LH15A1 is one of the industry’s most advanced wide-screen STN-LCD drivers for 256-color display. The industry’s first subscreen display function makes it possible to display different images and data in a subscreen inside the main LCD screen. It also has a built-in display RAM, a power supply circuit for LCD drive, and an LCD controller circuit, therefore contributing to compact system design. Its partial display function* realizes low power consumption.

*Partial display function: A function that utilizes only part of the screen, thus reducing power consumption.

- **Main specifications**
  - 256-color display
  - Outputs: Segment: 384 outputs, Common: 82 outputs
  - Display RAM capacity: 83,968 bits
  - Built-in display RAM and power supply circuit
  - Partial display functions
  - Switchable display in black and white mode
  - Bus connection with 80-family/68-family MPU
  - Logic power supply voltage: 1.7 to 3.3 V
  - LCD driving voltage: 5.0 to 15.0 V
  - Booster: 2 to 5 times
  - Write system cycle: 140 ns
  - Package: TCP

- **System configuration (Master/slave method)**

In the absence of confirmation by device specification sheets, SHARP takes no responsibility for any defects that may occur in using any SHARP devices shown in catalogs, data books, etc. Contact SHARP in order to obtain the latest device specification sheets before using any SHARP device. Specifications are subject to change without notice for improvement. As of March, 2001.