

KAWASAKI MICROELECTRONICS Timing Controller with MEMC function

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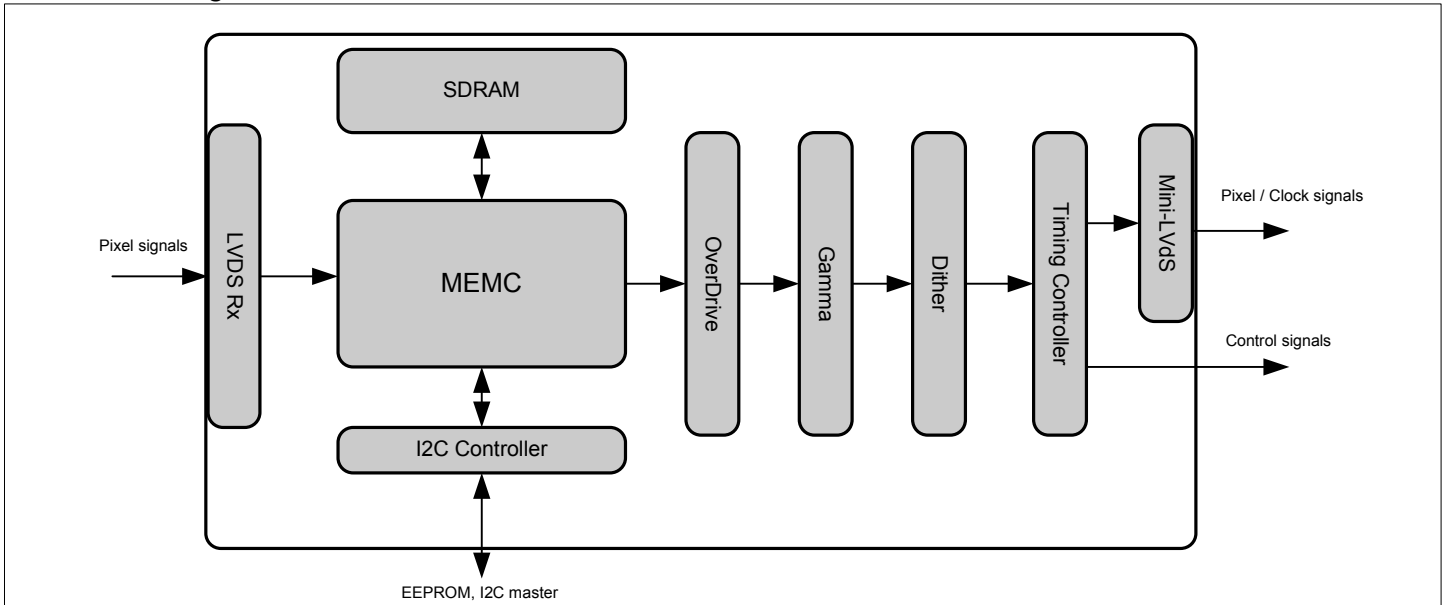
1. Overview

VFRC-A1 is a timing controller for TFT-LCD panel with MEMC (Motion Estimation Motion Compensation) type frame creation function.

2. Features

- Support display resolution : FHD 1920x1080.
- Support frame rate : 50Hz/60Hz input, 100Hz/120Hz output.
- LVDS Input spec
 - frequency range : Max 75MHz.
 - 10/8bit, 2ch.
 - VESA/JEIDA/NS LVDS mapping supported.
- mini-LVDS Output spec
 - 8bit Data 6pair + Clock 1pair, 2ch.
- Functions
 - MEMC function for film judder cancellation and motion blur reduction.
 - Over Drive function.
 - Gamma Correction function.
 - Digital Dither (Virtual 10bit color depth with Dithering).
 - Internal SSCG (Spread Spectrum Clock Generator).
 - Programmable timing of output signals.
 - DE only mode.
 - BIST mode.
 - Low Voltage Reset.
- Exposed TQFP144 package.

3. Block Diagram



4. Contact

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