

### Part number list

BG12864J□□□□\$

### Feature

1. Built-in controller SBN0064G or equivalent
2. Built-in oscillation and negative voltage
3. +5V single power supply
4. 6800 interface
5. Pin header

### Pin Assignment

Pin	Symbol	Function
1	Vss	GND
2	Vdd	Power supply
3	VO	Operating voltage for LCD
4	/RST	Reset signal
5	D/I	Data/Instruction
6	R/W	Data read/write
7	E1	Enable signal for IC2 (segment 1~64)
8	E2	Enable signal for IC3 (segment 65~128)
9	CS1L	Chip selection for IC2 (segment 1~64)
10	CS1H	
11	CS2L	Chip selection for IC3 (segment 65~128)
12	CS2H	
13	VEE	Negative voltage output
14	NC	No connection
15~22	DB0~BD7	Data bus
23	A	Power supply for B/L ( + )
24	K	Power supply for B/L (GND)

### Mechanical Data

Item	Standard Value	Unit
Module Dimension	75.0 x 45.8	mm
Active Area	56.30 x 33.26	mm
Dot Pitch	0.44 x 0.52	mm
Dot Size	0.42 x 0.50	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	10.0	V

### Mechanical Drawing

