

Phoenix Display International, Inc.

PRODUCT PREVIEW

320x 240 Monochrome

TN/STN

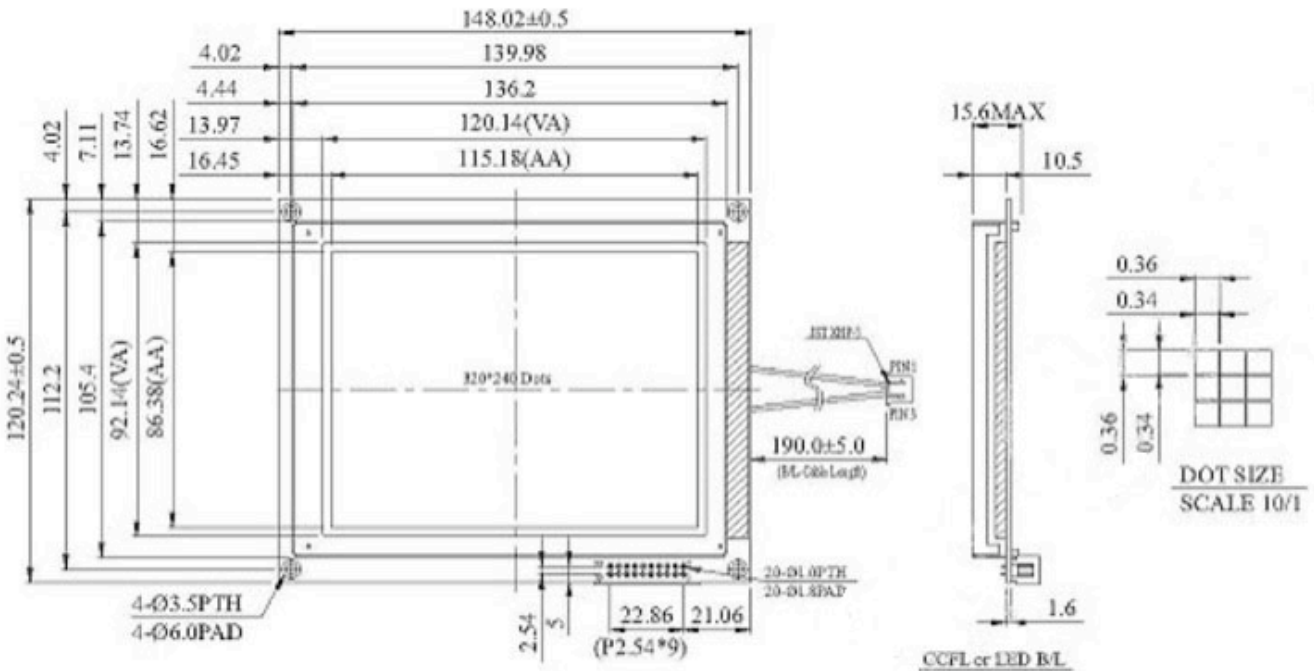
Graphics
Liquid Crystal Display

SPECIFICATIONS

MODULE

Part Number	PDI320240CX-TFH-VZ
Display Format	320 x 240 Graphic Display
Module Size	140.0 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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Phoenix Display International, Inc.
www.phoenixdisplay.com sales@phoenixdisplay.com
 Tel: (630) 359-5700 or (480) 775-6315

3.0 ELECTRICAL CHARACTERISTICS

Item	Symbol	Condition (degrees C)	Standard Value			Unit
			min.	typ.	max.	
Input Voltage	VDD	---	4.75	5	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-V0	-20	---	---	24.4	V
Recommended LC Driving Voltage for Normal Temp. Version Module	VDD-V0	25	---	23.8	---	V
Recommended LC Driving Voltage for Normal Temp. Version Module	VDD-V0	70	23.4	---	---	V
CCFL Starting Voltage	VFLS	25	---	600	---	Vrms
CCFL Driving Voltage	VFLD	25	---	270	---	Vrms
LED Driving Current	IFLD	VFQ=450Vms 300KHZ	4.8	5.3	5.5	mAms
LED Forward Voltage	VF	25	3.4	3.5	3.6	V
LED Forward Current	IF	25	140	160	200	mA
EL Power Supply Current	IEF	VeL=110VAC;400Hz	---	---	5.0	mA

4.0 ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Standard Value			Unit
		min.	typ.	max.	
Power Supply	VDD- VSS	4.5	5	5.5	V
Input Voltage	VI	0	---	VDD	V

5.0 PIN ASSIGNMENT

Pin No.	Symbol	Pin No.	Symbol
1	VSS	11	DB4
2	VDD	12	DB5
3	V0	13	DB6
4	RD	14	DB7
5	WR	15	CS
6	A0	16	RES
7	DB0	17	VEE
8	DB1	18	FG
9	DB2	19	DISPOFF
10	DB3	20	WAIT

