

Part number list

BG19232A□□□□□\$

WG19232B-□□□-□□#

SG19232C□□□-□□-□□-□

Feature

1. Built-in controller ST7920
2. Built-in oscillation
3. +5V single power supply
4. 6800 / SPI interface
5. Built-in Chinese font
6. (Option) +3V power supply with negative voltage

Pin Assignment

Pin	Symbol	Function
1	Vss	GND
2	Vdd	+5V (+3.3V option)
3	Vo	Contrast adjustment
4	RS	H/L register select signal
5	R/W	read/write signal
6	E	H->L enable signal
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)

Mechanical Data

Item	Standard Value	Unit
Module Dimension	116.0 x 37.0	mm
Active Area	80.60 x 15.96	mm
Dot Pitch	0.42 x 0.50	mm
Dot Size	0.38 x 0.46	mm

Electrical Characteristics

Item	Symbol	Standard Value	Unit
		typ.	
Input Voltage	VDD	5.0	V
Recommended LCD Driving Voltage for Normal Temp. Version module @25°C	VDD-VO	4.6	V

Mechanical Drawing

