

# LH15K1

65k-color STN LCD driver

Under development

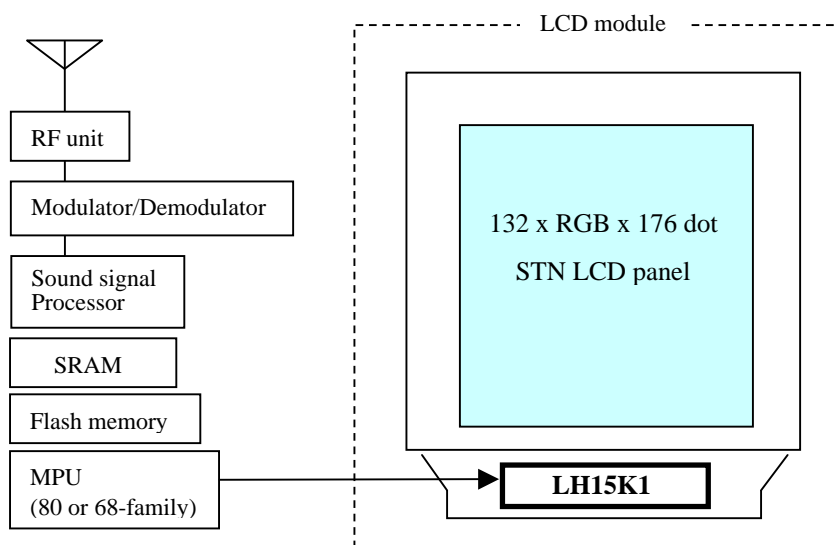
### < Outline >

The LH15K1 is a single-chip STN LCD driver for up to 65k color displays, targeting mid-level types of cellular phones. The LH15K1 has all functions required for an LCD display, including an LCD controllers and a power supply, and it can drive an STN LCD panel of 132 x 176 dots with a single chip.

### < Main Specifications >

- STN-LCD size : 132 x 176 dots
- Provides 65k/4k/256-color display
- Low power consumption design with combination of PWM (Pulse Width Modulation) + FRC (Frame Rate Control) control
- Enables partial display : a specific part of the graphic display area can be displayed
- Supply voltage : 1.8 to 3.3 V
- Built-in DC/DC converters
- CPU interface : parallel (80-family/68-family) serial
- Package : SOF (System On Film)

### < System Configuration Example >



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