

Part number list

BG12864F□□□□□\$

SG12864F□□□-□□-□□-□

Feature

1. Built-in controller SAP1024B or equivalent
2. Built-in oscillation and negative voltage
3. +5V single power supply
4. 8080 interface

Pin Assignment

Pin	Symbol	Function
1	Vss	GND
2	Vdd	Power supply(+5V)
3	Vo	Contrast adjustment
4	C/D	Command/data
5	/RD	Data read
6	/WR	Data write
7~14	DB0~7	Data bus line
15	/CE	Chip enable
16	/RST	Reset signal
17	Vee	Negative voltage output
18	MD2	Column No. selection (H:32 column, L: 40 columns)
19	FS	Font selection (H:6x8,L:8x8)
20	HLT	H: normal L: stop clock oscillation

Mechanical Data

Item	Standard Value	Unit
Module Dimension	87.0 x 70.0	mm
Active Area	66.52 x 33.24	mm
Dot Pitch	0.52 x 0.52	mm
Dot Size	0.48 x 0.48	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	8.5	V

Mechanical Drawing

