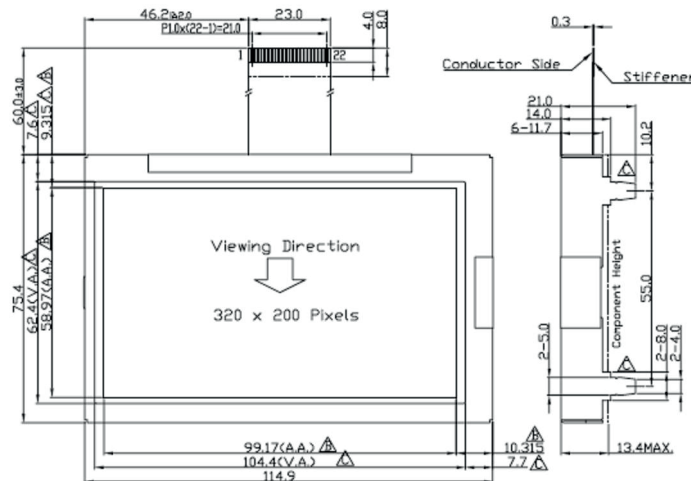


OUTLINE DRAWING



FEATURES

- 320x200 dots, 4.7", Parallel interface
- DC/DC on board, 5v power supply
- Support Multi-layer display
- Programmable cursor control
- Ultra high contrast, FSTN-Negative,
- Green & Amber LED backlight optional
- Compact design, high reliability

MECHANICAL DATA

Item	Value
Outline (mm)	114.9 x 75.4 x 21.0 MAX.
Viewing Area (mm)	104.4 x 62.4
Active Area (mm)	99.17 x 58.97
Dot Pitch (mm)	0.31 x 0.295
Dot Size (mm)	0.28 x 0.265

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 Signal /CS=LOW: Data IO is enabled
7	A0	Data Type Select A0=H: command write, display data or cursor add read A0=L: status flag read, display data or parameter write
8	/RES	Reset Signal: /RES = L, Reset the LCD Module /RES = H, Normal Running
9	DB0	8-bit bi-directional data bus
:	:	
16	DB7	
17, 19	BLA	Positive Power Supply for LED backlight
18, 20	BLK	Negative Power Supply for LED backlight
21	VOOUT	Power Booster Output for V0
22	NC	No connection (leave open)

DISPLAY CHARACTERISTICS

Item	Value
LCD Display Mode	FSTN, Negative, Transmissive
Viewing Angle	12:00
Driving Duty	1/200 duty
Backlight	Green LED backlight

ELECTRICAL CHARACTERISTICS

Item	Symbol	Min	Typ	Max
Operating Voltage (V)	VDD	4.5	5.0	5.5
Input High Voltage (V)	VIH	0.6VDD	-	VDD
Input Low Voltage (V)	VIL	0	-	0.15VDD
Operating Current (mA)	IDD	-	28.9	50.5

BACKLIGHT CHARACTERISTICS

Item	Symbol	Min	Typ	Max
Forward Voltage (V)	VfBLA	-	5.0	-
Forward Current (mA)	IfBLA	-	204	240

LM320200A Major Product list

Major Models	Highlight		
	LCD Mode	Backlight	Voltage
LM320200AGG★	FSTN-Neg	Green 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.

TEMPERATURE CHARACTERISTICS

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