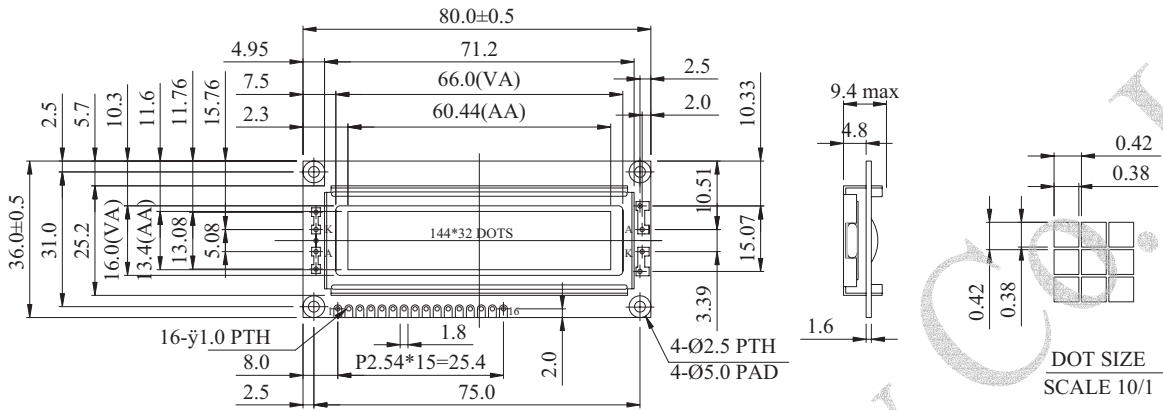




WG14432E Graphic 144x32 dots

Dimension drawing



Feature

1. Built-in controller (ST7920)
2. 1/32 duty cycle
3. +5.0V power supply

Mechanical Data

Item	Standard Value	Unit
Module Dimension	88.0x36.0x9.4	mm
Viewing Area	66.0x16.0	mm
Dot Size	0.38x0.38	mm
Mounting hole	0.42x0.42	mm

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	A	Positive Voltage Output
16	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	1.6	2.2	3.5	mA
Recommended LC Driving Voltage for Normal Temp. Version module	VDD-VO	-20°C	---	---	5.5	V
		25°C	---	4.8	---	
		70°C	4.2	---	---	
CCFL Starting	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	4.0	4.2	4.4	V
LED Forward Current	IF	25°C	80	100	150	mA
EL Power Supply Current	IEF	Vel=110VAC;400Hz	---	---	5.0	mA

Graphic type