COB2004-12

Character 20x4

Part number list

BC2004AI □□□□□$

Feature

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

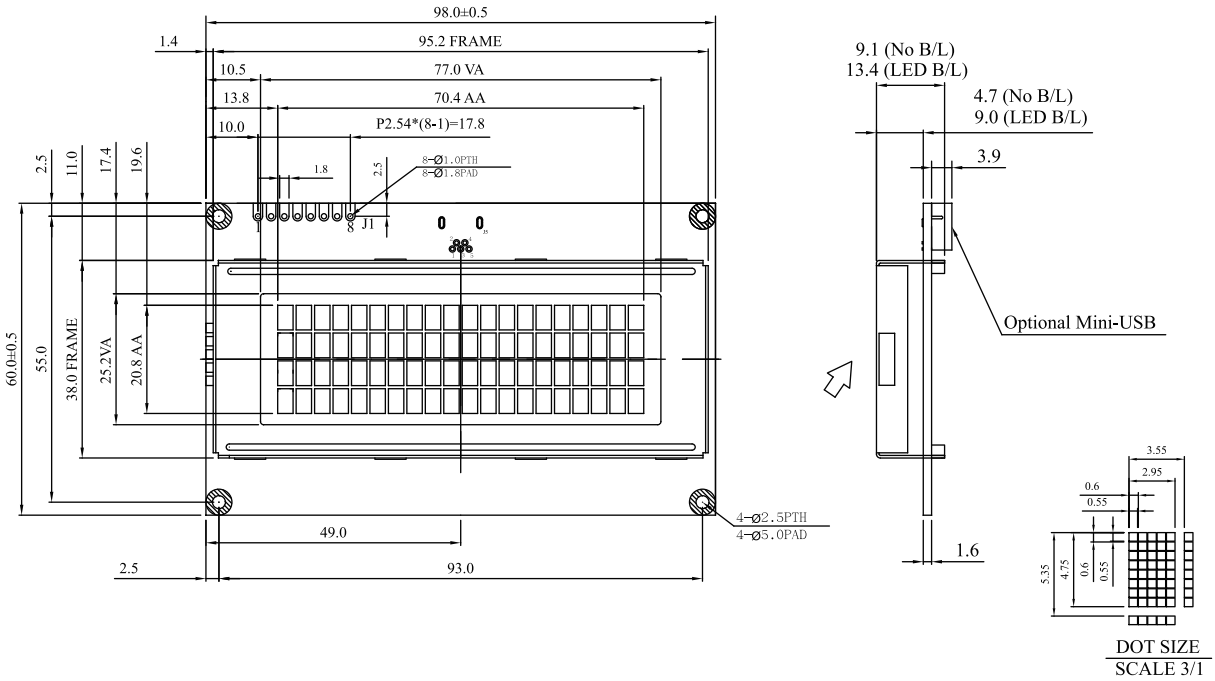
Pin Assignment

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^2C SPI: Serial data Input
6	SCL	I2C: Clock Input for the I^2C SPI: Serial clock Input
7	SDO	SPI: Serial data Output
8	/CS	SPI: Chip select

Mechanical Data

Item	Standard Value	Unit
Module Dimension	98.0 x 60.0	mm
Viewing Area	77.0 x 25.2	mm
Dot Size	0.55 x 0.55	mm
Character Size	2.95 x 4.75	mm

Electrical Characteristics

Item	Symbol	Standard Value typ.	Unit
Input Voltage	VDD	5	V
Recommended LCD Driving Voltage for Normal Temp. Version module @ 25ºC	VDD-VO	4.5	V

Mechanical Drawing