



## 1602 Character LCD Display

Zhaopin Tech is a professional manufactures of 1602 Character LCD Display. Our professional expertise in manufacturing 1602 Character LCD Display has been honed over the past 10+ years. 1602 Character LCD Display is built-in with controller IC ST7066U-0A which is 8-Bit Parallel Interface (6800 Series) , STN-Y/G-POSITIVE LCD (80 segments and 16 commons), 16x2 characters dot-matrix, 6 O'clock viewing direction, Y/G LED Backlight. The following is about 1602 Character LCD Display related, I hope to help you better understand 1602 Character LCD Display.

## Product Description

### Product Instruction of the 1602 Character LCD Display

We supply 1602 Character LCD Display is a 16x2 characters dot-matrix LCD module. It has a STN panel composed of 80 segments and 16 commons. The LCM can be easily accessed by microcontroller via 6800 series interface.

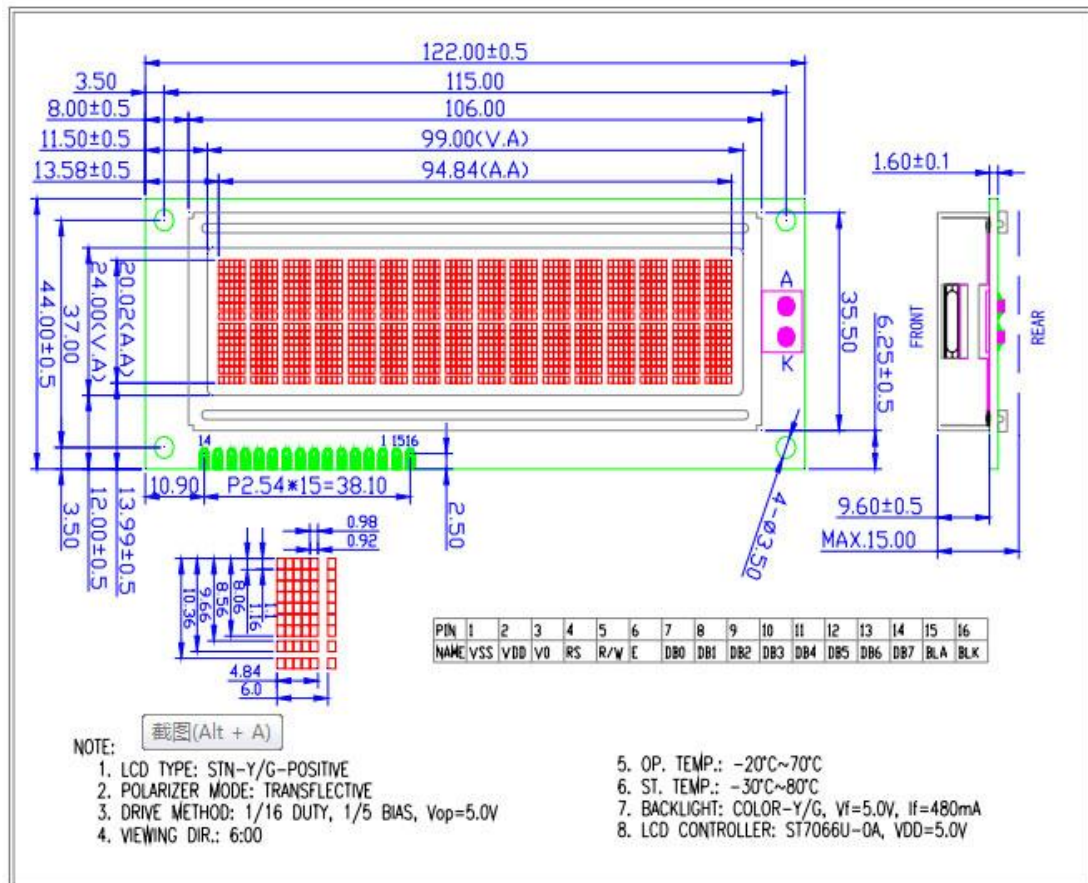
### Product Features of the 1602 Character LCD Display

