

LH15J1H2

Controllers driver for 132 x 132-dot STN LCD

Under development

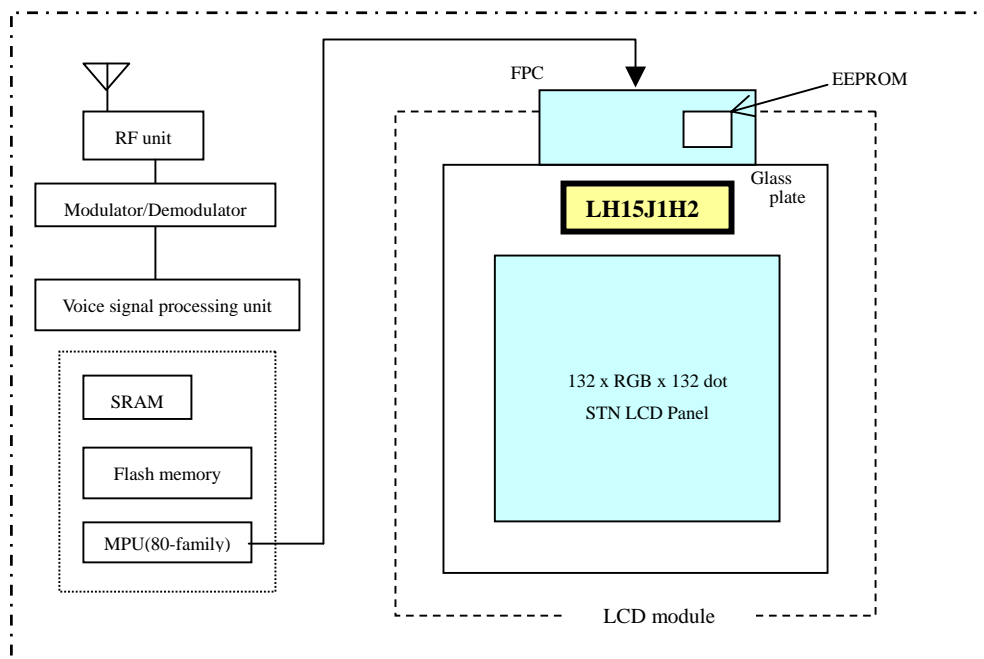
< Outline >

The LH15J1H2 is a controller driver for displaying 132 x 132-dot color STN LCDs, targeting popular types of cellular phones. By incorporating segment and common drivers, a controller, and a display RAM, this model can create a 4 096-color STN LCD module with a single chip, making it possible to prolong battery life due to its lower power consumption. It is also suitable for use in sub-LCD panels.

< Main Specifications >

- For displaying 132 x 132-dot color STN LCDs
- Provides 4 096-color display
- Built-in display RAM
- Built-in booster circuit and voltage generator
- Built-in partial display function
- Built-in interface function with EEPROM
- Supply voltage Logic system : 1.65 to 3.3V
 LCD system : 5 to 18V
- Power consumption : 2.0 mW (TYP.)
 (When using 6-time booster, at all-lighted)
- Write cycle time : 3 MHz
- Operating temperature range : -30 to 85°C
- Package : COG/SOF

< System Configuration Example >



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