

The TLE 6210/11G is an system-IC consisting of a 5 V voltage regulator with 800 mA current capability, different relay driver outputs and supervision logic. The design is based on Infineon's Smart Power Technology (SPT) which allows bipolar, CMOS and power DMOS devices on the same monolithic circuit. The supervision logic watches the input voltage and the regulator output voltage both for overvoltage and undervoltage. In addition two window watchdogs supervise the correct operation of 2 independent watchdog signals, e.g. from two Microcontrollers. The TLE 6210/TLE 6211 includes 3 open drain outputs. Two drivers outputs are intended for (valve and motor) relays, while the third driver output is designed for a lamp.



Power P-DSO-20-12

Applications

- System-IC especially for the severe conditions of ABS/ESP applications in an automotive environment
- Automotive and industrial applications where voltage regulator/supervision/driver are needed

Features

- 5 V, 800 mA linear regulator
- Undervoltage/overvoltage logOUT
- Undervoltage/overvoltage reset
- Digital watchdog supervision for two μC
- (motor) relay driver
- (valve) relay driver

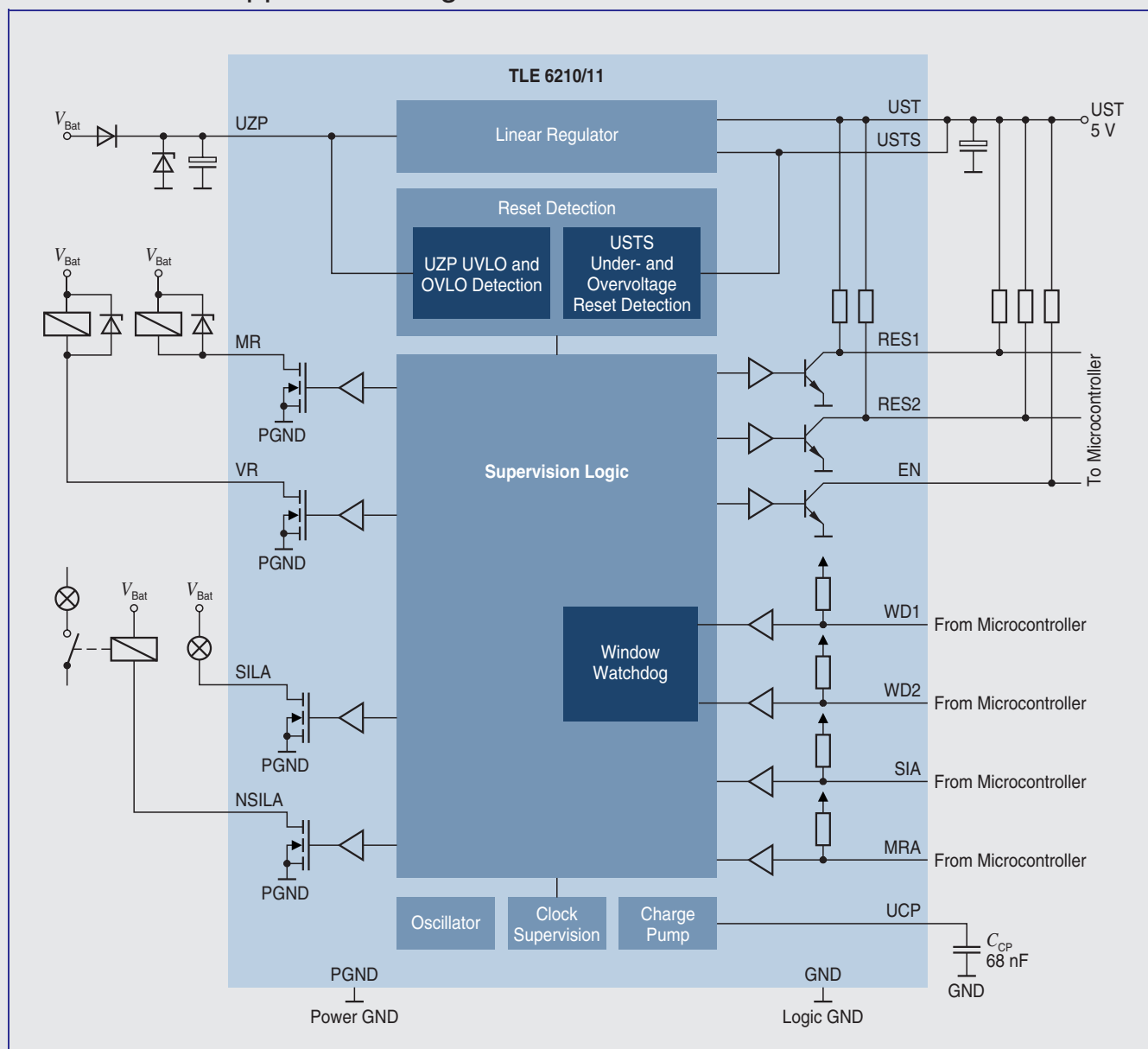
- Inverted or non inverted lamp relay driver
- Enable output
- Overtemperature and overcurrent protection
- P-DSO-20-12 (Power-SO) package or bare die

TLE 6210/11G

System-IC for Automotive and Industrial Applications
Voltage Regulator/Supervision/Lamp, Motor and Valve Drivers



TLE 6210/11G Application Diagram



Type	Sales Code	Application	Features	Package
TLE 6210/11G	Q67007A9614/15	ABS/ESP	Voltage regulator (5 V, 800 mA), Watchdog Supervision, motor, valve and lamp drivers	P-DSO-20-12
TLE 6710Q	Q67007A9569	Airbag	Step up (30 V) and step down (5 V) converter, 4 squib and 2 lamp drivers, SPI	P-MQFP-64-11

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