

T-52-13-07

# HD61105

## Dot Matrix Liquid Crystal Graphic Display Common Driver

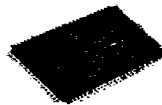
The HD61105 is a common driver for dot matrix liquid crystal graphic display systems in which large capacity and high duty are needed.

It provides 80 driver output lines and the impedance is low enough to drive the liquid crystal of a large screen (200x640 dots or more) by connecting with the column driver HD61104.

### ■ FEATURES

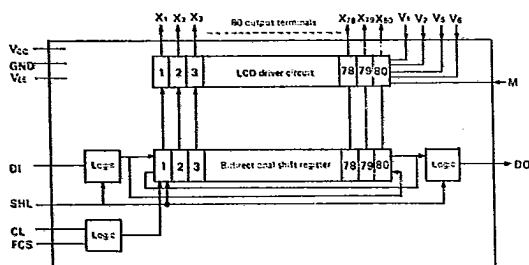
- Dot matrix liquid crystal graphic display common driver with low impedance
- Internal liquid crystal display driver circuit: 80 circuits
- Display duty ratio: selectable from 1/64 to 1/200
- Power supply
  - $V_{CC} = +5V \pm 10\%$  (Internal logic)
  - $V_{EE} = -4.5V \sim -20.5V$  (Liquid crystal display driver circuit)
- Liquid crystal driving level:  $10V \sim 26V$
- CMOS process
- 100-pin flat plastic package (FP-100)

HD61105

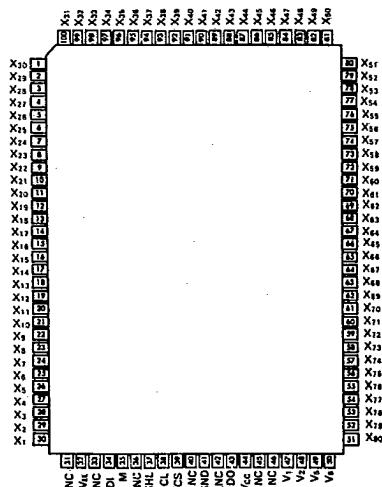


(FP-100)

### ■ BLOCK DIAGRAM



### ■ PIN ARRANGEMENT



(Top View)