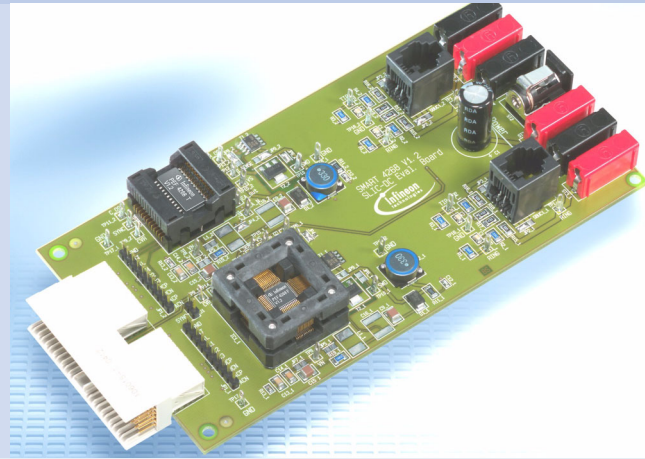


SMART 4268

SLIC-DC Evaluation Package



The SLIC-DC Evaluation Board SMART 4268 V1.2 serves as an evaluation and demonstration platform for the new SLIC device, SLIC-DC PEF 4268 with Integrated DC/DC Converter.

SLIC-DC PEF 4268 is offered in two packages and SMART 4268 supports both types with on-board sockets for each package.

SMART 4268 is designed as a two channel add-on board for Infineon's VINETIC® and DuSLIC® evaluation boards.

As a part of Infineon's SMART Reference Design System, the SMART 4268 is supported by a powerful software tool that gives designers an advanced, ready-to-go platform, for the evaluation and demonstration of a wide range of customer specific POTS applications.

Applications

- CPE equipment
- PBX applications

Hardware Features

- Designed to be directly connected to VINETIC or DuSLIC evaluation board
- On-board sockets for both package types
- Test pins provided for all important signal lines
- Banana plugs and western jacks (RJ-11) for each telephone line
- 12 V plug-in DC power supply (included with the Evaluation board)
- Banana plugs for external laboratory power supply
- Generation of all needed SLIC power supply voltages on-board
- AC and DC performance
- measurement equipment can be easily connected as well as telephone sets.
- Different mounting options at the DC/DC converter provide component optimization for user specified applications.

Software Features

- Uses WinEASY-based control software
- Graphical User Interface

Additional Tools

- VINETIC Evaluation package EASY 334: Q67230-H1334
- DuSLIC Evaluation Package SMART 3265 (no SMART 2000 included): Q67220-H1188
- DuSLIC Evaluation Package EASY 3265 (incl. SMART 2000): Q67220-H1230.

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Communications



Never stop thinking.

Hardware Description

The SLIC-DC Evaluation Board SMART 4268 V1.2 can be connected to the VINETIC Evaluation Board EASY 334 or the DuSLIC Evaluation Board SMART 3265 using the on-board 110-pin connector.

A plug-in DC power supply of 12 V is used to power the board. All necessary POTS supply voltages are generated by the on-chip buck-boost DC/DC converter together with a few external components. SMART 4268 is equipped with a MOSFET and a bipolar transistor as the switching transistor, so both components can be evaluated.

Software Description

The board is controlled by the WinEASY/VINETICON software or by the DuSLICON software.

Board operation is based on a Graphical User Interface (GUI). Users can intuitively select functionality without getting into bit and register settings, making the SLIC-DC package a very easy to use tool. The board's easily accessed functionality satisfies the requirements of both beginner and advanced users.

