ZOPINTECH

20x4 Character LCD Display

20x4 Character LCD Display is built-in with controller IC ST7066U-0A&ST7063x2 which is 8-Bit Parallel Interface（6800 Series）, STN-BLUE-NEGATIVE LCD (80 segments and 16 commons), 20x4 characters dot-matrix, 6 O'clock viewing direction, WHITE LED Backlight.The following is about 20x4 Character LCD Display related, I hope to help you better understand 20x4 Character LCD Display

Product Description

Product Instruction of the 20x4 Character LCD Display

We supply 20x4 Character LCD Display is a is a 20x4 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.
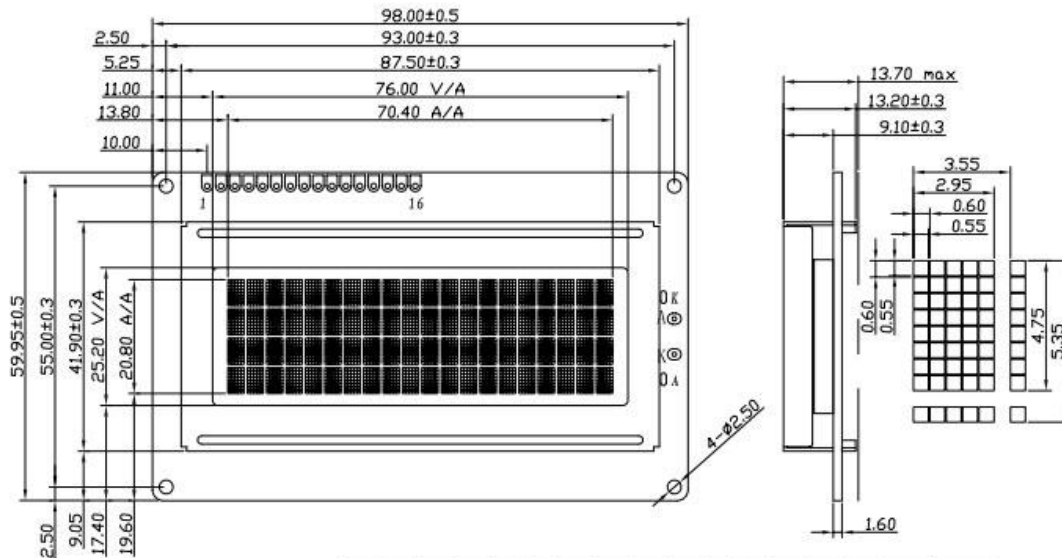
Product Features of the 20x4 Character LCD Display

Display Format	20 Characters x 4 Lines
LCD Type	STN-BLUE-NEGATIVE
Polarizer Mode	TRANSFLECTIVE
Drive Method	1/16 Duty, 1/5 Bias
Viewing Direction	6 O'clock
Controller	ST7066U-0A, ST7063x2
Interface	8-Bit Parallel Interface （6800 Series）
Backlight	WHITE LED Backlight

Product MECHANICAL SPECIFICATION of the 20x4 Character LCD Display

Item	Description	Unit
Module Dimension	98.0(W)x59.95.0(H)x13.7(Max)(T)	mm
Viewing Area	76.0(W)x25.2(H)	mm
Active Area	70.40(W)x20.80(H)	mm
Dot Size	0.55(W)x 0.55(H)	mm
Dot Pitch	0.60(W)x 0.60(H)	mm
Character Size	2.95(W)x4.75 (H)	mm

Product Drawing of the 20x4 Character LCD Display

NOTE:
1. DISPLAY TYPE: STN−BLUE−NEGATIVE
2. DISPLAY MODE: TRANSMISSIVE,ANTI−UV
3. DRIVE METHOD: 1/16 DUTY, 1/5 BIAS, 4.5V Vop, 3.3V VDD
4. VIEWING DIR.: 6:00
5. OP. TEMP.: −20°C~70°C
6. ST. TEMP.: −30°C~80°C
7. BACKLIGHT: COLOR−WHITE, Vf=3.3V,If=45mA
8. DRIVER IC:ST7066,ST7063*2

PIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
SYMBOL	VSS	VDD	V0	RS	R/W	E	D0	D1	D2	D3	D4	D5	D6	D7	LED+	LED-

Product INTERFACE PIN DESCRIPTIONS of the 20x4 Character LCD Display

PIN No.	Symbol	Level	Description
1	VSS	P	Ground
2	VDD	P	Power supply for logic(+3.3V)
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	Data Bit1
9	DB2	H/L	Data Bit2
10	DB3	H/L	Data Bit3
11	DB4	H/L	Data Bit4
12	DB5	H/L	Data Bit5
13	DB6	H/L	Data Bit6
14	DB7	H/L	Data Bit7
15	BLA	P	Power supply for LED Backlight (＋3.3V)
16	BLK	P	Power supply for LED Backlight (0V)

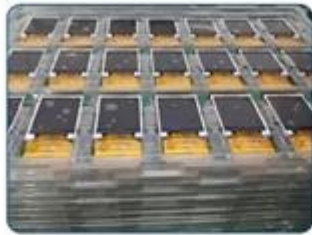## Product Quality Control of the 20x4 Character LCD Display

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 20x4 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.

PACKAGE & LOGISTICS

VACANCY TRAY ADHESIVE TAPE

SHOCKPROOF & WATERPROOF

COMPLETE PACKGE

TRANSPORTATION

SIGN FOR

Shipping&Payment

Solve Questions

Welcome Cooperation

Receiving

Contact Us

Payment

Delivery

DHL　Hongkong Post　TNT　EMS　UPS　FedEx　SWISS POST

2)

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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