



Description:

Evaluation Board for ASLx500ySHN and ASLx41ySHN - Multichannel LED driver system

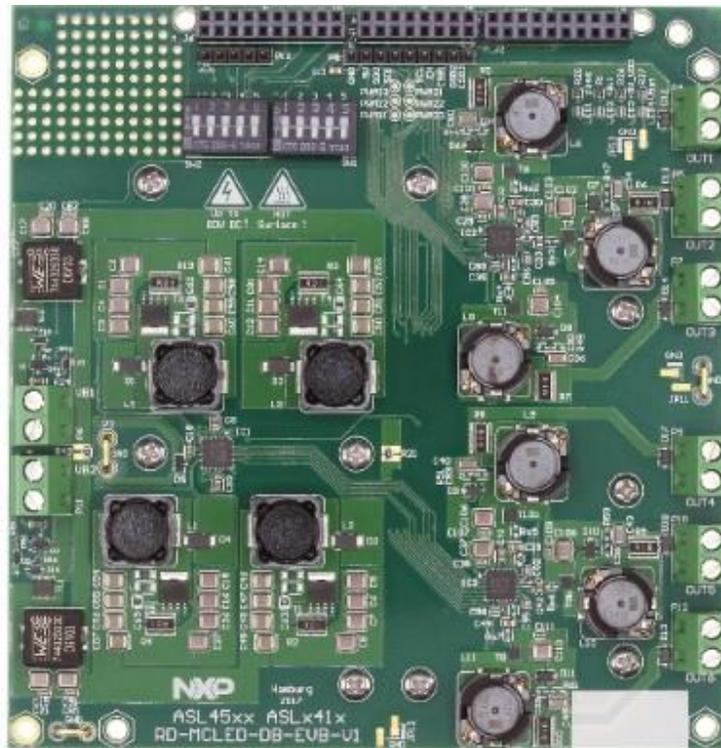
Part Number: ASL45XASLX41

Overview

The ASLx500SHN and ASLx41xSHN Evaluation Board (EVB) features the ASL4500SHN, a highly integrated and flexible four-phase DC-to-DC boost converter IC and two ASL3416SHN, a three-channel buck mode LED driver IC delivering constant average DC current. The kit is designed to drive six LED strings with 150 mA to 1.6 A and 2 V to 60 V LED string voltage. In a default application a microprocessor unit (MCU) controls the devices through a serial peripheral interface (SPI).

Features

- Control of ASL4500SHN boost convertors
- Control of two ASL3416SHN buck convertors
- Option to control any NXP ASL boost or buck convertor
- Interface connector to the S32K144EVB
- Status LEDs to report the status of the connected supplies
- Connectors for 2 input voltages and 6 LED outputs



Kit Contains

Only the ASL45XASLX41 board

For operation of the ASL45XASLX41 KIT, an S32K board is recommended