

SHARP LR38840

NEW PRODUCT INFORMATION

Multicolorizing add-on LCD controller for color STN-LCDs
(for enhancing display capability to 65 536 colors)

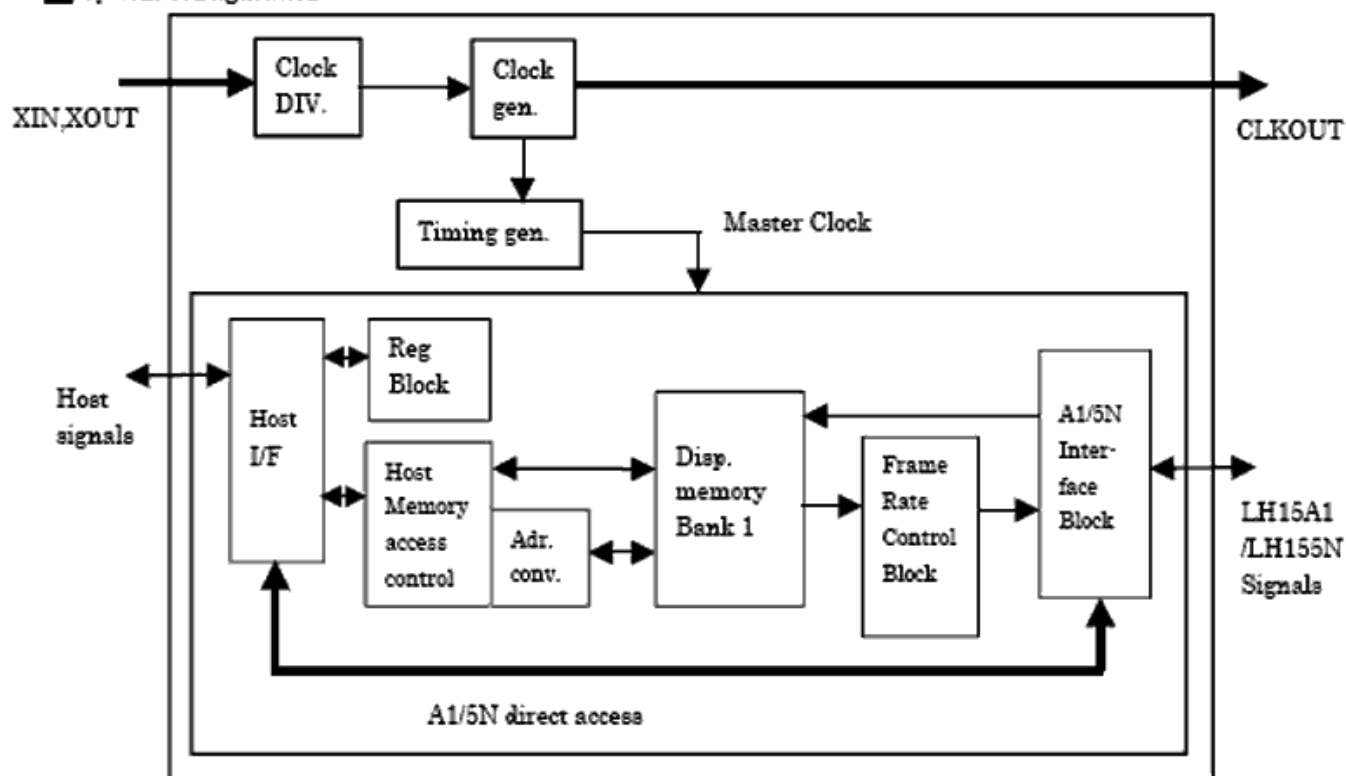
■ Outline

LR38840 is a graphic controller that operates as a front-end unit of LH15A1 or LH155N, LCD drivers with built-in RAMs.

■ Main specifications

- Compatible LCD panels
 - Sharp's color STN-LCD modules
 - Recommended module: LM019LC1Sxx
- Compatible LCD drivers
 - Can control up to two LH15A1 or LH155N LCD drivers
- Display colors
 - Capable of enhancing display capability to 65 536 colors thanks to the 4-scan frame-skipping method
- Display memory
 - Built-in display memory of 20 992 words (16 bit/word)
 - Compatible with panels up to 128 (pixels) x 164 (lines)
- CPU interface
 - 8 bit/16 bit asynchronous host interface
 - Compatible with 68-family/80-family hosts
- Supply voltage: 2.5 V
- Power consumption: 7 mW (when operating)
(When connected to 8-bit bus at 5.4 MHz)
- Package
 - 81FBGA(T-TFPGA081-0808)

■ System configuration



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