BOLYMIN

BL2002AM

Feature

1. COG with SMT
2. 5.0 V single power supply (Typ.)
3. 5x7 dots with cursor
4. Built-in controller: Compatible with HD44780/ST7066U
5. Color: White/Yellow
6. Support MCU interfaces:
   - 4 / 8-bit 6800 series parallel interface (STD)
   - I^2C interface (Option)
7. Operating temperatures:-40℃ to 80℃
8. 4 sets of CGROM (hardware selectable)
   - ENGLISH/JAPANESE
   - ENGLISH/CYRILLIC
   - ENGLISH/EUROPEAN I
   - ENGLISH/EUROPEAN II

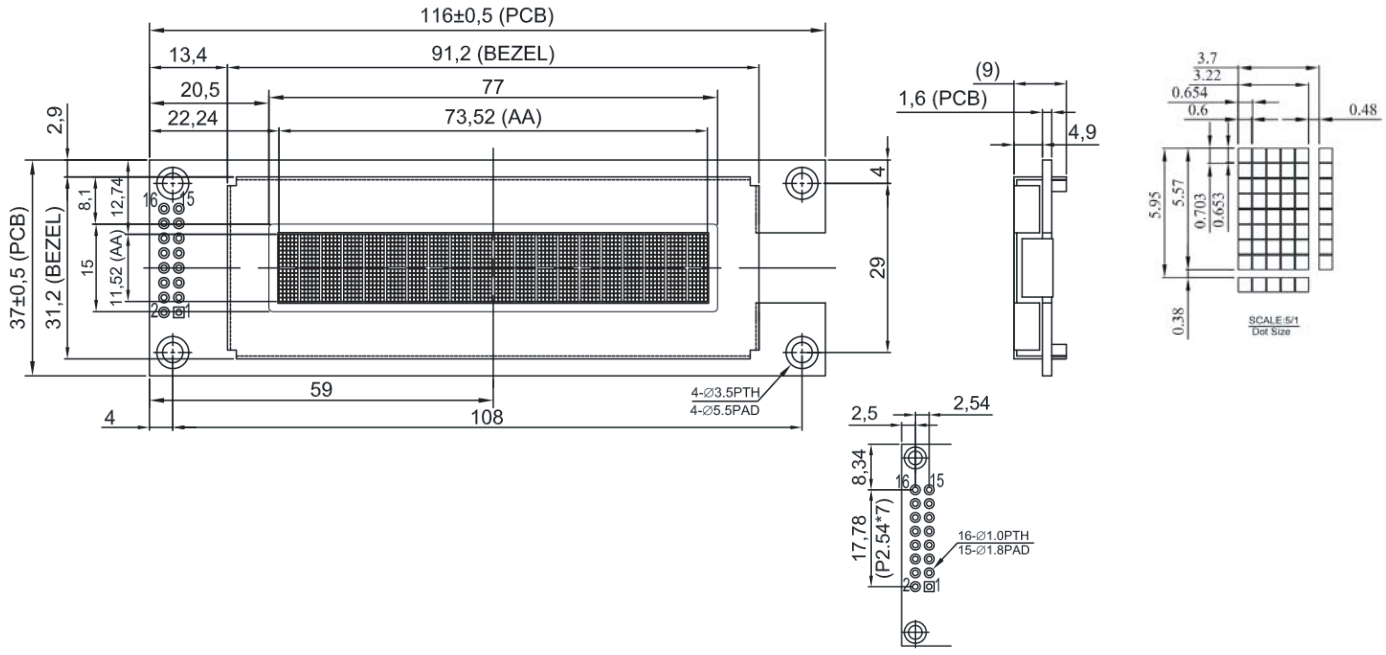
Mechanical Data

Item	Standard Value	Unit
Module Dimension	116.0 x 37.0	mm
Active Area	73.52 x 11.52	mm
Dot Size	0.60 x 0.653	mm
Character Size	3.22 x 5.57	mm

Electronic Characteristics

Item	Symbol	Condition	Typical Value	Unit
Input Voltage	Vdd	Vdd=+5.0V	5.0	V
Supply Current	Idd	Vdd=+5.0V	35.0	mA
Life Time(White)		80cd/m²	70K	hrs
Life Time(Yellow)		80cd/m²	100K	hrs

Pin Assignment

Pin	Symbol	Level	Description
1	GND	0V	Ground
2	VDD	5.0V	Supply voltage for logic.
3	NC	-	-
4	RS	H/L	H: DATA, L: Instruction code
5	R/W	H/L	H: Read (MPU←Module) L: Write (MPU→Module)
6	E	H→L	Chip enable signal
7~14	DB0~7	H/L	Data bit 0~7
15	NC	-	-
16	NC	-	-

Dimension