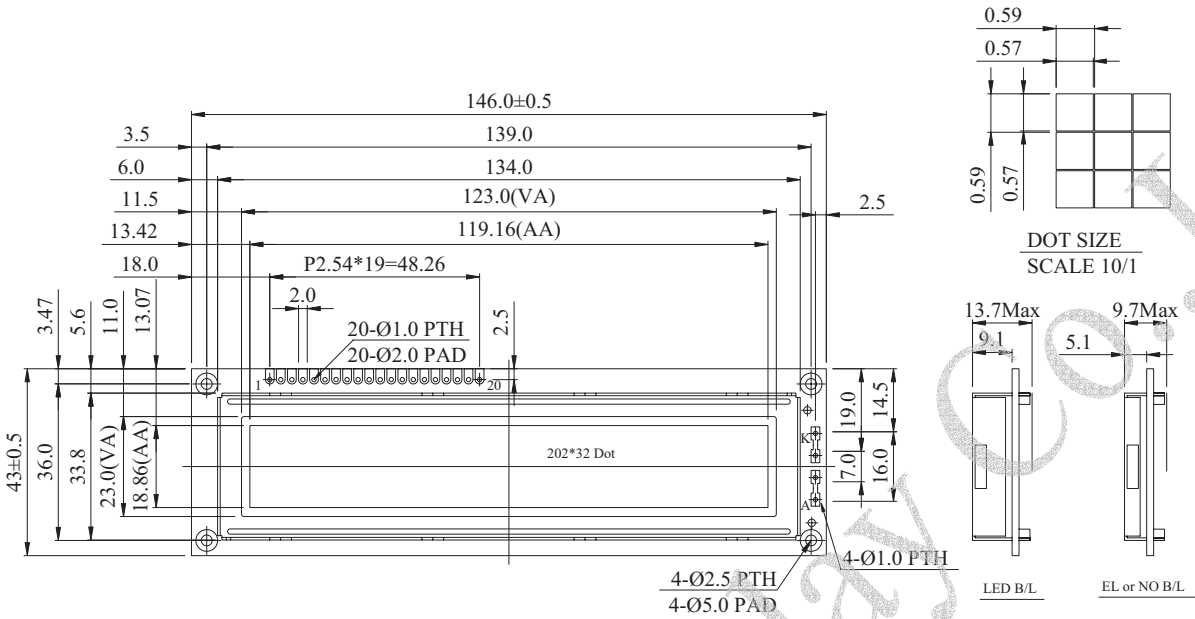




WG20232C Graphic 202x32 dots

Dimension drawing



Feature

1. Built-in controller (ST7920)
2. 1/32 duty cycle
3. +5.0V power supply
4. Chinese Version
5. Same size with WG20232A

Mechanical Data

Item	Standard Value	Unit
Module Dimension	146.0x43.0	mm
Viewing Area	123.0x23.0	mm
Dot Size	0.57x0.57	mm
Dot Pitch	0.59x0.59	mm

Graphic type

Pin NO.	Symbol	Function
1	Vss	Ground
2	Vdd	Supply voltage for logic
3	Vo	NC
4	RS	Register select signal
5	R/W	H: read data L: write data
6	E	Enable signal
7	DB0	Data bus line
8	DB1	Data bus line
9	DB2	Data bus line
10	DB3	Data bus line
11	DB4	Data bus line
12	DB5	Data bus line
13	DB6	Data bus line
14	DB7	Data bus line
15	VEE	Negative Voltage Output
16	RESET	H : MPU 68 type
17	A	Power Supply for LED backlight(+)
18	K	Power Supply for LED backlight(-)
19	NC	NC
20	NC	NC

Absolute Maximum Rating

Item	Symbol	Standard Value			Unit
		min.	typ.	max.	
Power Supply	VDD-VSS	4.75	5.0	5.25	V
Input Voltage	VI	0	---	VDD	V

Note: VSS=0 Volt , VDD=5.0 Volt .

Electronical Characteristics

Item	Symbol	Condition	Standard Value			Unit
			min.	typ.	max.	
Input Voltage	VDD	---	4.5	5.0	5.5	V
Supply Current	IDD	VDD=5V	---	1.0	---	mA
Recommended LC Driving Voltage for Normal Temp. Version module	VDD-VO	-20°C	---	---	---	V
		25°C	---	5.5	---	
		70°C	---	---	---	
CCFL Starting	VFLS	25°C	---	---	---	Vrms
CCFL Driving Voltage	VFLD	25°C	---	---	---	Vrms
CCFL Driving Current	IFLD	VFQ=450Vrms 30KHZ	---	---	---	mAms
LED Forward Voltage	VF	25°C	---	4.2	---	V
LED Forward Current	IF	25°C	---	200	---	mA
EL Power Supply Current	IEF	Vel=110VAC:400Hz	---	---	5.0	mA