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SH7262, SH7264

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SH7262, SH7264

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Product Overview:

Renesas Electronics had earlier launched the SH7260 Series of microcontrollers, built an audio field. The SH7262 and SH7264 belong to the SH7260 Series of microcontrollers, a control or digital audio signal processing. This combination of excellent signal processing required by digital audio applications, such as MP3, WMA, or AAC (Advanced Audio Coding) SRAM, not only processing tasks related to equipment control and digital audio, but also SRAM is provided for video display use. It can be configured as a frame buffer to store video. SRAM capacity means that it is possible to use a TFTLCD panel display up to WQVGA size.

The SH7262 and SH7264 provide a new video display controller and digital video input/output video in RGB565 format at up to WQVGA size (480 × 240 pixels).

This reduces the total number of devices required and helps lower both the cost and the

Key Features:

- Operating frequency
 - 144MHz
- CPU performance
 - 345MIPS (Drystone:144MHz)
- Cache
 - 16KByte (Separate Instruction 8K/ Data 8K, 4-way set associative)
- Debug
 - H-UDI, AUD-II
- Package
 - SH7262:176 pin QFP (24mm x 24mm) (0.5mm pitch)
 - SH7264:208 pin QFP (28mm x 28mm) (0.5mm pitch)
- etc
 - External RAM-less system is realized by the 1-MByte/640-KByte large cache
 - Possible to image processing by display controller with video input.
 - Possible to connect with NAND flash, serial flash memory and boot from

Related Resources

[SH2, SH2A brochure](#)
[Build your Security Solution with Renesas Board ID](#)

[Renesas Starter Kit](#)
[Evaluation Software Download](#)
[Evaluation Software Download](#)

[Software Library](#)

Key Applications:

- Audio: car audio, HDD audio and Network audio.
- Graphic dashboard, Vehicle information display.
- Industrial equipment: sequencer, robot etc.