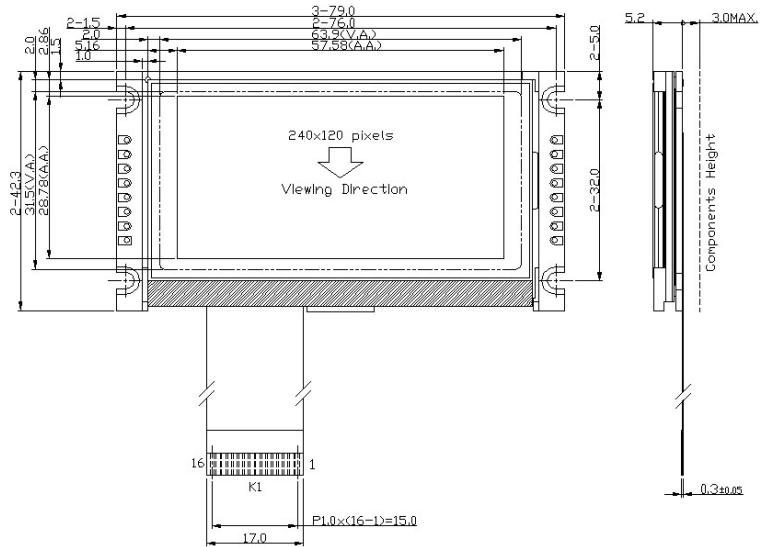


OUTLINE DRAWING



FEATURES

- 240x120 dots, 3.3v power supply
- Parallel interface
- STN-Blue with white LED backlight

TERMINAL FUNCTIONS

Pin	Name	Descriptions
1	VSS	Negative power supply, 0V
2	VDD	Positive power supply
3	DB7	8-bit Data bus;
:	:	Three state I/O terminal for display data or instruction data
10	DB0	when /CS=H, DB0~DB7=High Impedance
11	/RD	/WR=H, /RD=L; Data or Status read from the LCM
12	/WR	/WR=L→H, /RD=H; Data or Instruction latch into the LCM
13	D/C	Register Select D/C = H, Transferring the Display Data D/C = L, Transferring the Control Data
14	/RST	Reset signal /RST = L, Initialization is executed /RST = H, Normal running.
15	CS	Chip Select CS=H, enable access to the LCM CS=L, disable access to the LCM
16	BLA	Positive power for LED backlight

TEMPERATURE CHARACTERISTICS

Item	Symbol	Min	Max
Operating Temperature (°C)	T <sub>OP</sub>	-30	+80
Storage Temperature (°C)	T <sub>ST</sub>	-40	+85

MECHANICAL DATA

Item	Value
Outline (mm)	79.0 x 42.3 x 8.2MAX.
Viewing Area (mm)	63.9 x 31.5
Active Area (mm)	57.58 x 28.78
Dot Pitch (mm)	0.24 x 0.24
Dot Size (mm)	0.22 x 0.22

DISPLAY CHARACTERISTICS

Item	Value
LCD Display Mode	STN-BLUE, Negative, Transmissive
Viewing Angle	12:00
Driving Method	1/120 duty, 1/11 bias
Backlight	White LED backlight

ELECTRICAL CHARACTERISTICS

Item	Symbol	Min	Typ	Max
Operating Voltage (V)	V <sub>DD</sub>	3.0	3.3	3.6
Input High Voltage (V)	V <sub>IH</sub>	0.8 V <sub>DD</sub>	-	V <sub>DD</sub>
Input Low Voltage (V)	V <sub>IL</sub>	V <sub>SS</sub>	-	0.2 V <sub>DD</sub>
Operating Current (mA)	I <sub>DD</sub>	-	0.8	2.5

BACKLIGHT CHARACTERISTICS

Item	Symbol	Min	Typ	Max
Forward Voltage (V)	V <sub>fBLA</sub>	-	3.3	-
Forward Current (mA)	I <sub>fBLA</sub>	-	68	80

MAJOR PRODUCT LIST

Models	Highlight		
	LCD Mode	Backlight	Voltage
LM240120HFW★	STN-Blue	White LED	3.3V

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 mode