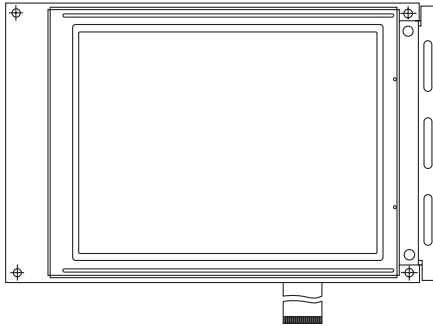


320 x 240 Dots Graphic LCD



FEATURES

- 320 x 240 dots
- + 5V power supply
- 1/240 duty cycle
- No controllers
- Touch screen option (analog type)

MECHANICAL DATA

ITEM	STANDARD VALUE	UNIT
Module Dimension	166.8 x 109.0	mm
Viewing Area	122.0 x 92.0	mm
Dot Size	0.34 x 0.34	mm
Dot Pitch	0.36 x 0.36	mm
Mounting Hole	152.0 x 101.0	mm

ABSOLUTE MAXIMUM RATING

ITEM	SYMBOL	STANDARD VALUE			UNIT
		MIN.	TYP.	MAX.	
Power Supply	VDD-VSS	4.75	5.0	5.25	V
Input Voltage	VI	- 0.3	—	VDD	V

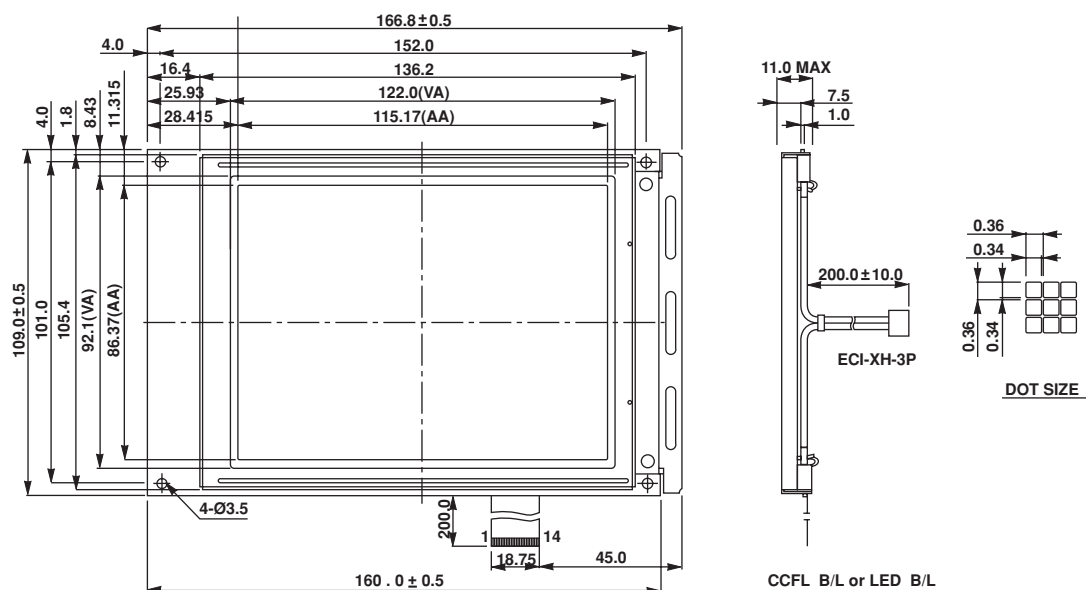
NOTE: VSS = 0 Volt, VDD = 5.0 Volt

ELECTRICAL SPECIFICATIONS

ITEM	SYMBOL	CONDITION	STANDARD VALUE			UNIT
			MIN.	TYP.	MAX.	
Input Voltage	VDD	L level	0.7V _{DD}	—	V _{DD}	V
	VIO	H level	0	—	0.3V _{DD}	V
Supply Current	IDD	VDD = + 5V	—	7.5	—	mA
Recommended LC Driving Voltage for Normal Temp.	VDD - V0	0°C	22.0	23.0	24.0	V
Version Module		25°C	21.3	22.2	23.0	
		50°C	19.5	20.8	22.1	
CCFL Starting Voltage	VFLS	25°C	—	600	—	Vrms
CCFL Driving Voltage	VFLD	25°C	—	268	—	Vrms
CCFL Driving Current	IFLD	VFQ = 450Vrms 30KHz	—	5.0	—	mArms
LED Forward Voltage	VF	25°C	—	4.2	4.6	V
LED Forward Current	IF	25°C	—	180	360	mA
EL	IEL	Vel = 110VAC; 400Hz	—	—	5.0	mA

PIN NUMBER	SYMBOL	FUNCTION
1	DB0	Data Bus Line
2	DB1	Data Bus Line
3	DB2	Data Bus Line
4	DB3	Data Bus Line
5	$\overline{\text{DISPOFF}}$	H: ON L: OFF
6	FRAME	First Line Marker
7	M(NC)	Frame Reverse Signal (Alternate Signal)
8	LP	Data Latch
9	CP	Data Shift
10	Vdd	Power Supply for LOGIC
11	Vss	GND
12	Vee	Power Supply for LCD
13	V0	Operating Voltage LCD Driving
14	FGND	Film Ground

DIMENSIONS in millimeters





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