Tuxgraphics LCD display 16x2 characters
(reflective, without background light)

Controller type: Samsung KS0066 or equivalent (HD44780 compatible controller)
Interface: 4-bit or 8-bit parallel
Supply voltage: 4.75V (min) to 5.25V (max)   Supply current: ca. 2mA
Storage temperature: -10 to +60 'C   Operating temperature: 0 to 50 'C
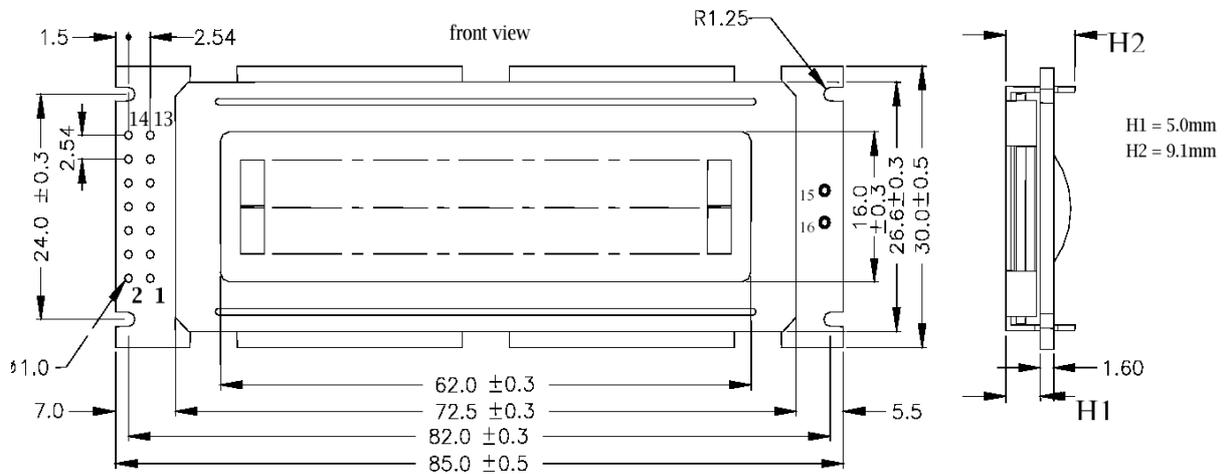Viewing angle: 6 O'clock

Connector Pin Assignment:

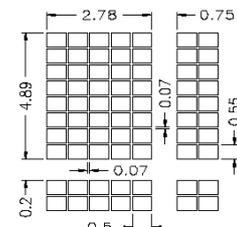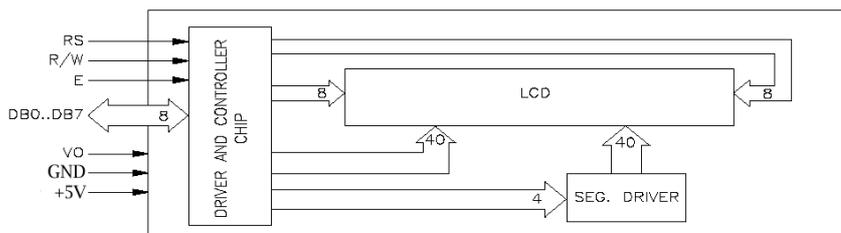| Pin	Symbol	Function	Pin	Symbol	Function
14	DB7	Data Bus Line	6	E	Enable
13	DB6	Data Bus Line	5	R/W	Read/Write
12	DB5	Data Bus Line	4	RS	Register select input
11	DB4	Data Bus Line	3	Vcontrast	Contrast (0V for max contrast)
10	DB3	Data Bus Line	2	**GND (0V)**	Power supply
9	DB2	Data Bus Line	1	**Vcc +5V**	Power supply
8	DB1	Data Bus Line			
7	DB0	Data Bus Line			

Note1: Pin 1 is +5V and pin 2 is GND! This is different from most other HD44780 compatible models.

Note2: Pin 14 is marked with a "1" on the back of the PCB. Do not get confused by this.

Dimensions and pin positions

BLOCK DIAGRAM

Double check the polarity of the power supply connection. Incorrect polarity will destroy the display immediately.