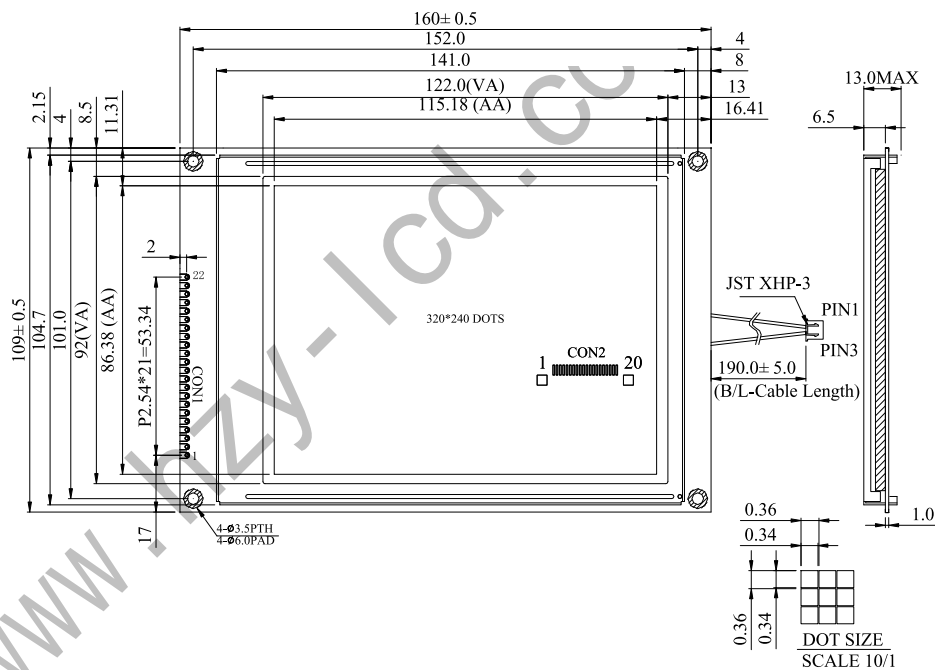


PIN NO.	CON1
1	GND
2	VCC
3	Vo
4	RS
5	WR
6	RD
7	/CS1
8	CS2
9	BUSY
10	INT
11	RST
12	DB0
13	DB1
14	DB2
15	DB3
16	DB4
17	DB5
18	DB6
19	DB7
20	VEE
21	A
22	K



PIN NO.	CON2
1	GND
2	VCC
3	Vo
4	RS
5	RD
6	WR
7	DB0
8	DB1
9	DB2
10	DB3
11	DB4
12	DB5
13	DB6
14	DB7
15	CS
16	RST
17	VEE
18	BUSY
19	INT
20	A

Feature

1. Built-in controller RA8806
2. +5V power supply(Also available for +3.3V)
3. 1/240 duty cycle

Terminal Function

Pin No.	Symbol	Function
1	GND	GND
2	V _{DD}	Supply voltage for logic
3	V ₀	Contrast Adjustment
4	RS	Data type select
5	RD	8080family:read signal, 6800family:enable clock
6	WR	8080family:write signal, 6800family:R/W signal
7-14	DB0-DB7	Data bus line
15	/CS	Chip select
16	/RST	Reset signal
17	V _{ee}	Negative Voltage output
18	BUSY	Busy signal output
19	INT	Interrupt signal output
20	A	Backlight led+

Mechanical Data

Item	Value
Outline (mm)	160.0 x 109.0x13.0MAX
Viewing Area (mm)	122.0 x 92.0
Active Area (mm)	115.18 x 86.38
Dot Size (mm)	0.34 x 0.34
Dot Pitch (mm)	0.36 x 0.36

Electrical Characteristics

Item	Symbol	Min	Typ	Max
Operating Voltage(V)	V _{DD}	4.7	5.0	5.3
Supply Voltage For LCD	V _{DD} -V ₀	—	23.0	—
Input High Voltage(V)	V _{IH}	0.7 V _{DD}	—	V _{DD}
Input Low Voltage(V)	V _{IL}	V _{SS}	—	0.6
Operating Current(mA)	I _{DD}	—	110	--

Backlight Characteristics

Item	Symbol	Min	Typ	Max
Forward Voltage (V)	V _F	--	5.0	--
Forward Current (mA)	I _F	--	160	200

Absolute Maximum Rating

Item	Symbol	Min	Max
Power Supply(V)	V _{DD} -V _{SS}	-0.3	7.0
Operating Temperature(°C)	Top	-20	+70
Storage Temperature (°C)	T _{st}	-30	+80