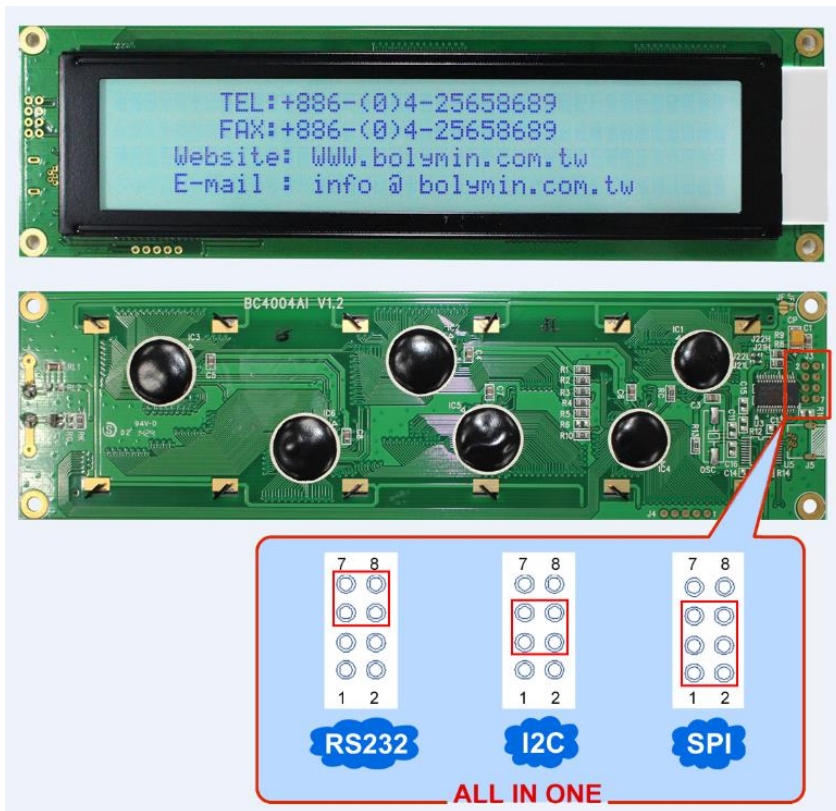


BC4004AI



Feature :

1. Multi-interface : RS232/SPI/I2C(USB optional)
2. COB with metal frame
3. 5x7 dots with cursor
4. Built-in controller ST7066 or equivalent
5. 1/16 duty cycle
6. Backlight : LED EDGE/ARRAY
7. 5V single power supply
8. Contrast/Backlight adjustment by program

Mechanical Date Item	Standard Value	Unit
Module Dimension	190.0x 54.0	mm
Viewing Area	147.0 x 29.5	mm
Dot Size	0.50 x 0.55	mm
Character Size	2.78 x 4.89	mm

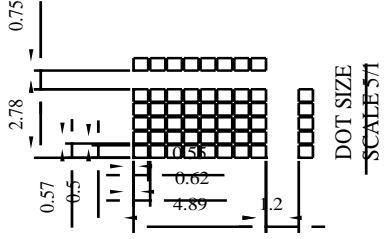
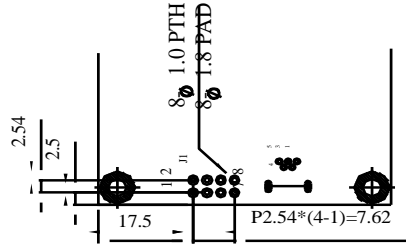
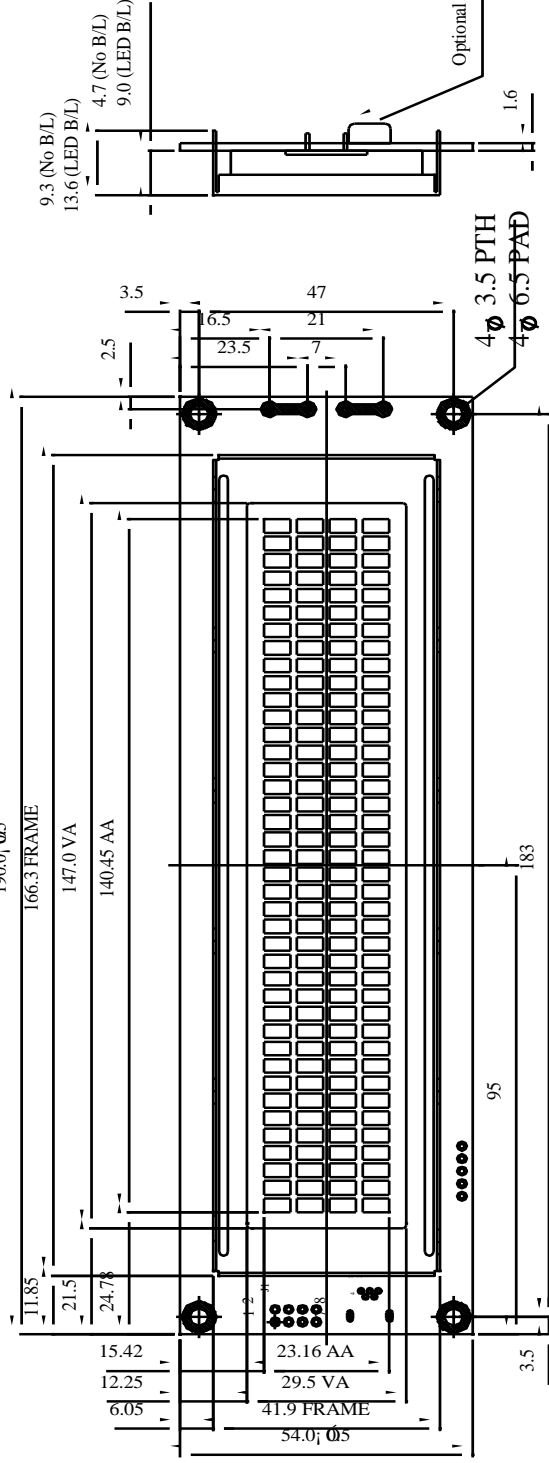
Pin Assignment

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 I2C SPI:Serial data Input .
6	SCL	I2C:Clock Input for I2C SPI:Serial Clock Input .
7	SDO	SPI:Serial clock output.
8	/CS	SPI:Chip select

Electronic Characteristics (Backlight :White only)

Item	Symbol	Condition	Value	Unit
Input Voltage	VDD	VDD=5V	5.0(Typ.)	V
Supply Current with Backlight	IDD	VDD=5V	90 (Max)	mA

PIN NO.	SYMBOL
1	TX
2	RX
3	VSS
4	VDD
5	SDA
6	SCL
7	SDO
8	/CS



THE NON-SPECIFIED TOLERANCE OF DIMENSION IS: $\pm 0.3\text{mm}$

SCALE: 1/1	REV: 0	寶麗明股份有限公司 BOLYMIN, INC.
UNIT: mm	PAGE: 1/1	MODEL BC4004AI DRAFT
APPROVH		TITLE PCB DRAWING
CHECK		DWG NO.
DRAW Allen Sep/11/12		