Display Format	16 Characters × 2 Lines
LCD Type	STN-Y/G-POSITIVE
Polarizer Mode	TRANSFLECTIVE
Drive Method	1/16 Duty, 1/5 Bias
Viewing Direction	6 O'clock
Controller	ST7066U-0A
Interface	8-Bit Parallel Interface (6800 Series)
Backlight	Y/G LED Backlight

## Product MECHANICAL SPECIFICATION of the 1602 Character LCD Display

Item	Description	Unit
Module Dimension	122.0(W)x44.0(H)x15.0(Max)(T)	mm
Viewing Area	99.0(W)x24.0(H)	mm
Active Area	94.84(W)x20.02(H)	mm
Dot Size	0.92(W)x1.10(H)	mm
Dot Pitch	0.98(W)x1.16 (H)	mm
Character Size	4.84(W)x9.66 (H)	mm

## Product Drawing of the 1602 Character LCD Display



## Product INTERFACE PIN DESCRIPTIONS of the 1602 Character LCD Display

PIN No.	Symbol	Level	Description
1	VSS	P	Ground
2	VDD	P	Power supply for logic(+5.0V)
3	V0	P	Power supply for LCD
4	RS	H/L	Select registers. 0: Instruction register (for write) Busy flag: address counter (for read) 1: Data register (for write and read)
5	R/W	H/L	Select read or write. 0: Write 1: Read
6	E H,	H→L	Starts data read/write. Read data when E is "H" ; Write data at the falling edge of E
7	DB0	H/L	Data Bit0
8	DB1 H/L	H/L	Data Bit1
9	DB2 H/L	H/L	Data Bit2
10	DB3 H/L	H/L	Data Bit3
11	DB4 H/L	H/L	Data Bit4
12	DB5 H/L	H/L	Data Bit5
13	DB6 H/L	H/L	Data Bit6
14	DB7 H/L	H/L	Data Bit7
15	BLA	P	Power supply for LED Backlight (+5.0V)
16	BLK	P	Power supply for LED Backlight (0V)

### Product Quality Control of the 1602 Character LCD Display

Before package and shipment, the original products will be tested one by one by our technicians and QC team to make sure the quality of every product is good. We will test goods strictly according to our standard inspection before shipment.

### **Delivery, shipping and Severing of the 1602 Character LCD Display**

- 1) .Payment Terms: T/T, Western Union.
- 2). Shipping: Prompt delivery by UPS, EMS, DHL, TNT, FedEx, or by air.
- 3). Delivery time: 3 days for goods in stock,6-8 weeks for mass production goods.
- 4). Packaging Details: Packed in anti-static bags with foam box to ensure safety in transportation.
- 5). Delivery Details: 1 to 30 days. The delivery fee is up to the weight and volume of the products.
- 6). Samples: Our company offers samples for quality test or other business purposes, but we kindly ask you to pay for samples and the freight.

### **FAQ**

**Q: What is the MOQ?**

A: Generally if you choose the different products, our MOQ also will be different.

**Q: What about the delivery time?**

A: The LCD products need 6-8 weeks to be made after receive deposit.

**Q: Does your product have any warranty?**

A: Yes, we offer 12 months warranty for our products. Damage due to misuse, ill treatment and unauthorized modifications and repairs are not covered by our warranty.

**Q: What's your payment method?**

A: We usually accept the payment methods include T/T, Western Union. 50-100% deposit in advance and balance before shipping upon the payment amount. Buyer can choose which payment ways that you accept.

**Q: What's your shipping method?**

A: We provide comprehensive shipping methods.

For small quantity orders we ship by UPS Air-Express,or DHL/FEDEX/TNT/EMS Express service, it is safe and fast.

For large quantity orders we ship by buyer's cargo agent in China, we can also ship by Air transportation or sea transportation.

**Q: Do you offer custom solution?**

A: Yes, we can offer custom solution if standard products couldn't meet buyer' requirements.

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