

Part number list

BC4002AI □□□□□\$

Feature

1. Built-in controller ST7066 or equivalent
2. +5V single power supply
3. RS232C, SPI, I2C interface selectable
4. Contrast/Backlight adjustment by program

Pin Assignment

Pin No.	Symbol	Description
1	TX	RS-232 level output port.
2	RX	RS-232 level input port
3	VSS	Ground.
4	VDD	System power supply input.
5	SDA	I2C: Data Input/output for the I ² C SPI: Serial data Input
6	SCL	I2C: Clock Input for the I ² C SPI: Serial clock Input
7	SDO	SPI: Serial data Output
8	/CS	SPI: Chip select

Mechanical Data

Item	Standard Value	Unit
Module Dimension	182.0 x 33.5	mm
Viewing Area	154.4 x 16.5	mm
Dot Size	0.65 x 0.65	mm
Character Size	3.2 x 5.55	mm

Electrical Characteristics

Item	Symbol	Standard Value	Unit
		typ.	
Input Voltage	VDD	5	V
Recommended LCD Driving Voltage for Normal Temp. Version module @ 25°C	VDD-VO	4.35	V

Mechanical Drawing

