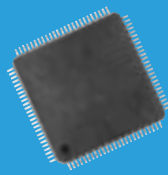


16-Ch / 1-L Dot Matrix LCD controller Driver with Key Scan

NJU6470

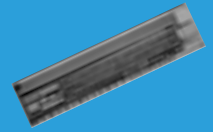
[DATA SHEET](#)



14-Ch / 2-L Dot Matrix LCD controller Driver with Smooth Scroll

NJU6520

[DATA SHEET](#)



■ GENERAL DESCRIPTION

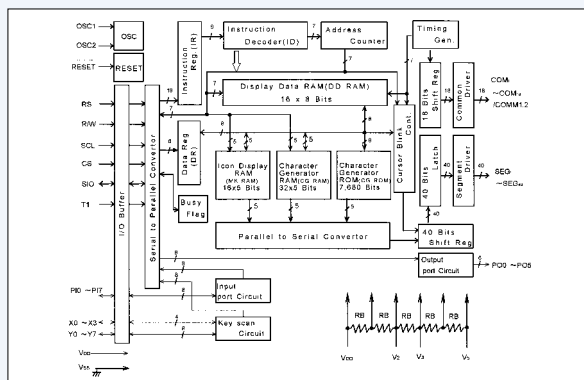
The NJU6470 is a Dot Matrix LCD controller Driver for 16-character 1-line maximum by itself. It provides Key Scan Circuit(8x4), Input Ports, and N-ch Open Drain Output Ports for LED.

The NJU6470 provides the Serial I/F to connect to MPU directly.

■ FEATURES

- 16-character/1-line Dot Matrix LCD controller driver
- Serial Interface
- Character Generator ROM: 7,680 bits
- Character Generator RAM: 32x5 bits
- Icon Display RAM : 16x5 bits
- Maximum 32 Key Inputs (8x4 matrix, chatter free)
- Inputs Ports : 8
- Output Ports for LED : 6 (Output Pattern Instruction)
- Operating voltage : 5V
- Package outline : QFP100-C1 / QFP100-G1

■ BLOCK DIAGRAM



■ GENERAL DESCRIPTION

The NJU6520 is a Dot Matrix LCD controller Driver for 14-character 2-line maximum with horizontal smooth scroll by itself.

It contains voltage Tripler, bleeder resistance to generate about triple voltage (9V) and the bias for LCD Driving waveform internally from single power supply(3V). Furthermore, NJU6520 performs horizontal smooth scroll automatically by instruction.

■ FEATURES

- 14-character/2-line Dot Matrix LCD controller driver
- Serial Interface
- Character Generator ROM: 7,680 bits
- Character Generator RAM: 64x6 bits
- Icon Display RAM : 14x6 bits
- Software contrast control
- Voltage Tripler On-chip
- Low power consumption
- Operating voltage : 2.4V to 3.6V(Except LCD Driving Voltage)
- Package outline : Bump-chip(Rectangle shaped for COG)/TCP

■ BLOCK DIAGRAM

