

STEVAL-CBL003V1

LNB power supply demonstration board based on the LNBH23

Data Brief

Features

- Integrated DC-DC converter
- Single input supply voltage: from 8 V to 15 V
- I²C bus interface for the IC control and diagnostics
- Integrated 22 kHz tone generator, factory trimmed in accordance with the standards that can be controlled by the DSQIN pin or I²C bus
- User-friendly graphical interface ("LNBxxx control suite" software included in the kit)

Description

This demonstration board implements a DC-DC converter based on the LNBH23 device. It is used to power LNBs inside dish antennas to receive satellite TV signals.

The LNBH23 is an integrated solution for supplying/interfacing satellite LNB modules in accordance with international standards

This simple solution provides good performance at low cost using a low external component count.

The LNBH23 demonstration board includes an I^2C^{TM} bus interface and the internal 22 kHz tone generator which is factory trimmed and can be controlled by the DSQIN pin (TTL compatible. This allows immediate DiSEqCTM data encoding.

Thanks to a fully integrated step-up DC-DC converter, it functions with a single input voltage supply source ranging from 8 V to 15 V.



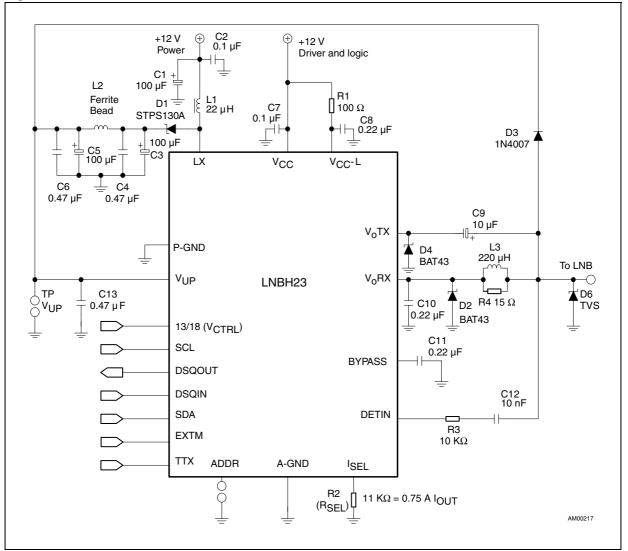
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September 2008

For further information contact your local STMicroelectronics sales office.

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1 Block diagram







2 Revision history

Table 1. Document revision history

Date	Revision	Changes
17-Sep-2008	1	Initial release.



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