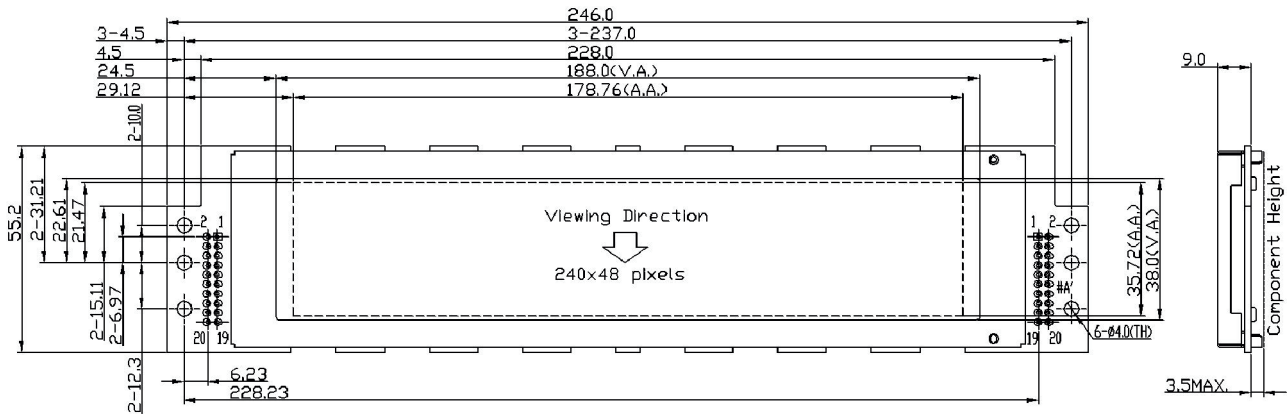


OUTLINE DRAWING



FEATURES

- 240x48 dots, Supper display area
- Parallel interface, DC/DC on board, 5v power supply
- Ultra high contrast
- FSTN-Positive, White & YG LED backlight optional
- Support single dot operation, Single word diverse display
- Support multi-layer display
- Support Cursor pointer
- Widely applied on ECR, POS, weighting system,
- To be replacement of VFD

MECHANICAL DATA

Item	Value
Outline (mm)	246.0 x 55.2 x 12.5 MAX.
Viewing Area (mm)	188.0 x 38.0
Active Area (mm)	178.76 x 35.72
Dot Pitch (mm)	0.745 x 0.745
Dot Size (mm)	0.705 x 0.705

TERMINAL FUNCTIONS

Pin	Name	Descriptions
1	VSS	0V Power Supply, GND
2	VDD	Positive Power Supply
3	/WR	Data or Command Write Signal
4	/RD	Data or Status Read Signal
5	/CE	Chip Enable Signal
6	C/D	Address for Data or Command: C/D=H, /WR=L, /RD=H : Command Write C/D=H, /WR=H, /RD=L : Status Read C/D=L, /WR=L, /RD=H : Data Write C/D=L, /WR=H, /RD=L : Data Read
7	/RST	Reset Signal: /RST = L, Reset the LCD Module /RST = H, Normal Running
8	DB0	8-bit data bus
:	:	
15	DB7	
16	/BLON	Backlight ON signal /BLON=0: Backlight ON /BLON=1: Backlight OFF
17,19	VDDBL	Positive Power Supply for LED backlight Circuit
18,20	VSS	0V Power Supply, GND

DISPLAY CHARACTERISTICS

Item	Value
LCD Display Mode	FSTN, Positive, Transflective
Viewing Angle	12:00
Driving Duty	1/48 duty
Backlight	White LED backlight

ELECTRICAL CHARACTERISTICS

Item	Symbol	Min	Typ	Max
Operating Voltage (V)	VDD	4.5	5.0	5.5
Input High Voltage (V)	VIN	0.6 xVDD	-	VDD
Input Low Voltage (V)	VIN	0	-	0.6
Operating Current (mA)	IDD	-	15.5	42.0

BACKLIGHT CHARACTERISTICS

Item	Symbol	Min	Typ	Max
Forward Voltage (V)	VfBLA	-	5.0	-
Forward Current (mA)	IfBLA	-	102	140

LM24048A Major Product list

Major Models	Highlight		
	LCD Mode	Backlight	Voltage
LM24048ACW★	FSTN-Pos	White LED	5.0V
LM24048ACY	FSTN-Pos	YG LED	5.0V

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