



BL1601AS



Feature

1. COG with SMT
2. 5.0V/ 3.3V single power supply
3. 5x8 dots format display
4. Built-in controller : Compatible with HD44780/ST7066U
5. Color: white
6. Support MCU Interfaces:
 - o 4 / 8-bit 6800/8080-series parallel interface
 - o 3 / 4 Line Serial Peripheral Interface
 - o I²C Interface (Up to 400kbit/s)
7. Operating temperatures: -40°C to 85°C
8. 4 sets of CGROM (hardware selectable)
 - o ENGLISH/JAPANESE
 - o ENGLISH/CYRILLIC
 - o ENGLISH/EUROPEAN I
 - o ENGLISH/EUROPEAN II



BL-1

Mechanical Data

Item	Standard Value	Unit
Module Dimension	80 x 36	mm
Active Area	59.62 x 6.56	mm
Dot Size	0.55 x 0.75	mm
Character Size	3.07 x 6.56	mm

Electronic Characteristics

Item	Symbol	Condition	Typical Value	Unit
Input Voltage	V _{dd}	V _{dd} =+ 5.0V	5.0	V
Supply Current	I _{dd}	V _{dd} =+ 5.0V	40.0	mA
Life Time (White)		120 cd/m ²	30,000	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

