

COFDM demodulators IC for terrestrial TV set-top box

DATA BRIEF

DESCRIPTION

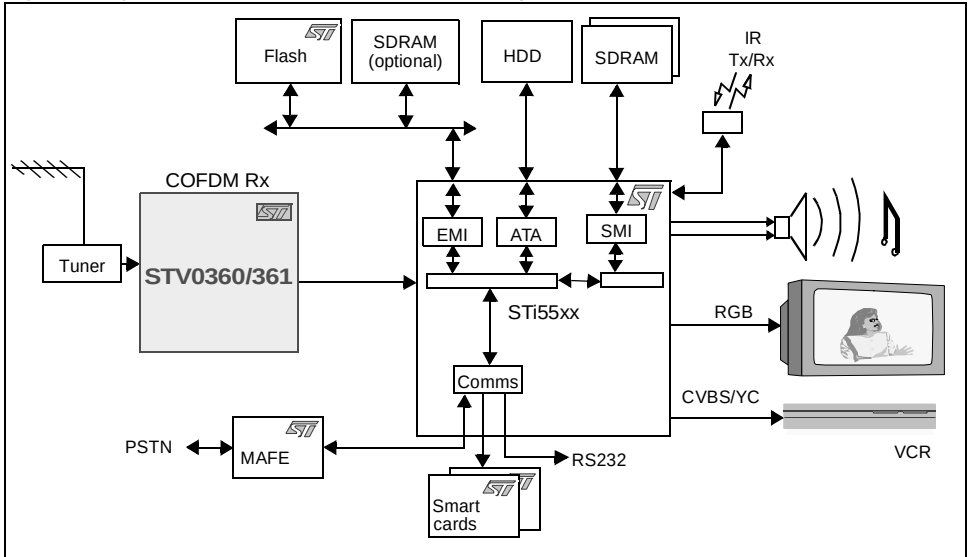
STMicroelectronics complements the world leading range of MPEG-2 decoders with a range of COFDM demodulators for digital terrestrial applications.

The STV0360 and STV0361 demodulators are high performance COFDM (Coded Orthogonal Frequency Division Multiplex) demodulators with built in A/D converters. They perform all the demodulation functions to extract the MPEG-2 transport stream from the tuner input.

Figure 1. Package/ 64-pin TQFP



Figure 2. High definition satellite or terrestrial set-top box



FEATURES

- DVB-T (ETS 300 744), NORDIG II and NORDIG Unified 1.0.1 compliant¹
- Inputs for direct IF, eliminating the need for a down-converter in the tuner
- Adaptative channel correction in both time and frequency, providing excellent performance, event in the presence of noise or significant Doppler shift.
- Dual Automatic Gain Controller (AGC) to seamlessly interface with all tuners characteristics
- Support for 2K/8K carrier detection modes
- PGA (Programmable Gain Amplifier) increasing flexibility to enhance tuner power matching
- Additional A/D converter to directly monitor the input level of the new generation of tuners
- Small 64-pin TQFP package.

1. STV0361 only

PART NUMBERING

Table 1. Order Codes

Part Number	Description
STV0360	Single chip COFDM demodulator
STV0360-Eval	STV0360 evaluation board
STV0361	Single chip COFDM demodulator
STV0361-Eval	STV0361 evaluation board

REVISION HISTORY

Table 2. Revision History

Date	Revision	Description of Changes
October-2004	1	First issue

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