

DCI0801A 8 character x 1 lines

1/16DUTY, 1/5BIAS

PINOUT

PIN	SYMBOL	SIGNAL DESCRIPTION
1	GND	Power Supply: 0V
2	Vdd	Power Supply: +5V
3	V5	Power Supply for LCD
4	RS	Register Select(H=DATA L=Instruction)
5	R/W	Read/Write L=MPU to LCM,H=LCM to MPU
6	E	Enable
7 to 14	DB0 to DB7	Data Bus for 4bit or 8bit Mode
15	A	Anode of LED Unit
16	K	Cathode of LED Unit

ABSOLUTE MAXIMUM RATINGS

PARAMETER	MIN.	TYP.	MAX.	UNIT
Supply Voltage	-0.3	N/A	7	V
LCD Supply Voltage	Vdd-13.5	N/A	0	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=5.0V	-	1.5	3.0	mA
Driving Current (LCD)		-	0.4	1.0	mA
Driving Voltage (LCD)		3.8	4.5	4.9	V
Input Voltage "H"		2.2	-	Vdd	V
Input Voltage "L"		-0.3	-	0.6	V
Output Voltage "H"	Ioh=0.205mA	2.4	-	-	V
Output Voltage "L"	Iol=1.2mA	-	-	0.4	V

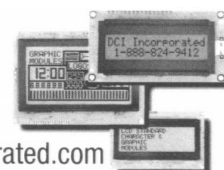
BOTTOM BACKLIGHT CHARACTERS (@ 25°C)

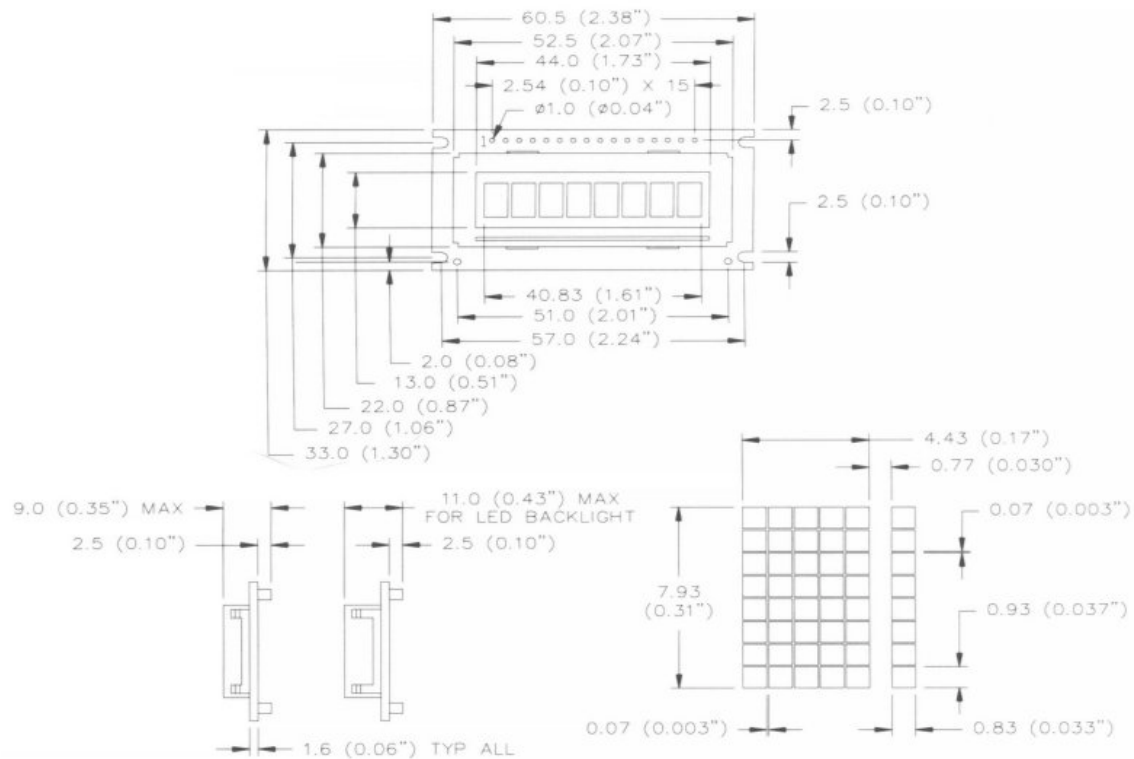
PARAMETER	CONDITION	MIN	TYP.	MAX.	UNIT
Supply Voltage	-	-	4.1	-	V
LED Forward Consumption Current	@ 25°C Vf=4.1V	-	70	-	mA
LED Allowable Dissipation	-	-	300	-	mW



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MECHANICAL DATA 8X1A

* Module thickness with backlight 11.0 mm (.43")

ITEM	SPECIFICATION	MM(IN)
Module Size (WxHxT)	60.5x33.0x9.0 (2.38"x1.30"x0.35")	mm(in)
Viewing Area (WxH)	44.0x13.0 (1.73"x0.51")	mm(in)
Character Font (WxH)	5x7+cursor	Dots
Character Size (WxH)	4.43x7.93 (0.17"x0.31")	mm(in)
Character Pitch (WxH)	5.20 (.008")	mm(in)
Dot Size (WxH)	.083x0.93 (0.033"x0.037")	mm(in)