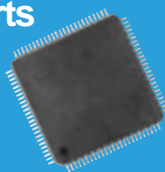


# Character Drivers

## 15-Ch / 1-L Dot Matrix LCD controller Driver with 4-bit Out Put Ports

NJU6623

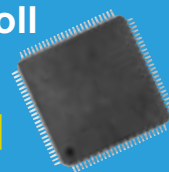
DATA SHEET



## 12-Ch / 1-L Dot Matrix LCD controller Driver with Smooth Scroll Function

NJU6624A/B

DATA SHEET



### GENERAL DESCRIPTION

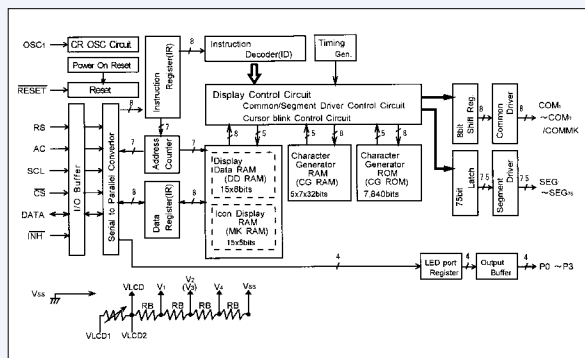
The NJU6623 is a Dot Matrix LCD controller Driver for 15-character 1-line with icon display(75-icon) maximum by itself.

It operates in 1/8 Duty / 1/4 bias driving and provides 4-Bit Output Ports (Static drive) for LED.

### FEATURES

- 15-character/1-line Dot Matrix LCD controller driver
- Serial Interface
- Character Generator ROM : 7,840 bits
- Character Generator RAM : 1,120 bits
- Icon Display RAM : 15x5 bits
- Duty and Bias : 1/8 duty and 1/4 bias
- Software contrast control
- Low power consumption
- Operating voltage : 2.4V to 5.5V(Except LCD Driving Voltage)
- Package outline : QFP100-G1

### BLOCK DIAGRAM



### GENERAL DESCRIPTION

The NJU6624A/B is a Dot Matrix LCD controller Driver for 12-character 1-line maximum with Smooth Scroll function by itself.

It operates in 1/8duty / 1/4bias driving and provides 4-bit Output Ports (static drive) for LED and 32-key scan circuit.

### FEATURES

- 12-character/1-line Dot Matrix LCD controller driver
- Serial Interface
- Character Generator ROM : 7,840 bits
- Character Generator RAM : 1,120 bits
- Icon Display RAM : 60 bits
- Duty and Bias : 1/8 duty and 1/4 bias
- 32-Key Scan function (8 x 4 Matrix)
- Output Ports for LED : 4
- Software contrast control
- Extension Function (Master / Slave)
- Operating voltage : 2.4V to 5.5V(Except LCD Driving Voltage)
- Package outline : QFP100-G1

### BLOCK DIAGRAM

