

DVD MPEG-2 DECODER**BRIEF DATA**

- SINGLE CHIP AUDIO/VIDEO DECODER
ABLE TO DECOMPRESS MPEG LAYER I
AND II AUDIO STREAMS AND MPEG-2
VIDEO STREAMS
- FULL MPEG-2 MAIN PROFILE/MAIN LEVEL DE-
CODING IN 10.5MBIT (NTSC) OR 12MBIT (PAL)
- LETTER BOX-OUTPUT OPTION
- ON-CHIP PLL REDUCES THE NUMBER OF
CLOCKS IN THE SYSTEM
- INTERNALLY PARSES PACKET ELEMEN-
TARY STREAMS AND TRACES PTS/DTS IN-
FORMATION
- PROVIDES SERIAL INTERFACE TO AN EX-
TERNAL AC3 DECODER
- PROVIDES BIT BUFFER FOR INTERNAL
MPEG1 LAYER 1 AND 2 AUDIO DECODER OR
FOR AN EXTERNAL AC3 AUDIO DECODER
- MOST POPULAR PCM OUTPUT FORMATS
SUPPORTED
- ENHANCED OSD GENERATOR :
UP TO 256 COLORS PER REGION
(8BITS/PEL, 4BITS/PEL, 2BITS/PEL MODES)
- SUB-PICTURE DECODER FOR DVD
GRAPHICS ; ALSO ALLOWS UP TO 8 RE-
GIONS PER LINE OF 4BITS/PELOSD
- DELIVERS TWO VIDEO OUTPUTS : ONE WITH
THE OSD OVERLAY AND ONE WITHOUT
- PIN COMPATIBLE WITH STi3520A
- 3.3V POWER SUPPLY, I/Os 5V COM-
PATIBLE, 0.5 μ CMOS TECHNOLOGY
- 160 PIN PQFP PACKAGE

Applications

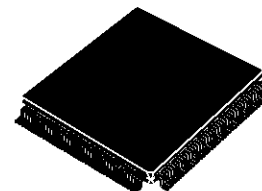
- DIGITAL VIDEO DISC PLAYER
- DIGITAL TV RECEIVER
- PC MULTIMEDIA

DESCRIPTION

The STi3550 is a highly integrated audio/video decoder for compressed digital video applications. It contains a PLL which can generate all the clocks needed to run the application from a single external clock reference and requires minimum support from an external microcontroller. A 8-bit on-screen

display is provided which can be overlaid onto the decoded video.

The STi3550 includes an integrated sub-picture decoder for DVD applications. The chip offers a dedicated interface to an AC-3 decoder and has an integrated Letter Box display mode.



PQFP160
(Plastic Package)

ORDER CODE : STi3550