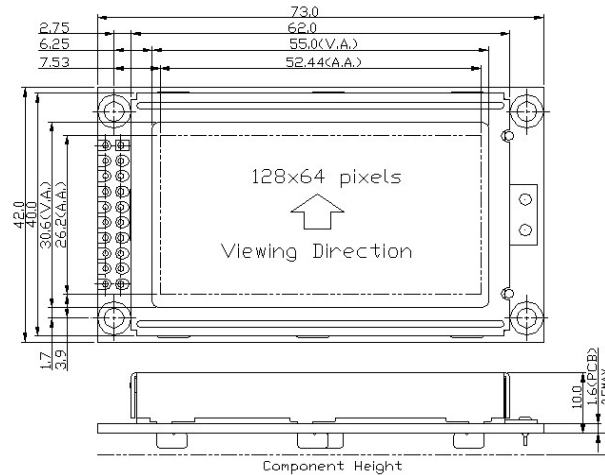


**OUTLINE DRAWING**



**FEATURES**

- 128x64 dots , 5.0v power supply
- STN-YG with Yellow Green LED backlight

**TERMINAL FUNCTIONS**

Pin	Name	Descriptions
1	VSS	Negative Power supply , Ground (0V)
2	VDD	Positive Power Supply
3	V0	LCD Contrast reference
4	RS	RS=H;DB0-DB7=Display RAM data RS=L;DB0-DB7=Instruction data
5	R/W	In read mode R/W=H, Data read from the LCD module , data appears at DB0-DB7 and can be read by the host while , E=H and the device is being selected
6	E	In write mode R/W=L Data write to the LCD module , data appears at DB0-DB7 will be written into LCD module at E=H→L and device is being selected
7	DB0	Data bus ;
:	:	Three state I/O terminal for display data or instruction data
14	DB7	
15	CS1	Chip selection ,When CS1=1 enable access to the left side (64column) of the LCD module
16	CS2	Chip selection ,When CS2=1 enable access to the right side (64column) of the LCD module
17	/RST	Reset signal /RST=L , Display off display start line register becomes 0 no command or instruction data could be accepted /RST=H , Normal running
18	VOUT	Power Booster output for V0
19	BLA	Positive Power for LED backlight
20	BLK	Negative Power for LED backlight

**TEMPERATURE CHARACTERISTICS**

Item	Symbol	Min	Max
Operating Temperature (°C)	T <sub>OP</sub>	-20	+70
Storage Temperature (°C)	T <sub>ST</sub>	-30	+80

**MECHANICAL DATA**

Item	Value
Outline (mm)	73.0x42.0x13.5
Viewing Area (mm)	55.0x30.6
Active Area (mm)	52.44x26.2
Dot Pitch (mm)	0.41x0.41
Dot Size (mm)	0.37x0.37

**DISPLAY CHARACTERISTICS**

Item	Value
LCD Display Mode	STN-YG , Positive , Transflective
Viewing Angle	6:00
Driving Method	1/64duty,1/9bias
Backlight	Yellow Green LED backlight

**ELECTRICAL CHARACTERISTICS**

Item	Symbol	Min	Typ	Max
Operating Voltage (V)	VDD	4.8	5.0	5.2
Input High Voltage (V)	VIH	3.5	-	VDD
Input Low Voltage (V)	VIL	0	-	0.4
Operating Current (mA)	IDD	-	4.4	12.5

**BACKLIGHT CHARACTERISTICS**

Item	Symbol	Min	Typ	Max
Forward Voltage (V)	V <sub>fBLA</sub>	-	5.0	-
Forward Current (mA)	I <sub>fBLA</sub>	-	-	240

**MAJOR PRODUCT LIST**

Models	Highlight		
	LCD Mode	Backlight	Voltage
LM12864MBC-1★	STN-YG	YG LED	5V
LM12864MBC	STN-YG	YG LED	5V
LM12864MFW	STN-Blue	White	5V

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.