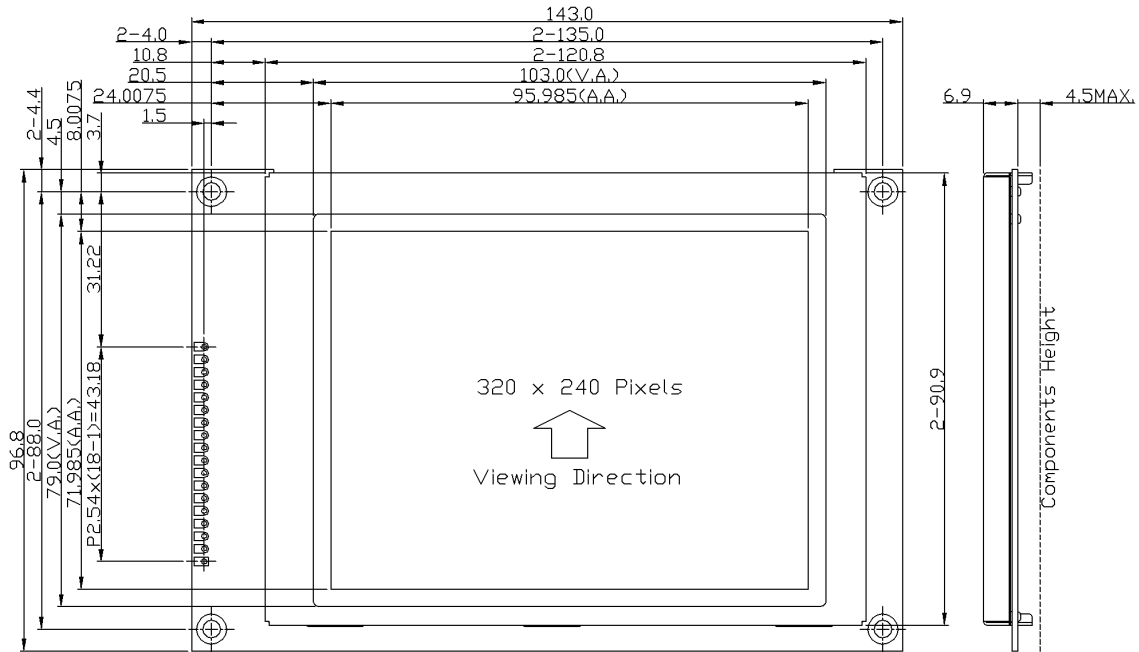


OUTLINE DRAWING



TERMINAL FUNCTIONS

Pin	Name	Descriptions
1	VSS	0V Power Supply, Ground
2	VDD	Positive Power Supply
3	V0	LCD contrast setting reference
4	/WR	Write enable input, active LOW
5	/RD	Read enable input, active LOW
6	/CS	Chip Enable Signal
7	A0	Data Type Select A0=HIGH: command write, display data or cursor add read A0=LOW: command read display data or cursor add write
8	/RST	Reset Signal /RES=L, Reset the LCD Module /RES=H, Normal Running
9	DB0	8-bit bi-directional data bus
:	:	
16	DB7	
17	BLA	LED Backlight Positive Power Supply
18	VOUT	Power Booster Output for V0

DISPLAY CHARACTERISTICS

Item	Value
LCD Display Mode	STN-Blue, Negative, Transmissive
Viewing Angle	6:00
Driving Method	1/240 duty, 1/14 bias
Backlight	White LED Backlight

MECHANICAL DATA

Item	Value
Outline (mm)	143.0 x 96.8 x 11.4MAX
Viewing Area (mm)	103.0 x 79.0
Active Area (mm)	95.985 x 71.985
Dot Pitch (mm)	0.3 x 0.3
Dot Size (mm)	0.285 x 0.285

ABSOLUTE MAXIMUM

Item	Symbol	Min	Max
Operating Voltage (V)	V _{DD}	0	+7.0
Operating Temperature (°C)	T _{OP}	-20	+70
Storage Temperature (°C)	T _{ST}	-30	+80

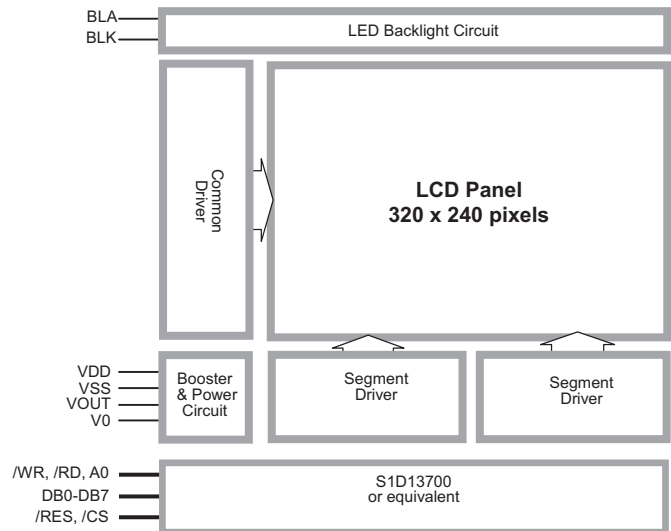
ELECTRICAL CHARACTERISTICS

Item	Symbol	Min	Typ	Max
Operating Voltage (V)	V _{DD}	3.0	3.3	3.6
Input High Voltage (V)	V _{IH}	0.8 V _{DD}	-	V _{DD}
Input Low Voltage (V)	V _{IL}	V _{SS}	-	0.15 V _{DD}
Operating Current (mA)	I _{DD}	-	39	180

BACKLIGHT CHARACTERISTICS

Item	Symbol	Min	Typ	Max
Forward Voltage (V)	V _{fBLA}	-	3.3	-
Forward Current (mA)	I _{fBLA}	-	170	220

BLOCK DIAGRAM



LM320240C series

	Highlight
	LCD Mode
LM320240CFW	STN-Blue

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.