Ordering Information

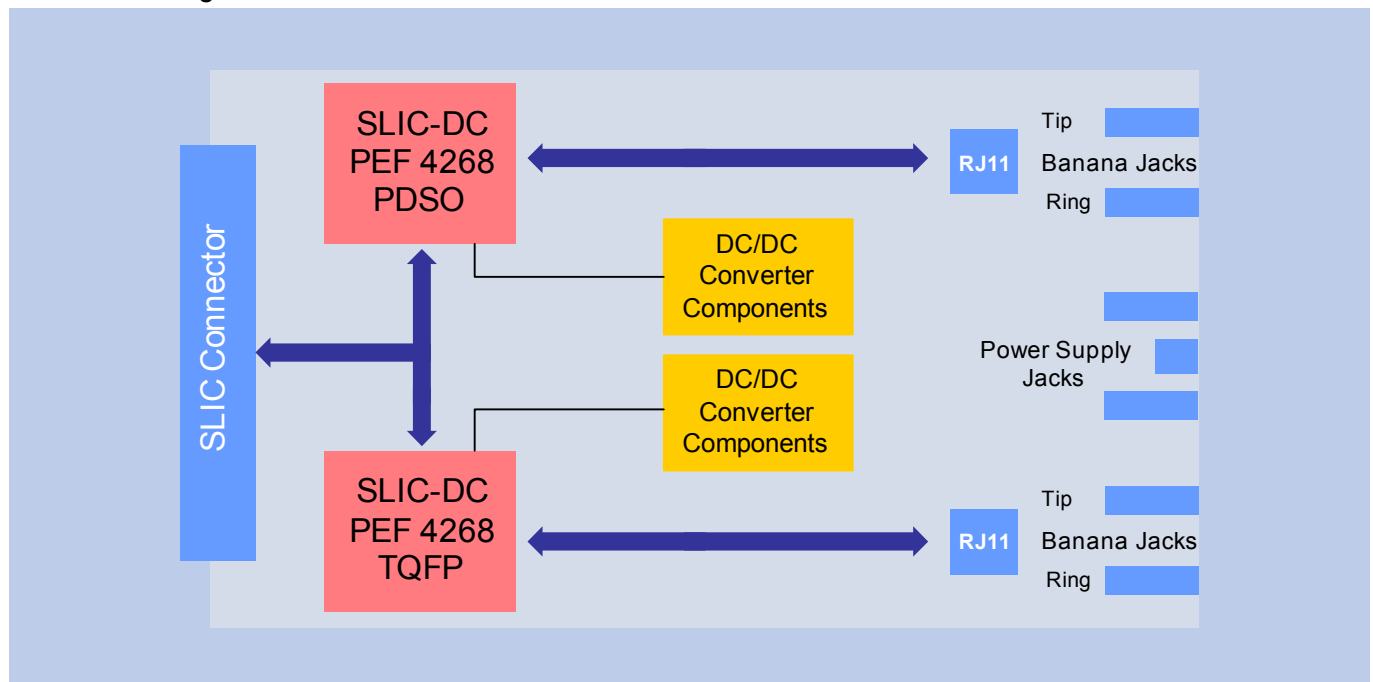
ICs

Sales Code	Description	Package
PEF4268T	SLIC-DC Subscriber Line Interface Circuit with Integrated DC/DC Converter	P-DSO-24-8
PEF4268F	SLIC-DC Subscriber Line Interface Circuit with Integrated DC/DC Converter	P-TQFP-48-1

Design Tool

Sales Code	Description	Package
SMART4268	SLIC-DC Evaluation Board SMART 4268: Ordering number: Q67230-H1752	SMART 4268 Evaluation Board, including 12 V plug-in DC power supply and documentation.

Block Diagram of SLIC-DC Evaluation Board SMART 4268 V1.2



How to reach us:

<http://www.infineon.com>

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We hereby disclaim any and all warranties, including but not limited to warranties of non-infringement, regarding circuits, descriptions and charts stated herein.

Information

For further information on technology, delivery terms and conditions and prices please contact your nearest Infineon Technologies Office.

Warnings

Due to technical requirements components may contain dangerous substances. For information on the types in question please contact your nearest Infineon Technologies Office.

Infineon Technologies Components may only be used in life-support devices or systems with the express written approval of Infineon Technologies, if a failure of such components can reasonably be expected to cause the failure of that life-support device or system, or to affect the safety or effectiveness of that device or system. Life support devices or systems are intended to be implanted in the human body, or to support and/or maintain and sustain and/or protect human life. If they fail, it is reasonable to assume that the health of the user or other persons may be endangered.

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