KOPIN

CyberDisplay® SVGA LSC

FEATURES

- 800 x 600 x 3 dot active resolution (1,440,000 dots)
- 3.75 um (W) x 11.25 (H) um dot pitch
- Ultra-compact (0.44" diagonal)
- Active pixel area (9.0 mm x 6.75 mm)
- Parallel RGB analog input
- Simple interface for CMOS compatible driver chip
- Power-saving sleep mode
- Integrated low-voltage detect
- Bi-directional horizontal scanner

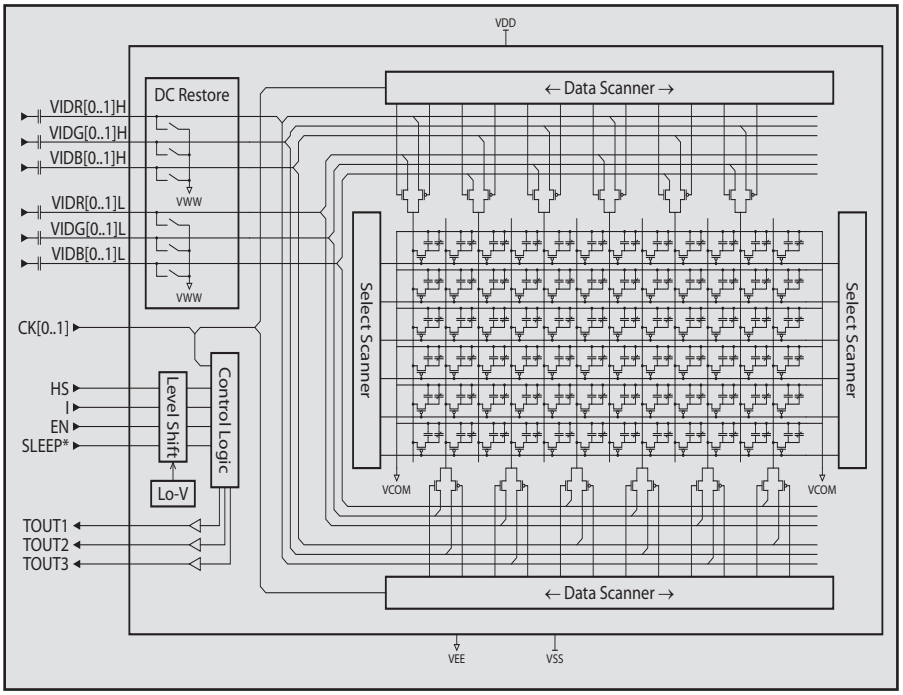
The CyberDisplay® SVGA LSC is a color-filter active matrix liquid crystal display (AMLCD) with a resolution of 800x600. The CyberDisplay SVGA LSC utilizes high-performance single crystal silicon transistors and is the smallest (0.44" diagonal) transmissive AMLCD for the resolution. The transmissive CyberDisplay SVGA LSC has the same display architecture as the industry standard LCD monitor or TV. The ultra-compact CyberDisplay SVGA LSC is ideal for high end consumer or professional portable devices.

Functional Description

The CyberDisplay SVGA LSC features Kopin's low-voltage architecture for low power consumption and compatibility with CMOS driver ICs. Bidirectional horizontal and vertical scanner circuits are integrated along with a sleep mode. The total dot active resolution is 800 x 600 x 3 (1,440,000 dots).

The CyberDisplay SVGA LSC can be driven by the A251 controller IC.

BLOCK DIAGRAM



*Specifications subject to change without notice

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