

Features

- ▶ Operating voltage range 5.5V to 30V
- ▶ Provides 4 HS-CAN physical interfaces
- ▶ Compliant with ISO 11898-2 and ISO 11898-5
- ▶ Supports local and remote wake-up
- ▶ Supports low-power modes like sleep and stand-by
- ▶ Sleep current consumption typ. 30µA with all wake-up sources enabled
- ▶ SPI-compatible interface for configuration and diagnosis
- ▶ Three independent voltage monitors
- ▶ Fault monitor configurable for each branch

Applications

- ▶ Body domain controller
- ▶ Gateways

General Description

The QuadCAN device implements 4 HS-CAN physical layer interfaces with configurable wake-up capability. Each transceiver is overtemperature protected.

Mode control and diagnosis are available via SPI compatible interface. Wake-up and error conditions can be signalled using configurable interrupt.

Wake-up source information is available by SPI.

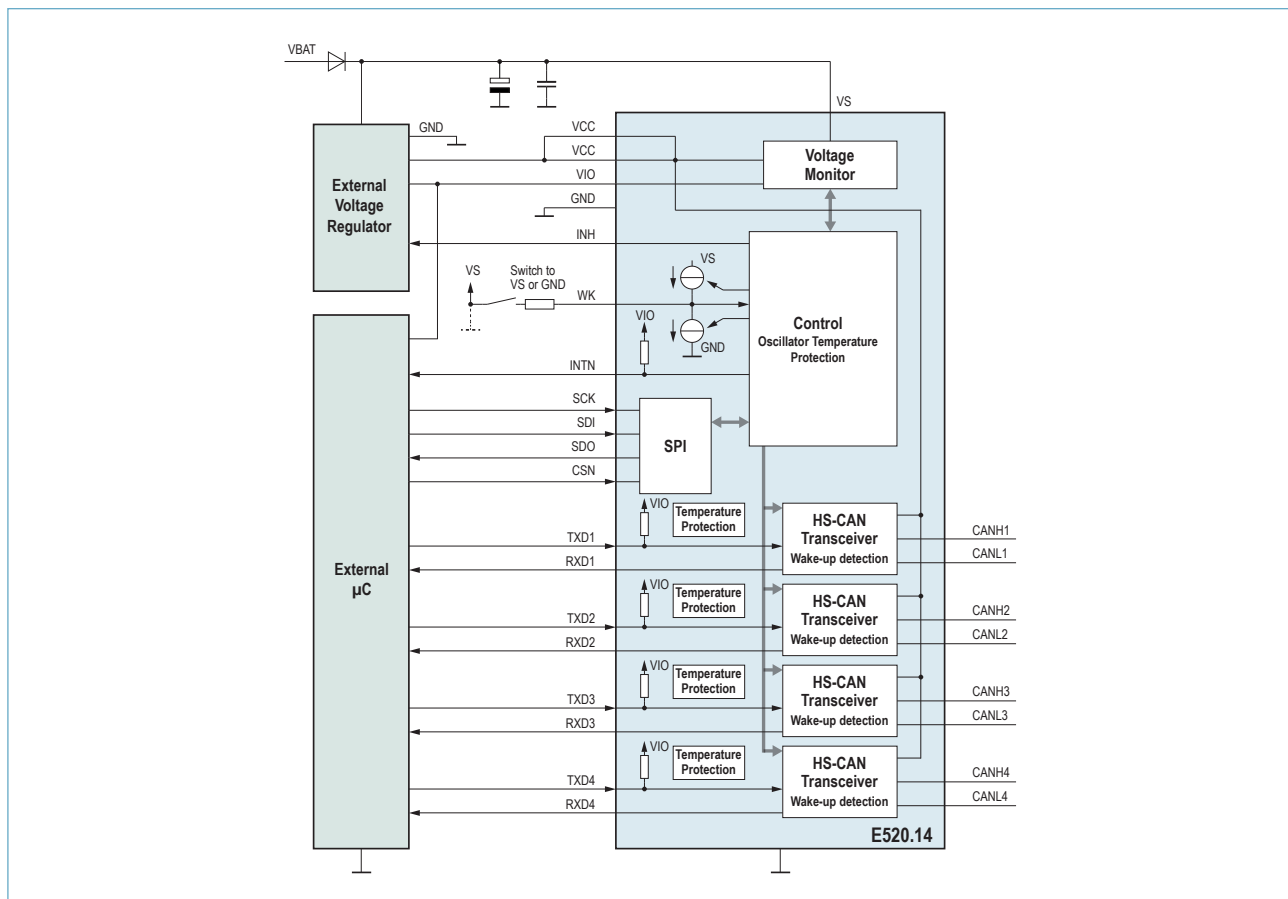
A high voltage inhibit output pin is available to enable an external voltage regulator.

The interface supply voltage VIO can be chosen within range of 3V up to 5.25V.

Ordering Information

Product ID	Temp Range	Package
E520.14	-40°C to +125°C	QFN32L5

Typical Application Circuit



This document contains information on a new product. Elmos Semiconductor AG reserves the right to change specifications and information herein without notice.

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