

## Features

- ▶ Transceiver compliant with LIN 2.1 and SAE-J2602
- ▶ Operating voltage  $V_S = 5V$  to  $28V$
- ▶ Limited operating range  $V_S = 3.8V$  up to  $40V$
- ▶ Typ.  $55\mu A$  standby current consumption
- ▶ Typ.  $10\mu A$  sleep current consumption
- ▶ Very low BUS leakage current
- ▶ Linear low-drop voltage regulator
  - $V_{DD} = 3.3V$  (E520.34) or  $5V$  (E520.35)
  - Accuracy  $\pm 2\%$  in active mode,  $\pm 5\%$  in standby mode
  - Peripheral Supply up to  $60mA$  (limited to  $140mA$ )
- ▶ Configurable window watchdog
- ▶ TXD permanent dominant timeout
- ▶ Fast flash mode
- ▶ VBAT monitoring by 6:1 integrated voltage divider
- ▶ BUS pin ESD-protected  $> 8 kV$  IEC-61000-4-2

## Applications

- ▶ Smart applications connected to the LIN bus

## General Description

The LIN-SBC with voltage regulator provides a LIN transceiver, the peripheral supply, reset generation for the  $\mu C$  and a watchdog.

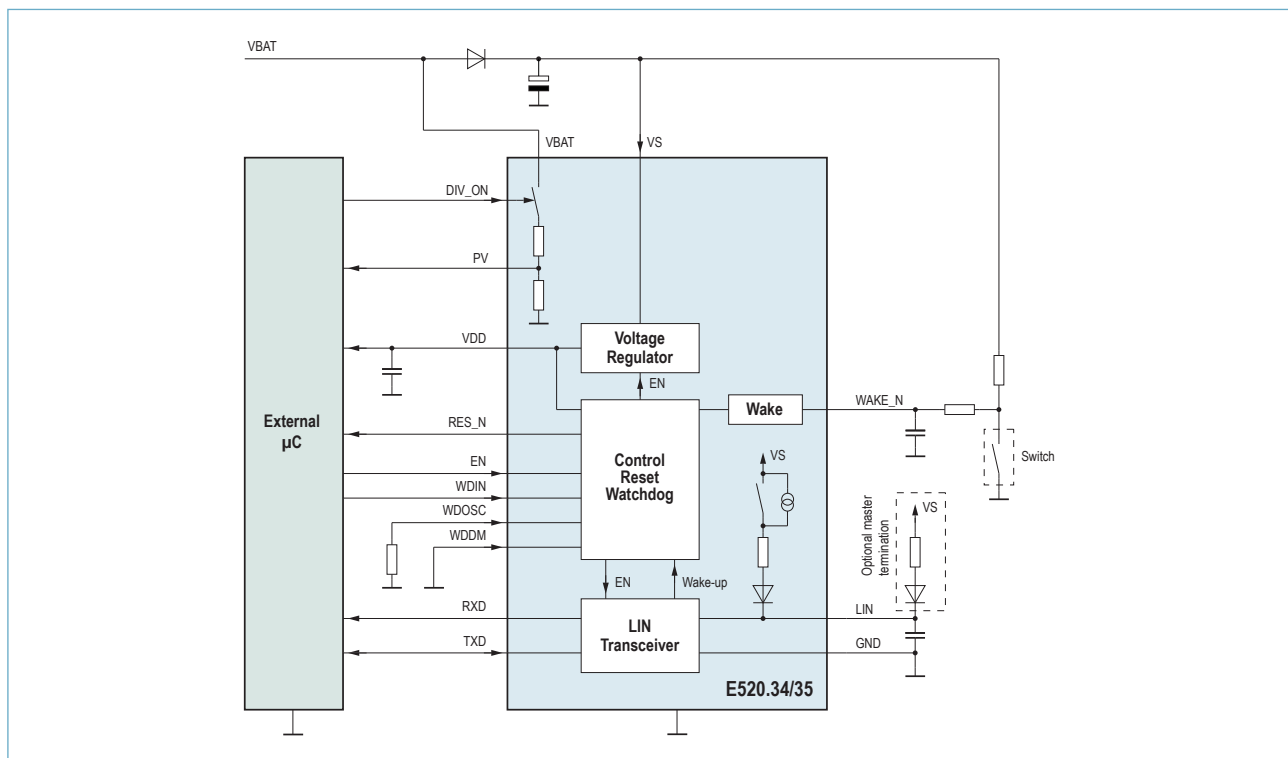
The LIN-SBC can be switched into standby- and sleep-mode which provide very low quiescent current consumption.

A VBAT voltage divider provides a 6:1 reduced VBAT proportional voltage for VBAT monitoring by the external  $\mu C$ .

The device is capable to detect local and remote wake-up events to enable the voltage regulator. Wake-up can be performed through a high voltage capable WAKE\_N input the LIN bus and  $V_S$  pin.

## Ordering Information

Product ID	Temp. Range	Package
E520.34/35	$-40^{\circ}C$ to $+125^{\circ}C$	QFN20L5



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