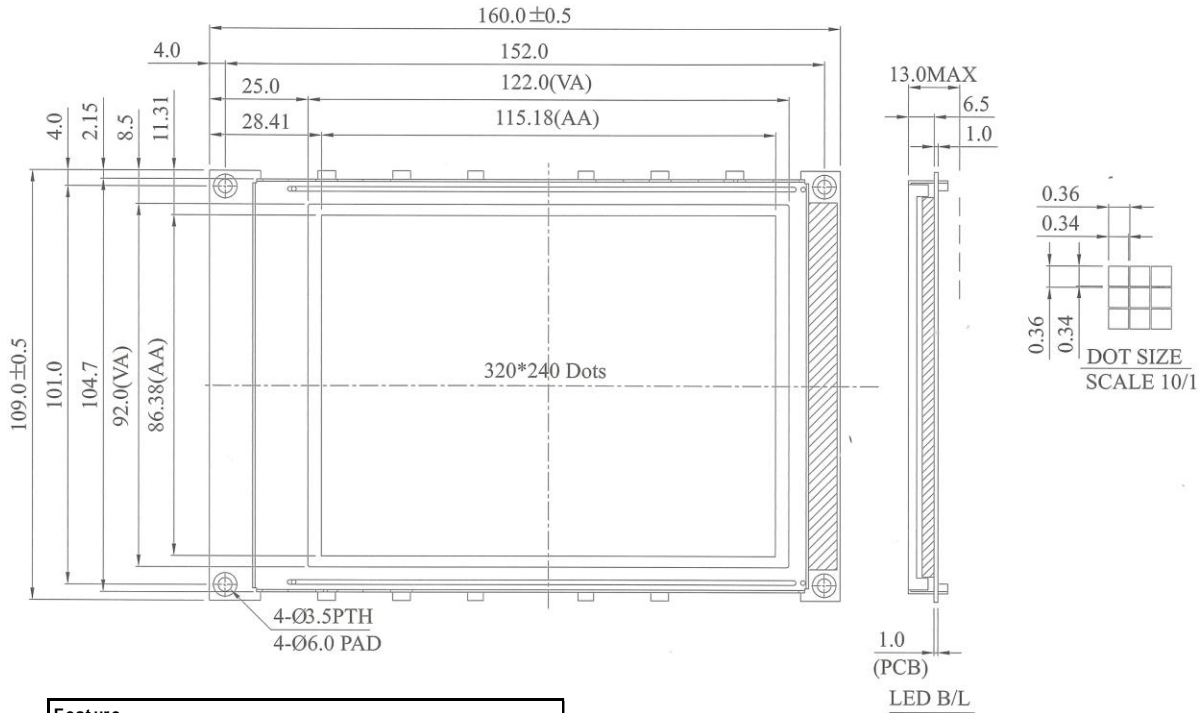


MSG320240BX (BP2/BP3)

Graphic 320x240 dots

GMS.

■ ■ ■ DISPLAY SYSTEMS



Feature		
1. Built-in Epson S1D13700		
2. Built-in Negative Voltage generator		
3. 1/240 duty cycle		
4. Touch Screen option		
5. Temperature compensation (option)		
6. BP2: DIP Connection		
7. BP3: Touch panel driver		
Pin	Symbol	Function
1	Vss	GND
2	Vdd	Power supply for logic
3	Vo	Driving Voltage for LCD
4	Ao	Data type select
5	WR	8080 family: Write signal, 6800 family: R/W signal
6	RD	8081 family: Read signal, 6800 family: Enable clock
7	DB0	Data bus line
8	DB1	Data bus line
9	DB2	Data bus line
10	DB3	Data bus line
11	DB4	Data bus line
12	DB5	Data bus line
13	DB6	Data bus line
14	DB7	Data bus line
15	CS	Chip select, Active L
16	RES	Controller reset signal Active L
17	Vee	Negative Voltage output
18	SEL	8088, 6800 interface selection (1:68, 0:80)
19	FG	Frame Ground
20	WAIT	Check Busy

Mechanical Data					
Item	Standard Value	Unit			
Module Dimension	166.8 x 109.0	mm			
Viewing Area	122.0 x 92.0	mm			
Mounting Hole	152.0 x 10.0	mm			
Dot Size	0.34 x 0.34	mm			
Dot Pitch	0.36 x 0.36	mm			
Absolute Maximum Rating					
Item	Symbol	Standard Value			Unit
		min	typ	max	
Power Supply	Vdd - Vss	4.5	5.0	5.5	V
Input Voltage	Vi	0	---	Vdd	V

Note: Vss=0 V, Vdd=5.0 V

Electronical Characteristics						
Item	Symbol	Condition	Standard Value			Unit
			min	typ	max	
Input Voltage	Vdd	---	4.75	5.0	5.25	V
Supply Current	Idd	Vdd=5V	65.0	75.0	85.0	mA
Recommended LC Driving Voltage for Normal Temperature Version module	Vdd-V0	-20°C	---	---	26.1	V
		25°C	---	---	23.8	
		70°C	22.2	---	---	

See Specification for Backlight information.

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