

DVD Audio and Video Decoder

PROMOTIONAL INFORMATION

Features

- **OMEGA Super integration**
- **80 MHz 32-bit ST20 processor**
 - Software for JPEG decoding
- **Drive**
 - RAM less DVD optical interface when combined with STm6316
 - Glueless interface to serial, parallel and ATAPI front-end interfaces
 - Full support of DVD-Video, SVCD, VCD, CD Audio, DVD-RW (CPRM)
- **Video decoder and graphics**
 - MPEG-2 and MPEG-1 video decoder
 - 8-bit OSD with anti-flicker and anti-flutter filters
 - DVD "CSS" decrypting
 - DVD subpicture decoder
 - PAL/NTSC/SECAM digital encoder
 - 6x video DACs
 - P525 progressive scan
 - PAL/NTSC/SECAM digital encoder
- **Audio recorder**
 - Dolby Digital™ audio decoder with 5.1 channel outputs
 - MPEG multichannel audio decoder with 5.1 channel outputs
 - Dolby Virtual Surround
 - SRS® TruSurround®
 - MP3 audio decoder
 - WMA® audio decode
- **Low-cost 208 pin PQFP package**



Description

The STm5589 is a highly integrated DVD audio and video decoder for fourth generation DVD applications. It offer the best overall solutions thanks to STMicroelectronics system-on-chip technology.

The low-cost STm5589 optimizes the system bill of material via a unified memory architecture and when combined with the STm6316. Furthermore, it offers WMA® decode capability.

The STm5589 key features and high level of integration in a single PQFP208 package make it ideally suited for low-cost, high volume DVD player applications.

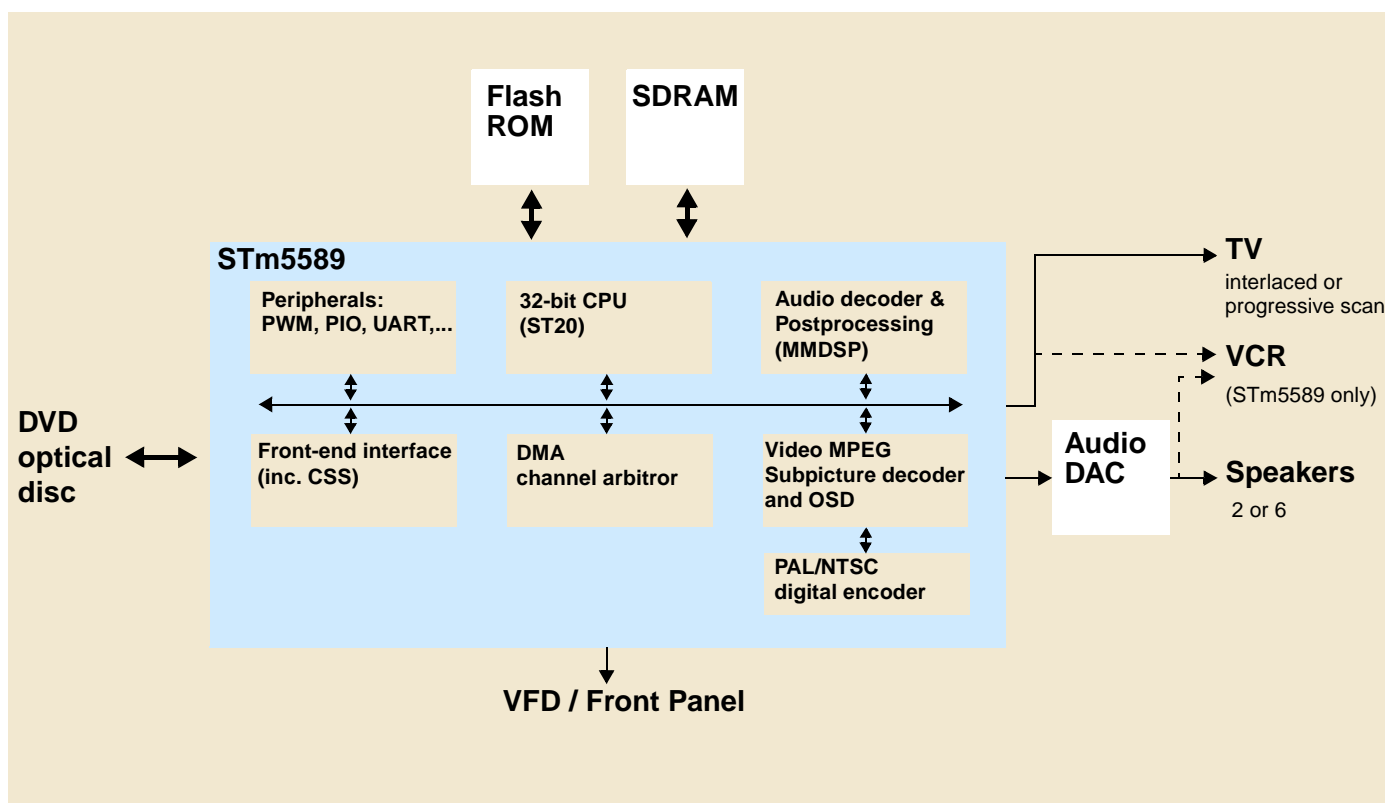
Applications

Fourth generation DVD players

Ordering Information

Package	208 pin PQFP
Ordering code	STm5589

STm5589 system on chip with Omega Super integration



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