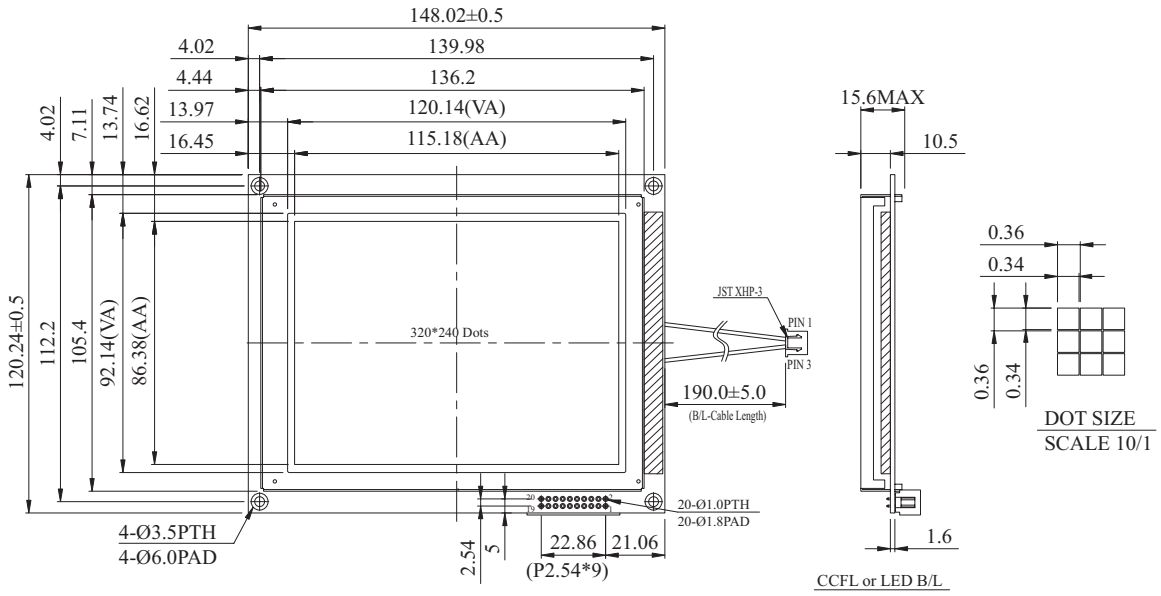
Dimension drawing



Feature

1. Built-in controller Epson-S1D13700
2. Built-in Negative Voltage generator
3. 1/240 duty cycle
4. Touch screen option
5. Temperature compensation option

Pin NO.	Symbol	Function
1	Vss	Ground
2	Vdd	Power supply for logic
3	Vo	Driving voltage for LCD
4	$\overline{RD}$	8080 family:Read signal,6800 family:Enable clock
5	$\overline{WR}$	8080 family:Write signal,6800 family:R/W signal
6	Ao	RD=L WR=H.AO=L:Date Read AO=H:Status read RD=H WR=L.AO=L:Date Write AO=H:Command write
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	$\overline{CS}$	Chip select,Active L
16	$\overline{RES}$	Controller reset signal,Active L
17	Vee	Negative Voltage Output
18	FG	Frame Ground
19	DISPOFF	DISPOFF
20	WAIT	Check busy

Mechanical Data

Item	Standard Value	Unit
Module Dimension	148.02x120.24	mm
Viewing Area	120.14x92.14	mm
Mounting hole	139.98x112.2	mm
Dot Pitch	0.36x0.36	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 Volt , VDD=5.0 Volt .

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 Temp. Version module	VDD-VO	-20ºC	---	---	24.4	V
		25ºC	---	23.8	---	
		70ºC	23.4	---	---	
CCFL Starting Voltage	VFLS	25ºC	---	600	---	Vrms
CCFL Driving Voltage	VFLD	25ºC	---	270	---	Vrms
CCFL Driving Current	IFLD	VFQ=450Vrms 30KHZ	4.8	5.3	5.5	mArms
LED Forward Voltage	VF	25ºC	3.4	3.5	3.6	V
LED Forward Current	IF	25ºC	140	160	200	mA
EL Power Supply Current	IEF	Vel=110VAC;400Hz	---	---	5.0	mA

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