BOLYMIN

BG16032A



Feature

1. COB with metal frame
2. Built-in controller ST7920
3. +5V single power supply
4. 1/32 duty cycle
5. Option: +3V single power supply
6. Option: LED, EL B/L Display mode
   Dot matrix(160x32 dots),Chisese Big5 or GB(16x16 dots), ASCII(8x16 dots)

Chinese Font



Mechanical Data

Item	Standard Value	Unit
Module Dimension	116.0 x 37.0	mm
Viewing Area	85.0 x 18.6	mm
Dot Size	0.45 x 0.45	mm
Dot Pitch	0.5 x 0.5	mm

Pin Assignment

Pin	Symbol	Function
1	Vss	GND
2	Vdd	+5V(+3V option)
3	Vo	Contrast adjustment
4	RS	H/L register select signal
5	R/W	read/write signal
6	E	H-->L enable singal
7~14	DB0~7	H/L bus line
15	A/Vee	Power supply for B/L (+)/ Positive Voltage output
16	K	Power supply for B/L (GND)

Electronic Characteristics

Item	Symbol	Condition	Typical Value	Unit
Input Voltage	Vdd	Vdd = +5V	5.0	V
Supply Current	Idd	Vdd = +5V	1.6	mA
LCD Driving Voltage	Vo-Vdd	25°C	4.5	V
LED Forward Voltage	Vf	25°C	4.2	V
LED Forward Current	If	25°C	210	mA
EL Power Voltage	Vel	Vel=110Vac/400Hz		V

Dimension

