

6 CHANNEL DOLBY AC-3® DECODER**BRIEF DATA**

- SINGLE CHIP DOLBY AC-3® DECODER
- DECODES 5.1 DOLBY AC-3® DIGITAL SURROUND
- DOLBY® CLASS A DECODER
- OUTPUT TO 6 CHANNELS. OR DOWNMIX MODES : 1, 2, 3 OR 4 CHANNELS
- KARAOKE AWARE MODE FOR DVD
- MPEG2 AUDIO DECODER : LAYER II, DATA RATES UP TO 640 KBIT/S
- PCM : DOWNFILTERING MODES 96 TO 48kHz
- ON CHIP PCM LIP SYNCHRONIZATION
- ACCEPTS MPEG-2 PES STREAM FORMAT FOR : MPEG-2, MPEG-1, DOLBY AC-3® AND PCM
- BITSTREAM INPUT INTERFACE: SERIAL OR PARALLEL
- IEC-958 OUTPUT INTERFACE
- DOLBY PRO-LOGIC® COMPATIBLE OUTPUTS
- ON CHIP PINK NOISE GENERATOR
- PTS HANDLING CONTROL ON CHIP
- NO EXTERNAL DRAM
- I²C OR PARALLEL CONTROL BUS
- 80 PIN PQFP PACKAGE
- LOW POWER 3.3V CMOS TECHNOLOGY

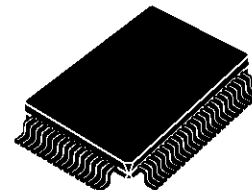
APPLICATIONS

- DVD CONSUMER PLAYERS
- MULTIMEDIA PC
- HDTV
- HIGH END AUDIO EQUIPMENT

DESCRIPTION

The STi4600 is a fully integrated Class A Dolby AC-3® decoder capable of decoding both 5.1 and 2 Channels compatible with the DVD standard. The device also decodes both MPEG1 and MPEG2 layer II Audio.

The device accepts a MPEG-2 PES stream, input data is in the form of a serial interface. The control interface can be either I²C or a parallel 8-bit interface. No external DRAM is necessary for a total of 35ms surround delays.



PQFP80
(Plastic Package)

ORDER CODE : STi4600ACV