



15301 West 109th St, Lenexa, KS 66219

INCORPORATED 13-982-5672 913-982-5766 Fax

DCI24064B 240 dots x 64 dots

1/64DUTY, 1/9BIAS

PINOUT (Drivers/Controllers T6963C, T6A39, T6A40)

PIN	SYMBOL	SIGNAL DESCRIPTION
1	FG	Frame GND
2	Vss	GND
3	Vdd	Power Supply
4	Vee	Power Supply for LCD
5	WR	Write when "L"
6	RD	Read when "L"
7	CE	Enable when "L"
8	C/D	Register Select(L=Data,H= Instruction)
9	RSTB	Reset Signal When "L"
10 to 17	DB0 to DB7	Data Bus for 8bit Mode
18	FS	Select character style 6x8 or 8x8
19	A	Anode of LED unit
20	K	Cathode of LED unit

ABSOLUTE MAXIMUM RATINGS

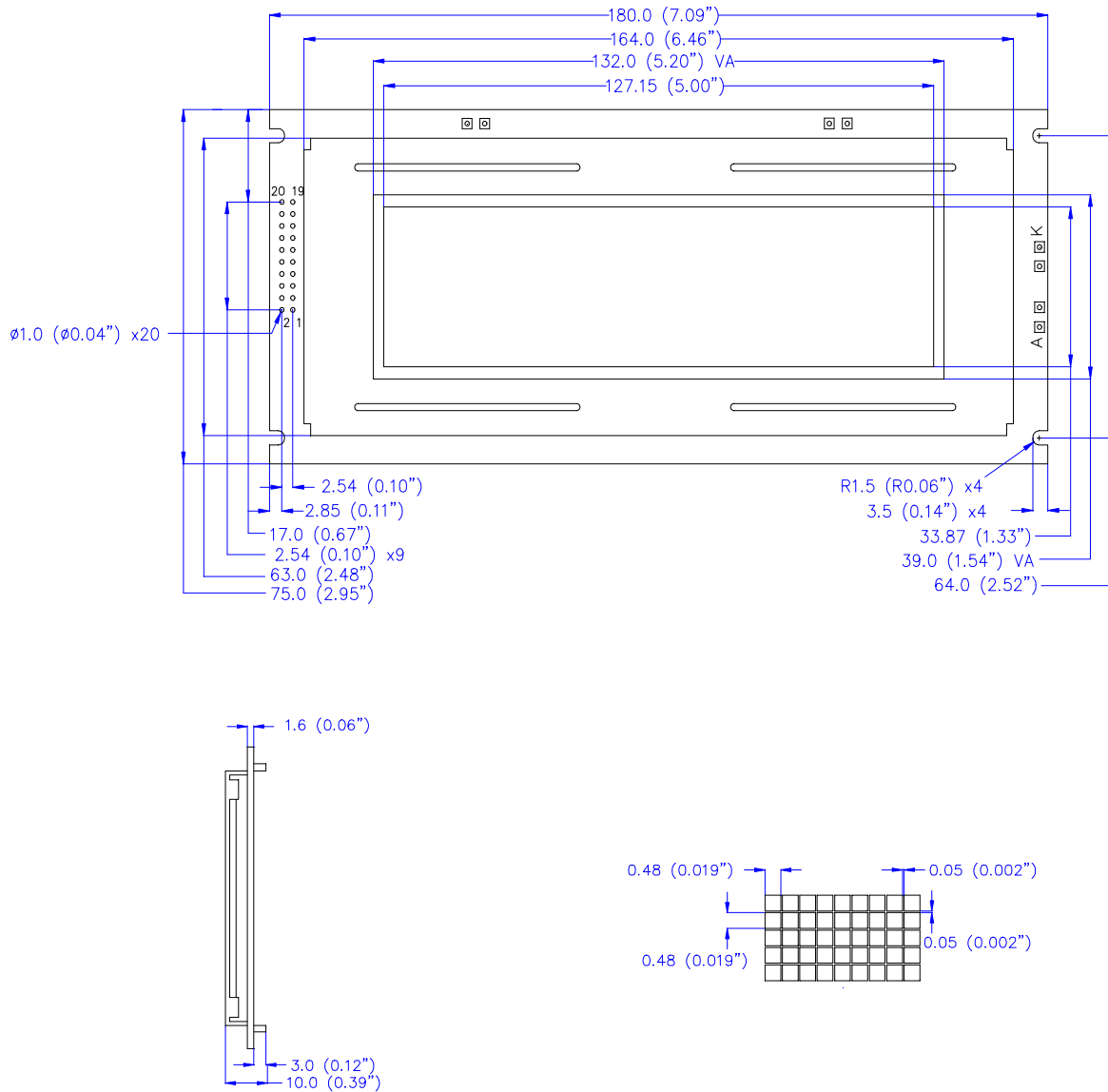
PARAMETER	MIN.	TYP.	MAX.	UNIT
Supply Voltage	-0.3	N/A	7.0	V
LCD Supply Voltage	Vdd-19.0	N/A	Vdd+0.3	V
Input Voltage	-0.3	N/A	Vdd+0.3	V
Operating Temperature	0	N/A	50	°C
Storage Temperature	-20	N/A	70	°C

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	-	8.6	-	mA
Driving Current(LCD)	Vee=-7.8	-	4.0	-	mA
Driving Voltage(LCD)	25°C	-	12.8	-	V
Input Voltage—H	H	Vdd-2.2	-	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
Supply Voltage	-	-	4.1	-	V
LED Forward Consumption Current	@ 25°C Vf=4.1V	-	225 side 520 bottom	-	mA
LED Allowable Dissipation	-	-	920 side 2500 bottom	-	mW



MECHANICAL DATA 240X64B

* Module thickness with backlight 15.0 mm

ITEM	SPECIFICATION	MM(IN)
Module Size (WxHxT)	180.0x75.0x10.0 (7.09"x2.95"x0.39")	mm(in)
Viewing Area (WxH)	132.0x39.0 (5.20"x1.54")	mm(in)
Number of Dots (WxH)	240x64	dots
Dot Pitch (WxH)	0.53x0.53 (0.020"x0.020")	mm(in)
Dot Size (WxH)	0.48x0.48 (0.019"x0.019")	mm(in)