16032 Graphic LCD Display

16032 Graphic LCD Display is built-in with controller IC ST7920-0B With GB code simplified character set which is 6800 series 8-bit parallel interface, STN-POSITIVE LCD (160 segments and 32 commons), 160x32 characters dot-matrix, 6 O'clock viewing direction, Y/G LED Backlight .

Product Description

Product instruction of the 16032 Graphic LCD Display

We supply 16032 Graphic LCD Display is a 160x32 dots dot-matrix LCD module. It has a STN panel composed of 160segments and 32 commons. The LCM can be easily accessed by microcontroller   via 6800 series 8-bit parallel interface.

Product FEATURES of the 16032 Graphic LCD Display

Display Format	160 x 32 dots
LCD Type	STN-Y/G-POSITIVE
Polarizer Mode	TRANSFLECTIVE
Drive Method	1/32 Duty, 1/6 Bias
Viewing Direction	6 O'clock
Controller	ST7920-0B With GB code simplified character set
Interface	6800 Series 8-Bit Parallel Interface or Serial Interface
Backlight	Y/G LED Backlight

Product MECHANICAL SPECIFICATION of the 16032 Graphic LCD Display

Item	Description	Unit
Module Dimension	122.0(W)x44.0(H)x14.0(Max)(T)	mm
Viewing Area	99.0(W)x24.0(H)	mm
Active Area	94.36(W)x19.16(H)	mm
Dot Size	0.55(W)x0.56(H)	mm
Dot Pitch	0.59(W)x0.60(H)	mm
Character Size	——	mm

Product Drawing of the 16032 Graphic LCD Display
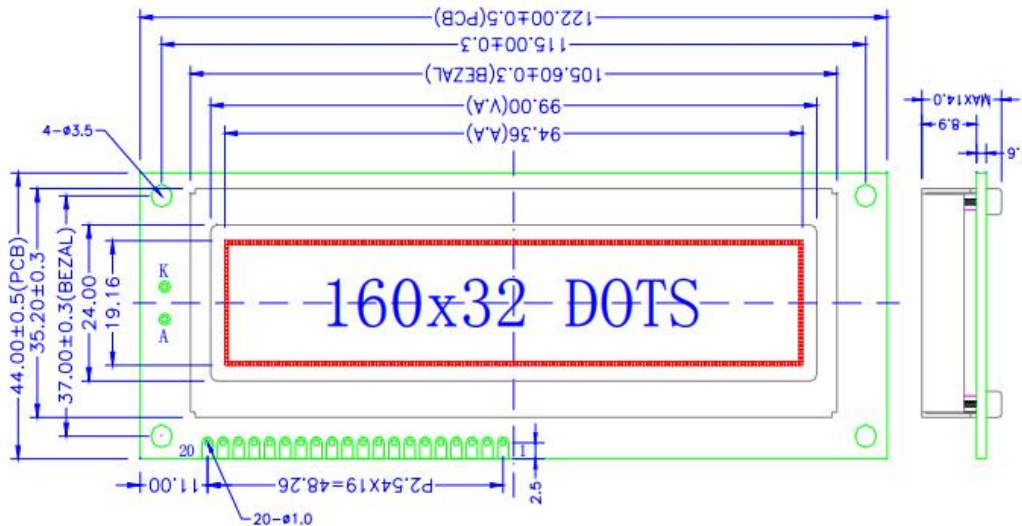
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VSS	VDD	V0	RS	R/W	E	D0	D1	D2	D3	D4	D5	D6	D7	PSB	NC	/RST	VOUT	BLK	BLA

NOTE:
1. LCD TYPE: STN-POSITIVE-Y/G
2. POLARIZER MODE: TRANSFLECTIVE
3. DRIVE METHOD: 1/32 DUTY, 1/6 BIAS, Vop=5.0V
4. VIEWING DIR.: 6:00
5. OP. TEMP.: -20℃~+70℃
6. ST. TEMP.: -30℃~+80℃
7. BACKLIGHT: Y/G, Vf=5.0V, If=240mA
8. LCD CONTROLLER: ST7920-0B, VDD=5.0V
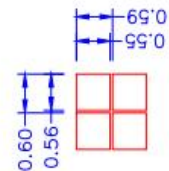
Product INTERFACE PIN DESCRIPTIONS of the 16032 Graphic LCD Display

PIN	Symbol	Level	Description

No.			
1	VSS	P	Ground
2	VDD	P	Power supply for logic(+5.0V)
3	V0	P	Power supply for LCD
4	RS(CS)	H/L	Parallel Mode: Register select. 0: Select instruction register (write) or busy flag, address counter (read); 1: Select data register (write/read) Serial mode: Chip select. 1: chip enabled; 0: chip disabled.
5	R/W(SID)	H/L	Parallel Mode: Read/Write control. 0: Write; 1: Read. Serial Mode:Serial data input.
6	E(SCLK)	H,H→L	Parallel Mode:1: Enable trigger. Serial Mode:Serial clock input.
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	PSB	H/L	Interface selection:0: serial mode; 1: 8/4-bit parallel bus mode.
16	NC	--	No Connection
17	/RST	H/L	System reset input (Low active).
18	VOUT	P	LCD voltage doubler output. (≦7V)
19	BLK	P	Power supply for LED Backlight (0V)

20	BLA	P	Power supply for LED Backlight ($+5.0V$)

Product Quality Control of the 16032 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 16032 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 minimum order qty also will be different.

Q: What about the delivery time?
A: The LCD products need 3-4 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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