



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

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

TEMPERATURE CHARACTERISTICS

Item	Symbol	Min	Max
Operating Temperature (°C)	TOP	-20	+70
Storage Temperature (°C)	TST	-30	+80

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

ELECTRICAL CHARACTERISTICS

Item	Symbol	Min	Typ	Max
Operating Voltage (V)	VDD	4.5	5.0	5.5
Input High Voltage (V)	VIH	0.8 x VDD	-	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.