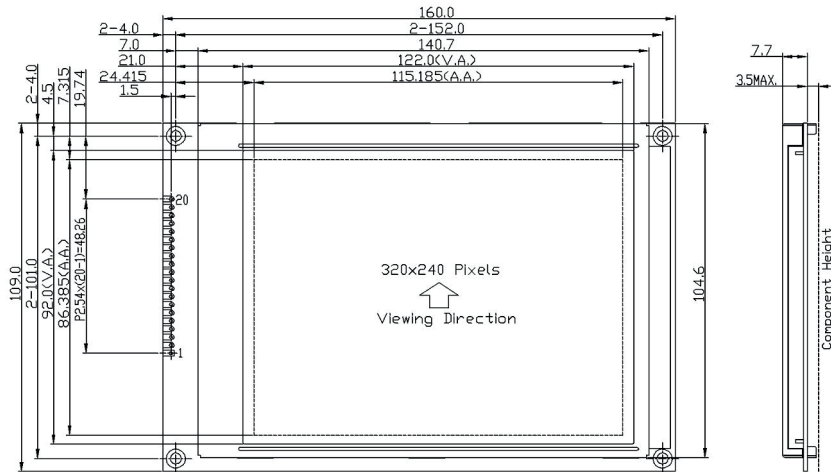


OUTLINE DRAWING



FEATURES

- 320x240 dots, 5.7", Parallel interface
- DC/DC on board, 5v power supply
- STN-blue, FSTN-positive with white LED backlight
- Support 4 gray scale, Support Multi-layer display
- Programmable cursor control
- Mechanical size compatible with Optrex DMF50840 / DMF50714
- Compact structure, high reliable, Pure new design
- Touch panel and AD7843 circuit optional

MECHANICAL DATA

Item	Value
Outline (mm)	160.0 x 109.0 x 11.2 MAX.
Viewing Area (mm)	122.0 x 92.0
Active Area (mm)	115.185 x 86.385
Dot Pitch (mm)	0.36 x 0.36
Dot Size (mm)	0.345 x 0.345

DISPLAY CHARACTERISTICS

Item	Value
LCD Display Mode	STN, Negative, Transmissive
Viewing Angle	6:00
Driving Duty	1/240 duty
Backlight	White LED backlight

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	/WAIT	Wait signal (*1)
18	VOOUT	Power Booster Output for V0
19	BLA	Positive Power Supply for LED backlight
20	BLK	Negative Power Supply for LED backlight

ELECTRICAL CHARACTERISTICS

Item	Symbol	Min	Typ	Max
Operating Voltage (V)	VDD	4.5	5.0	5.5
Input High Voltage (V)	VIH	0.8 xVDD	-	VDD
Input Low Voltage (V)	VIL	VSS	-	0.15xVDD
Operating Current (mA)	IDD	-	50	170

BACKLIGHT CHARACTERISTICS

Item	Symbol	Min	Typ	Max
Forward Voltage (V)	VfBLA	-	5.0	-
Forward Current (mA)	IfBLA	-	153	180

LM2088E Major Product list

Major Models	Highlight		
	LCD Mode	Voltage	T/P
LM2088EFW★	STN-Blue	5.0V	Nil
LM2088ECW	FSTN-Pos	5.0V	Nil
LM2088ECW-C	FSTN-Pos	5.0V	Added

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