



# New Products Introduction

June 2018

## Linear Voltage Regulators for Automotive Applications

TLS835D2ELVSE, TLS835B2ELVSE, TLS835B2ELV, TLS820B2ELVSE

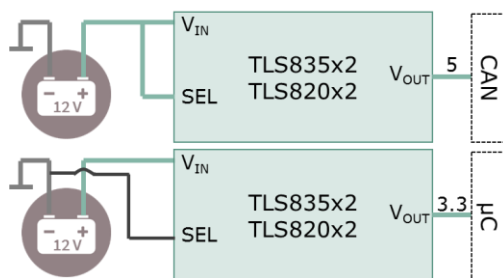
With current consumption of typically 20  $\mu$ A the latest TLS820B2, TLS835B2 & TLS835D2 products are perfectly suited for use as supplies in BCM and HVAC applications and belong to the OPTIREG™ Linear product family. The ultra-low quiescent current helps our customers to meet the requirements given by OEMs.



### Features

- > Enable and reset
- > Output voltage options: ADJ or Selectable (3.3 V or 5 V)
- > Maximum output current:
  - > TLS835x2: 350 mA
  - > TLS820x2: 200 mA
- > Current consumption: 20  $\mu$ A typically
- > Drop voltage: 100 mV @ 100mA
- > Available in SSOP-14 package

### Selectable Output Feature



### Benefits

- > Excellent transient robustness: Smaller input capacitors hence lower input filtering costs
- > Functional input voltage range starts at 3 V and very low dropout voltage: suitable for cranking applications
- > Stable with 1  $\mu$ F output capacitor: PCB space and cost savings
- > Ultra-low quiescent current and current consumption: Power saving for battery

### Target applications

- > Applications with direct battery connection
- > Automotive general ECUs
- > Dashboard, cluster, Infotainment
- > Body control modules
- > HVAC

### Application schematic

