

## STB0899

### FEATURES

- DVB-Q2 demodulator and decoder
  - QPSK, 8PSK, 4 + 12 APSK
  - Hierarchical 8PSK enhanced processor
  - DVB-S2 pilot processing
  - LDPC and BCH decoding
  - Supports all DVB-S2 bit rates
  - DVB-S2 framing
- Legacy support for DVB-S and DIRECTV® QPSK modes
- Digital carrier and timing recovery loops
- Compatible with direct conversion tuners
  - Dual 8-bit analogue conversion
  - Dual  $\Sigma\Delta$  digital split AGC RF/BB
  - Wide range carrier tracking loop
  - Flexible clock generation
- Transport decoder
  - Compliant with DVB common interface
  - 12-bit parallel and 7-bit serial interface
- DiSEqC 2.0 22 kHz to 100 kHz interface
- TQFPF 100 exposed pad package

### PART NUMBERING

Table 1. Order codes

| Part Number | Description        |
|-------------|--------------------|
| STB0899     | DVB-S2 demodulator |
| EVALDVBS2   | Evaluation board   |

### REVISION HISTORY

Table 2. Revision history

| Date          | Revision | Description of changes |
|---------------|----------|------------------------|
| December-2004 | 1        | First issue            |

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