



## 24064 Graphic LCD Display

24064 Graphic LCD Display is built-in with controller IC T6963C which is 8080 Serial Interface, STN-BLUE-NEGATIVE LCD (240 segments and 64 commons), 240x64 characters dot-matrix, 6 O'clock viewing direction, WHITE LED Backlight. The following is about 24064 Graphic LCD Display related, I hope to help you better understand 24064 Graphic LCD Display.

## Product Description

### Product instruction of the 24064 Graphic LCD Display

We supply 24064 Graphic LCD Display is a 240x64 dots dot-matrix LCD module. It has a STN panel composed of 240 segments and 64 commons. The LCM can be easily accessed by microcontroller via 8080 Serial Interface.

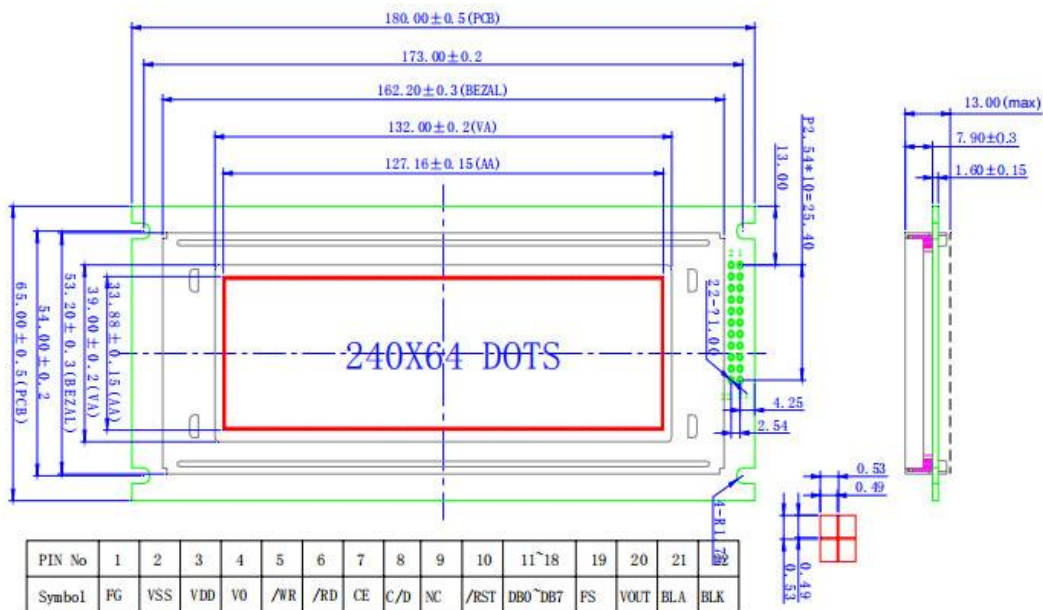
### Product FEATURES of the 24064 Graphic LCD Display

Display Format	240 x 64 dots
LCD Type	STN-BLUE-NEGATIVE
Polarizer Mode	TRANSMISSIVE
Drive Method	1/64 Duty, 1/9 Bias
Viewing Direction	6 O'clock
Controller	T6963C
Interface	8080 Series 8-Bit Parallel Interface
Backlight	White LED Backlight

### Product MECHANICAL SPECIFICATION of the 24064 Graphic LCD Display

Item	Description	Unit
Module Dimension	180.0(W)x65.0(H)x13.0(Max)(T)	mm
Viewing Area	132.0(W)x39.0(H)	mm
Active Area	127.16(W)x33.88(H)	mm
Dot Size	0.49(W)x0.49(H)	mm
Dot Pitch	0.53(W)x0.53(H)	mm
Character Size	—	mm

### Product Drawing of the 24064 Graphic LCD Display



**NOTE:**

- LCD TYPE: STN,BLUE,NEGATIVE
- POLARIZER MODE: TRANSMISSIVE
- DRIVE METHOD: 1/64 DUTY, 1/9 BIAS,  $V_{op}=12.0V$
- VIEWING DIR.: 6:00
- OP. TEMP.:  $-20^{\circ}C \sim 70^{\circ}C$
- ST. TEMP.:  $-30^{\circ}C \sim 80^{\circ}C$
- BACKLIGHT: WHITE,  $V_f=5.0V$ ,  $I_f=200mA$
- LCD CONTROLLER: T6963C,  $VDD=5.0V$

### Product INTERFACE PIN DESCRIPTIONS of the 24064 Graphic LCD Display

PIN No.	Symbol	Level	Description
1	FG	—	Frame Ground

2	VSS	P	Ground
3	VDD	P	Power supply for logic(+5.0V)
4	V0	P	Power supply for LCD
5	/WR	H/L	Data Write. Write data into T6963C when /WR = L.
6	/RD	H/L	Data Read. Read data from T6963C when RD = L.
7	/CE	H/L	Chip Enable for T6963C. /CE must be L when CPU communicates with T6963C.
8	C/D	H/L	/WR =L — C/D = H: Command Write C/D = L: Data Write /RD =L — C/D = H: Status Read C/D = L: Data Read
9	NC	--	No Connection
10	/RST	H/L	H ..... Normal (T6963C has internal pull-up resistor) L ..... Initialize T6963C. Text and graphic have addresses and text and graphic area settings are retained.
11	D0	H/L	Data Bit 0
12	D1	H/L	Data Bit 1
13	D2	H/L	Data Bit 2
14	D3	H/L	Data Bit 3
15	D4	H/L	Data Bit 4
16	D5	H/L	Data Bit 5
17	D6	H/L	Data Bit 6
18	D7	H/L	Data Bit 7
19	FS	H/L	Selection of font. FS= H:6*8 FS=L:8*8
20	VOOUT	P	Built-in Negative Voltage Output
21	BLA	P	Power supply for LED Backlight (+5.0V)
22	BLK	P	Power supply for LED Backlight (0V)

### Product Quality Control of the 24064 Graphic 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 24064 Graphic 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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