Character Drivers
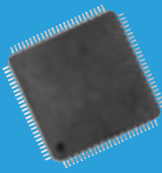
12-Ch / 2-L Dot Matrix LCD controller Driver with Icon display

NJU6428/29 DATA SHEET
NJU6469 DATA SHEET

16-Ch / 1-L Dot Matrix LCD controller Driver

NJU6460A DATA SHEET
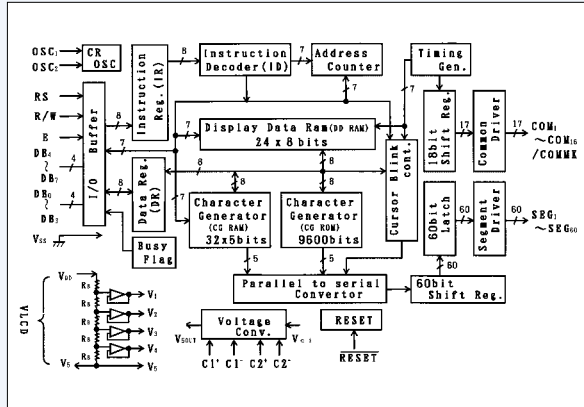### NJU6631A DATA SHEET

■ GENERAL DESCRIPTION

The NJU6428/6429/6469 is a Dot Matrix LCD controller Driver for 12-character 2-line or 24-character 1-line with icon display(60-icon) maximum 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).

■ FEATURES

● 12-character/2-line or 24-character/1-line
  Dot Matrix LCD controller driver
● Character Generator ROM   : 9,600 bits
● Character Generator RAM   : 32x5 bits
● Voltage Tripler On-chip (Switchable Doubler / Tripler)
● Low power consumption
● Operating voltage
  NJU6428/29   : 2.4V to 3.6V(Except LCD Driving Voltage)
  NJU6469   : 2.4V to 3.3V(Except LCD Driving Voltage)
● Package outline : QFP100-C1 / QFP100-G1 / Chip / TCP

■ BLOCK DIAGRAM

■ GENERAL DESCRIPTON

The NJU6460A/6631A is a Dot Matrix LCD controller Driver for 16-character 1-line maximum by itself.

The rectangle outlook is very applicable to COG or slim TCP. The NJU6631A realizes replacement from the NJU6460A.

■ FEATURES

● 16-character/1-line Dot Matrix LCD controller driver
● Character Generator ROM   : NJU6460A 7,680 bits
                                 : NJU6631A 9,600 bits
● Character Generator RAM   : 32x5 bits
● Low power consumption
● Operating voltage   : 5V (Except LCD Driving Voltage)
● Package outline
  NJU6460A   : Bump-chip(Rectangle shaped COG) / TCP
  NJU6631   : Bump-chip(Rectangle shaped COG)

■ BLOCK DIAGRAM

Character Driver

New Japan Radio Co.,Ltd.