

Part number list

WG12232A-□□□-□□#

BG12232A□□□□\$

SG12232A□□□-□□-□□-□

Feature

1. Built-in controller SBN1661G or equivalent
2. No built-in oscillation (Need external clock)
3. +5V single power supply
4. 6800/8080 interface
5. (Option) +3V power supply with negative voltage

Pin Assignment

Pin	Symbol	Function
1	Vss	GND
2	Vdd	+ 5V(+3V option)
3	Vo	Contrast adjustment
4	Ao	H --> Data L --> Instruction
5	/CS1	L --> Chip1 enable
6	/CS2	L --> Chip 2 enable
7	CL	External clock 2KHZ
8	RD/E	RD for 80 serial; /E for 68 serial
9	WR,R/W	WR for 80 serial; R/W for 68 serial
10~17	DB0~7	Data bus line
18	RES	L: 80 serial, H: 68 serial
19	A/Vee	Power supply for B/L (+)/ Negative voltage output
20	K	Power supply for B/L (GND)

Mechanical Data

Item	Standard Value	Unit
Module Dimension	84.0 x 44.0	mm
Active Area	53.64 x 15.64	mm
Dot Pitch	0.44 x 0.49	mm
Dot Size	0.40 x 0.45	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	4.8	V

Mechanical Drawing

