

Phoenix Display International, Inc.

PRODUCT PREVIEW

320x 240 Monochrome

TN/STN

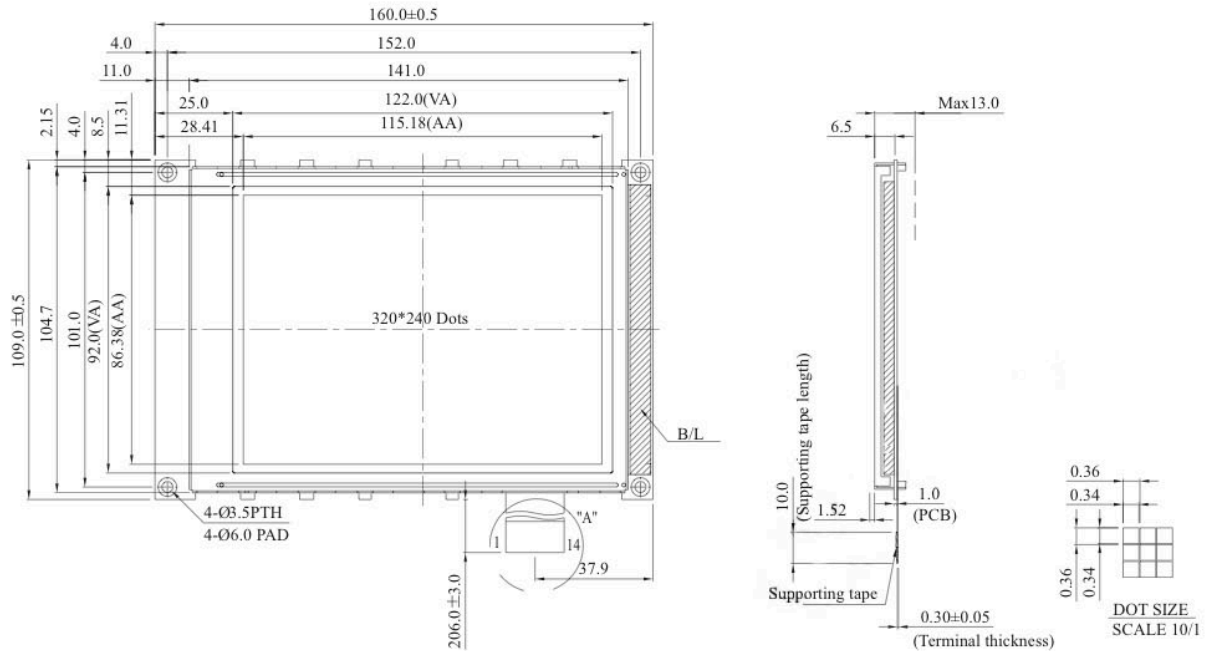
Graphics
Liquid Crystal Display

SPECIFICATIONS

MODULE

Part Number	PDI320240A-TFH-VZ#
Display Format	320 x 240 Graphic Display
Module Size	160.0 x 109.0 x 6.5
Diagonal	5.7
Active Area	115.18 x 86.38
Pixel Pitch	0.360 x 0.360
Backlight	LED
Display Type	R, TF, TM
Glass Type	STN, FSTN

1.0 DIMENSIONAL DRAWING



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3.0 ELECTRICAL CHARACTERISTICS

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

4.0 ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Condition (degrees C)	Standard Value			Unit
			min.	typ.	max.	
Input Voltage	VDD	---	2.7	---	5.5	V
Supply Current	IDD	VDD=5V	---	7.5	---	mA
<small>Recommended LC Driving Voltage for Normal Temp. Version Module</small>	VDD-V0	-20	---	---	26.1	V
<small>Recommended LC Driving Voltage for Normal Temp. Version Module</small>	VDD-V0	25	---	23.8	---	V
<small>Recommended LC Driving Voltage for Normal Temp. Version Module</small>	VDD-V0	70	20.9	---	---	V
CCFL Starting Voltage	VFLS	25	---	600	---	Vrms
CCFL Driving Voltage	VFLD	25	---	268	---	Vrms
CCFL Driving Current	IFLD	VFQ=450Vms 30KHZ	---	5.0	---	mAms
LED Forward Voltage	VF	25	---	4.2	4.6	V
LED Forward Current	IF	25	---	180	360	mA
EL Power Supply Current	IEF	VEL=110VAC;400Hz	---	---	5	mA

5.0 PIN ASSIGNMENT

Pin No.	Symbol	Pin No.	Symbol
1	DB0	11	VSS
2	DB1	12	VEE
3	DB2	13	V0
4	DB3	14	FGND
5	DISPOFF		
6	FRAME		
7	M(NC)		
8	LP		
9	CP		
10	VDD		

