

LR38826

TFT-LCD Controller with built-in Gate/Source Driver

Under development

< Outline >

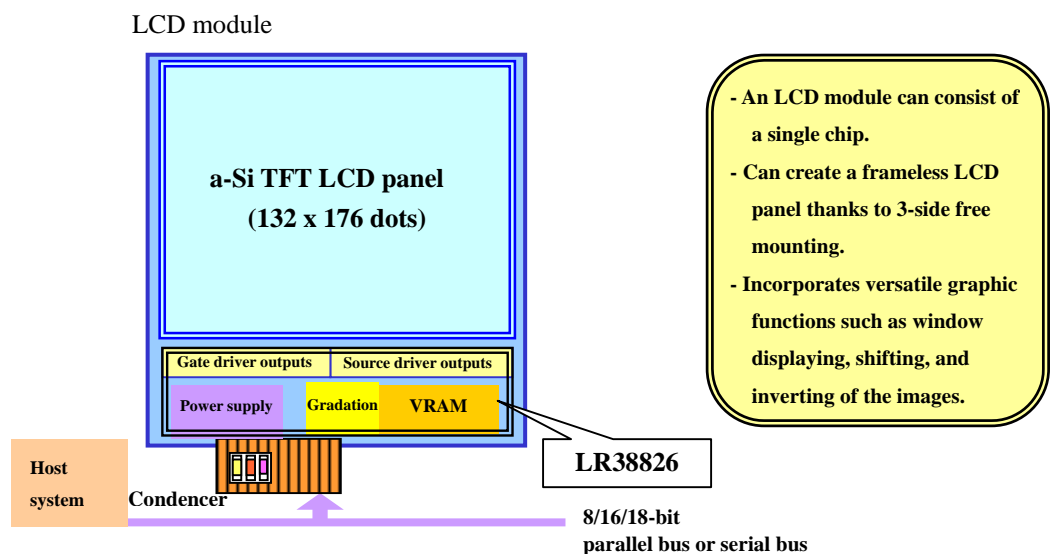
The LR38826 is a controller for 132 x 176-dot TFT-LCDs that targets popular types of cellular phones.

By incorporating gate/source drivers and power supply circuits, the LCD module can consist of a single-chip, creating a module with three-side free mounting and enabling miniaturization of cellular phones. Its versatile graphic function also contributes to advanced cellular phone features.

< Main Specifications >

- TFT-LCD 132 x 176 dots
- Provides 260k-color display
- Enables partial display
- Built-in gray-scale control circuit
- Versatile graphic function
(Window display function/Bit operation functions)
- Built-in DC/DC converters
- CPU interface : 8/16/18-bit parallel or serial
- High-speed RAM write function (10 MHz)
- Built-in image input interface
- Supply voltage : 1.8 V/2.7 to 3.3 V
- Input I/F voltage : 1.8 to 3.3 V
- Power consumption : 3.5 mW (260k-color display)
0.6 mW (8-color partial display)
- Operating temperature range : -30 to 70°C
- Package : COG

< System Configuration Example >



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