



15301 West 109th St, Lenexa, KS 66219

INCORPORATED 913-982-5672 913-982-5766 Fax

DCI320240A 320 dots x 240 dots

1/240DUTY, 1/16BIAS

PINOUT (Drivers/Controllers)

PIN	SYMBOL	SIGNAL DESCRIPTION
1	M	Input for frame signal
2	NC	No Connection
3	LP	Input for latch clock pulse
4	CP	Input for shift clock pulse
5	NC	No connection
6 to 9	DB0 to DB3	Input for shift data
10	Vdd	Power supply for internal logic (+5v)
11	Yss	Power supply for internal logic (0v)
12	Vee	Logical "Low" for high voltage part
13	VO	Power supply for LCD voltage
14	FG	Frame GND

ABSOLUTE MAXIMUM RATINGS

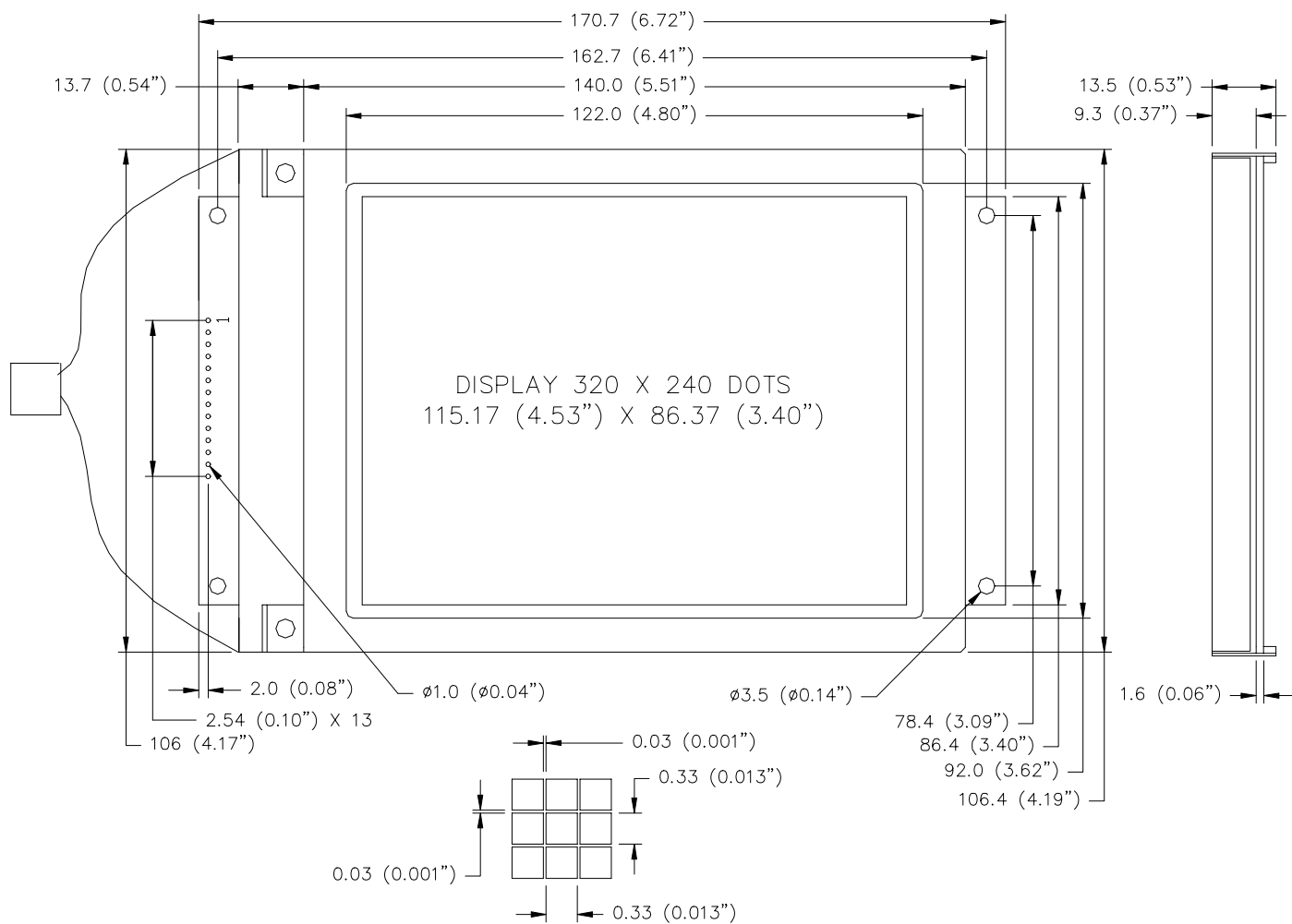
PARAMETER	MIN.	TYP.	MAX.	UNIT
Supply Voltage	0.3	N/A	7.0	V
LCD Supply Voltage	Vdd-28	N/A	Vdd-8	V
Input Voltage	-0.3	N/A	Vdd+0.3	V
Operating Temperature	0	N/A	50	°C
Storage Temperature	-20	N/A	70	°C

ELECTRICAL CHARACTERISTICS (@ 25°C)

ITEM	CONDITION	MIN.	TYP.	MAX.	UNIT
Supply Voltage (logic)	-	4.5	5.0	5.5	V
Supply Current (logic)	Vdd=5.0	-	9.5	-	mA
Driving Current(LCD)	Vee=-21.0	-	4.6	-	mA
Driving Voltage(LCD)	25°C	-	26	-	V
Input Voltage—H	H	Vdd-0.8	-	Vdd	V
Input Voltage—L	L	0	-	0.8	V
Output Voltage—H	H	Vdd-0.3	-	Vdd	V
Output Voltage—L	L	0	-	0.3	V

BACKLIGHT CHARACTERISTICS (@ 25°C)

PARAMETER	CONDITION	MIN	TYP.	MAX.	UNIT
Inverter Input Voltage	-	0	5	12	V(DC)
CCFL Operating Voltage	-	200	-	800	V(AC)
CCFL Operating Current	-	-	5	-	mA
CCFL Power Consumption	-	1.0	-	4.2	W



MECHANICAL DATA 320X240A-CCFL

* Module thickness with backlight 13.5 mm (.53")

ITEM	SPECIFICATION	MM(IN)
Module Size (WxHxT)	170.7x106.4x13.5 (6.72"x4.19"x0.53")	mm(in)
Viewing Area (WxH)	140.0x92.0 (5.51"x3.62")	mm(in)
Number of Dots (WxH)	320X240	mm(in)
Dot Pitch (WxH)	0.36X0.36 (0.01"x0.01")	mm(in)
Dot Size (WxH)	0.33X0.33 (0.013"x0.013")	mm(in)