

# BO12864D1

## Feature

1. COG package
2. Built-in controller ST7541
3. +3V single power supply
4. 1/64 duty cycle
5. On chip LCD booster
6. 4-Gray scale
7. Option: LED edge B/L

## Mechanical Data

Item	Standard Value	Unit
Module Dimension	52.0 x 42.0	mm
Viewing Area	48.0 x 31.0	mm
Dot Size	0.32 x 0.4	mm
Dot Pitch	0.35 x 0.43	mm



## Pin Assignment

Pin	Symbol	Function
1	GND	Ground
2	VDD	Power supply(3V)
3	DB7	Data bus
4	DB6	Data bus
5	DB5	Data bus
6	DB4	Data bus
7	DB3	Data bus
8	DB2	Data bus
9	DB1	Data bus
10	DB0	Data bus
11	E	Enable signal
12	R/W	H : read L : write
13	A0	H : data L: Instruction
14	/RES	Reset H: Disable L: Enable
15	/CS	H: chip selected L: chip unselected
16	GND	Ground

## Electronic Characteristics

Item	Symbol	Condition	Typical Value	Unit
Input Voltage	Vdd	Vdd = +3.0V	3.0	V
Supply Current	Idd	Vdd = +3.0V	0.5	mA
LCD Driving Voltage	V <sub>LCD</sub>	25°C	9	V

BO-10

## Dimension

