

**Phoenix Display International, Inc.**

# PRODUCT PREVIEW

## 320x 240 Monochrome

**TN/STN**

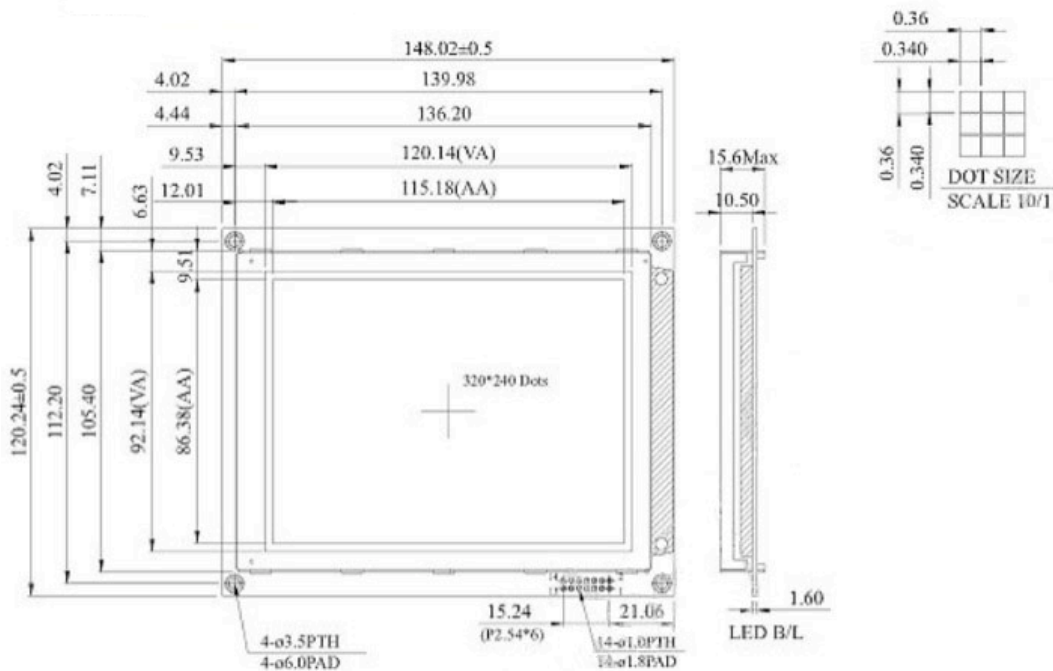
**Graphics**  
Liquid Crystal Display

### SPECIFICATIONS

**MODULE**

Part Number	PDI320240H-TFH-VZ
Display Format	320 x 240 Graphic Display
Module Size	148.0 x 120.2 x 15.6
Diagonal	5.70
Active Area	115.2 x 86.4
Pixel Pitch	0.360 x 0.360
Backlight System	LED
Display Type	R,TF,TM
Glass Type	STN,FSTN

#### 1.0 DIMENSIONAL DRAWING



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**3.0 ELECTRICAL CHARACTERISTICS**

**Standard Value**

Item	Symbol	Condition (degrees C)	Standard Value			Unit
			min.	typ.	max.	
Input Voltage	VDD	---	2.7	---	5.5	V
Supply Current	IDD	VDD=5V	---	---	---	mA
<small>Recommended LC Driving Voltage for Normal Temp. Version Module</small>	VDD-V0	-20	---	---	26.5	V
<small>Recommended LC Driving Voltage for Normal Temp. Version Module</small>	VDD-V0	25	---	24.0	---	V
<small>Recommended LC Driving Voltage for Normal Temp. Version Module</small>	VDD-V0	70	22.1	---	---	V
CCFL Starting Voltage	VFLS	25	---	600	---	Vrms
CCFL Driving Voltage	VFLD	25	216	270	405	Vrms
CCFL Driving Current	IFLD	VFQ=450Vms 300KHZ	5.1	5.3	5.5	mAms
Voltage	VF	25	3.4	3.5	3.6	V

**4.0 ABSOLUTE MAXIMUM RATINGS**

Item	Symbol	Standard Value			Unit
		min.	typ.	max.	
Power Supply	VDD-VSS	4.75	5	5.25	V
Input Voltage	VI	-0.3	---	VDD	V

**5.0 PIN ASSIGNMENT**

Pin No.	Symbol	Pin No.	Symbol
1	FLM	11	DB2
2	CL1	12	DB3
3	CL2	13	DISPOFF
4	M/NC	14	FGND
5	V0		
6	VDD		
7	VSS		
8	VEE		
9	DB0		
10	DB1		

