



STm6316

DVD Optical Disc

PROMOTIONAL INFORMATION

Features

- DVD-video: DVD-R, DVD+R, DVD+RW and DVD-RW playback up to 2X
- CD-DA: CD-R and CR-RW playback; SA-CD; video-CD up to 6X
- Full servo digital processing
 - ST7 microcontroller
 - Dedicated DSP
- Analog interface connecting to the photo-detector on all popular DVD pick-ups
- Dual laser controller
- Twin laser support
- Motor controllers
- Actuator controllers
- Low-cost 100 pin TQFP



Description

The STm6316 chip based on leading-edge 0.18 micron CMOS production technology integrates all the functions required in the DVD optical interface including analog pre-processing, servo control, channel decoding and error correction.

Optimized for use with STMicroelectronics OMEGA DVD audio and video decoder the STm6316 offers the world's most integrated solution for DVD players.

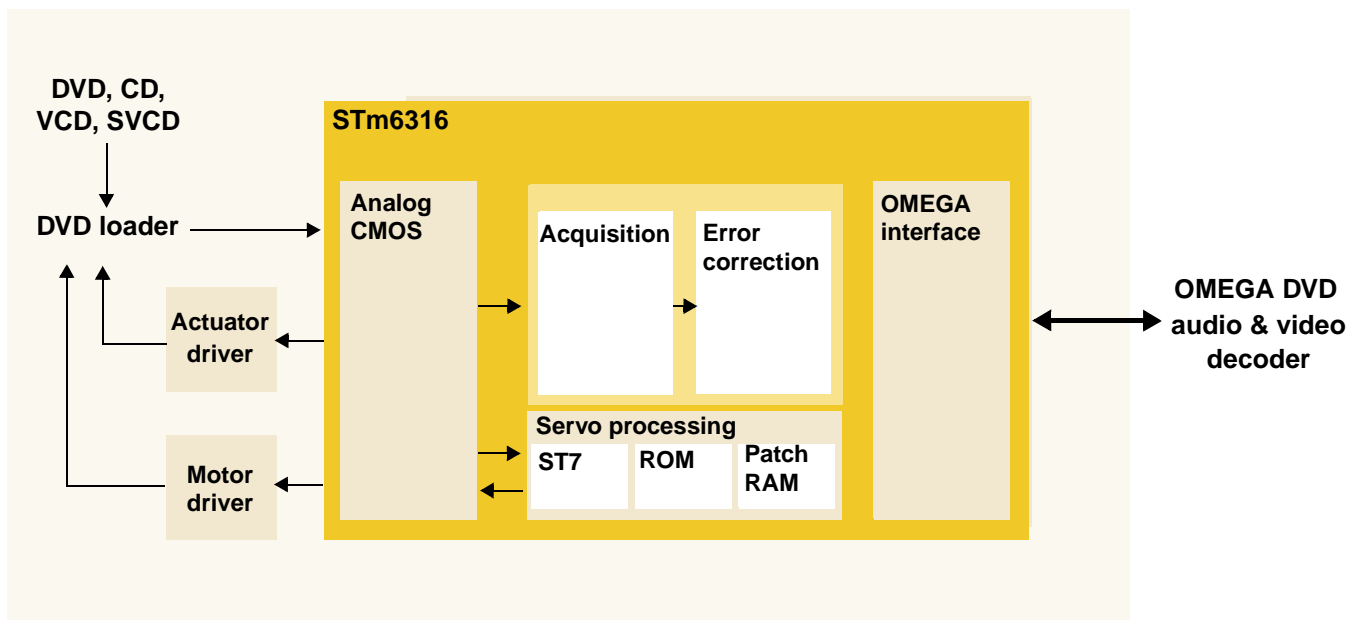
Applications

- DVD optical interface

Ordering Information

Package	100 pin TQFP
Ordering code	STm6316

STm6316 system overview



Information furnished is believed to be accurate and reliable. However, STMicroelectronics assumes no responsibility for the consequences of use of such information nor for any infringement of patents or other rights of third parties which may result from its use. No license is granted by implication or otherwise under any patent or patent rights of STMicroelectronics. Specifications mentioned in this publication are subject to change without notice. This publication supersedes and replaces all information previously supplied. STMicroelectronics products are not authorized for use as critical components in life support devices or systems without express written approval of STMicroelectronics.

The ST logo is a registered trademark of STMicroelectronics

© 2003 STMicroelectronics - All Rights Reserved

Purchase of I²C Components by STMicroelectronics conveys a license under the Philips I²C Patent. Rights to use these components in an I²C system is granted provided that the system conforms to the I²C Standard Specification as defined by Philips.

STMicroelectronics GROUP OF COMPANIES

Australia - Brazil - Canada - China - Finland - France - Germany - Hong Kong - India - Israel - Italy - Japan - Malaysia - Malta - Morocco - Singapore - Spain - Sweden - Switzerland - United Kingdom - United States

www.st.com