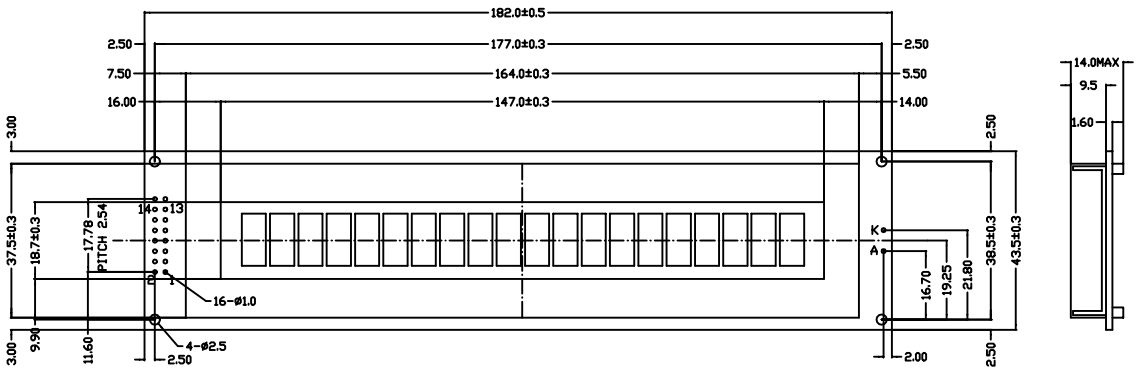
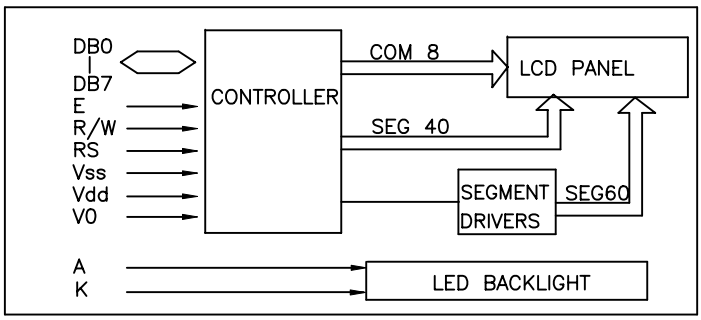
OD-DM2001C

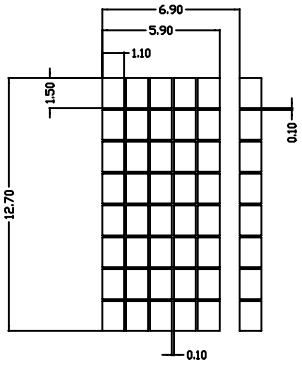
ORIENT DISPLAY 2001

20CHAR.
1LINE

* LCD PANEL
  Y/G STN
* View Angle
  12H
* Character
  Eng/Jan
* Backlight
  Y/G LED







All dimensions in mm. Tolerance +0.3mm unless otherwise specified.

MECHANICAL SPECIFICATIONS		
ITEM	SPECIFICATION	UNIT
Overall Size	182Wx43.5Hx14.0T	mm
Viewing Area	147.0Wx18.7H	mm
Character Number	20Wx1H	
Character Size	5.90Wx12.70H	mm
Character Pitch	6.90Wx12.70H	mm
Dot Size	1.10Wx1.50H	mm

PIN ASSIGNMENT		
PIN	SYMBOL	FUNCTION
1	Vss	Power Supply(GND)
2	Vdd	Power Supply(+5V)
3	Vo	Contrast Adjust
4	RS	Instruction/Data Register Select
5	R/W	Data Read/Write
6	E	Enable Signal
7–14	DB0–DB7	Data Bus Line
15	A	Power Supply for LED B/L(+)
16	K	Power Supply for LED B/L(–)

ABSOLUTE MAXIMUM RATINGS				
ITEM	SYMBOL	MIN.	MAX.	UNIT
Power Supply (Logic)	Vdd	–0.3	7.0	V
Power Supply (LCD)	Vo	Vdd–15.0	Vdd+0.3	V
Input Voltage	Vi	–0.3	Vdd	V
Operating Temperature	Topr	–20	70	℃
Storage Temperature	Tstg	–30	80	℃

ELECTRICAL CHARACTERISTICS (Ta=25C, Vdd=5V+0.25V)					
ITEM	SYMBOL	MIN.	MIN.	MAX.	UNIT
Power Supply(Logic)	Vdd	4.5	5.0	5.5	V
Supply Current	Idd	2.0	—	—	mA
LCD Driving Voltage	Vdd–Vo	4.8	5.0	5.2	V
Input Voltage "H"	Vih	2.2	—	Vdd	V
Input Voltage 'L"	Vil	—	—	0.6	V
Output Voltage "H"	Voh	2.4	—	—	V
Output Voltage 'L"	Vol	—	—	0.4	V

LED BACKLIGHT SPECIFICATIONS			
ITEM	TYP.	ITEM	TYP.
Forward Voltage	4.2V	Power Dissipation	1600mW
Forward Current	380mA	Emission Wavelength	570nm