



BC2002A20



Feature

1. COB with metal frame
2. 5x7 dots with cursor
3. Built-in controller KS0066 or equivalent
4. + 5V single power supply
5. 1/16 duty cycle
6. **RS232 interface**
7. **Option: I2C interface**
8. Option: LED, EL backlight



Mechanical Data

Item	Standard Value	Unit
Module Dimension	116.0 x 37.0	mm
Viewing Area	85.0 x 18.6	mm
Dot Size	0.6 x 0.65	mm
Character Size	3.2 x 5.55	mm

Pin Assignment RS232

Pin	Symbol	Function
1	Data Out	Data out from LCM
2	Data In	Data from user
3	GND	Ground

Pin Assignment PORT2

Pin	Symbol	Function
1	5V	5V input for LCM
2	I2C clock	I2C interface clock input
3	I2C data	I2C interface data input
4	GND	GND for LCM

Electronic Characteristics

Item	Symbol	Condition	Typical Value	Unit
Input Voltage	Vdd	Vdd = +5V	5.0	V
Supply Current	Idd	Vdd = +5V	20.0	mA
LCD Driving Voltage	Vdd-Vo	25°C	5.0	V
LED Forward Voltage	Vf	25°C	4.2	V
LED Forward Current	If	25°C	210	mA
EL Power Voltage	Vel	Vel=110Vac/400Hz		V

Dimension

