

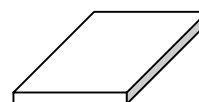
## 10-CHARACTER 1-LINE LCD DRIVER WITH SMOOTH SCROLL FUNCTION

### ■ GENERAL DESCRIPTION

The NJU6515 LCD driver can realize 10-character 1-line and max. 118 icons display. It contains voltage boost, regulator, bleeder resistor, general output ports, oscillator, microprocessor interface circuit, instruction decoder, character generator ROM/RAM and common and segment drivers.

The NJU6515 can realize display with 1-wire serial data from MPU, and its low operation voltage and low current consumption make it very suitable for the space-conscious products.

### ■ PACKAGE OUTLINE



NJU6515C

### ■ FEATURES

- 10-character 1-line
- Maximum 118 Icon Display
- 1-wire Serial Interface
- Display Data RAM                      11 x 8 bits
- Character Generator ROM              6,720 bits (192 characters for 5 x 7 dots)
- Character Generator RAM              77 x 5 bits (11 Patterns for 5 x 7 dots)
- Icon Display RAM                      118 bits
- Duty Ratio                              1/8, 1/9 (Programmable)
- Relocateable COM and SEG Drivers
- Various Instructions                  Display Clear, Return Home, Entry Mode, Duty Ratio, Display ON/OFF, Address Shift, Pattern Shift, Dot Shift, Power Control, General Ports, Electrical Volume, RAM Address, RAM Data Writing
- Voltage Boost                           2-time, 3-time
- Power On Reset Function
- Voltage Regulator                      8-step
- Electrical Volume                      16-step
- Oscillation Circuit                      External Resistor and Capacitor Required
- Bleeder Resistor
- Operating Voltage                      +1.7 to 5.5V
- C-MOS Technology (P-sub )
- Package Outline                        Bare Chip (for COB)