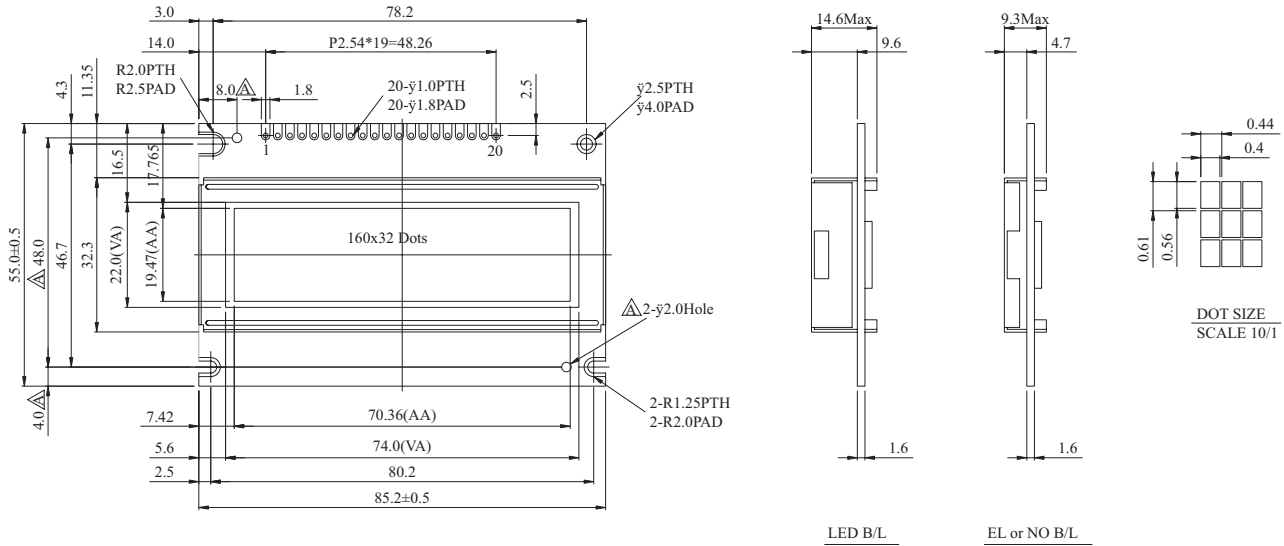




WG16032C Graphic 160x32 dots

Dimension drawing



Feature

1. Built-in controller (ST7920)
2. 1/32 duty cycle
3. +5.0V power supply
4. WG16032D: Chinese Version
5. Same size with WG16032A

Mechanical Data

Item	Standard Value	Unit
Module Dimension	85.2x55	mm
Viewing Area	74.0x22.0	mm
Dot Size	0.4x0.56	mm
Mounting hole	0.44x0.61	mm

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

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	1.4	mA
Recommended LC Driving Voltage for Normal Temp. Version module	VDD-VO	-20°C	---	---	6.2	V
		25°C	---	---	---	
		70°C	4.8	5.5	---	
CCFL Starting Voltage	VFLS	25°C	---	---	---	Vrms
CCFL Driving Voltage	VFLD	25°C	---	---	---	Vrms
CCFL Driving Current	IFLD	VFO=450Vrms 30KHZ	---	---	---	mAms
LED Forward Voltage	VF	25°C	---	4.2	4.6	V
LED Forward Current	IF	25°C	---	180	360	mA
EL Power Supply Current	IEF	Vel=110VAC,400Hz	---	---	5.0	mA

Graphic type