



PC1602C-O Series (16x2) Character Display

Features

- *16 Character, 2 Line
- *View Angle 12H or 6H
- *STN Fluid Yellow, Gray or Blue
- *Extended Temperature Range available
- *LED Backlight available
- *RoHS Compliant



Absolute Maximum Ratings at T_A = 25°C

Item	Symbol	Min	Max	Unit
Power Supply (Logic)	Vdd	0.5	6.5	V
Input Voltage	V _i	0.5	Vdd+0.5	V
Operating Temperature (Standard)	T _{opr}	0	50	°C
Storage Temperature (Standard)	T _{stg}	-10	60	°C
Extended Operating Temperature	T _{opr}	-20	70	°C
Extended Storage Temperature	T _{stg}	-30	80	°C

Electrical Characteristics at T_A = 25°C, Vdd=5V±0.25V

Item	Symbol	Min	Typ	Max	Unit
Power Supply (Logic)	Vdd-Vss	4.5	5.0	5.5	V
Supply Current	I _{dd}	0.8	1.0	1.5	mA

Interface Pin Connection

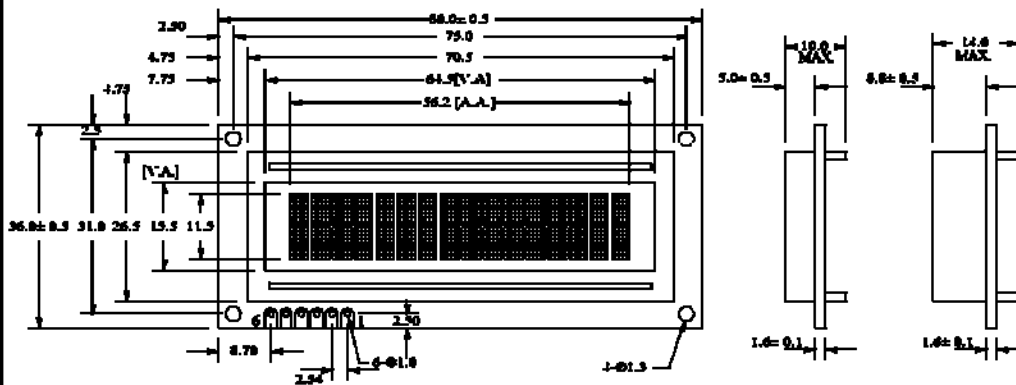
No	Symbol	Function
1	Vss	Power Supply (GND)
2	Vdd	Power Supply (+5V)
3	SCL	I2C-Buss Serial Clock Input
4	SDL	Data Input/Output
5	A	Power Supply for LED Backlight (+)
6	K	Power Supply for LED Backlight (-)

LED Backlight Specifications

Forward Voltage	Forward Current	Power Dissipation	Peak Wavelength
4.3V (Max)	100mA	410mW	570nm (Typ)

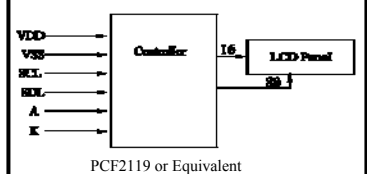
Mechanical Specifications

Item	Overall Size	Viewing Area	Character Size	Character Pitch	Dot Size
Specifications	80.0W x 36.0H x 10.0T (BL14.0T)	64.5W x 15.5H	2.95W x 5.55H	3.55x5.95	0.55W x 0.65H



All dimensions are in mm. Tolerance is ± 0.3 Unless otherwise specified

LCD Block Diagram



Dot Layout

