

## Power Management IC 6V to 18V Automotive 36-Pin PowerSSO Tube

**Manufacturer:** [STMicroelectronics, Inc](#)

**Package/Case:** SSOP36

**Product Type:** Power Management ICs

**Lifecycle:** NRND



Images are for reference only

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### General Description

The L9952GXP is a Power Management System IC containing two low drop regulators with advanced contact monitoring and additional peripheral functions. The integrated standard serial peripheral interface (SPI) controls all L9952GXP operation modes and provides driver diagnostic functions.

### Key Features

- 1 High side driver Out\_HS (  $R_{DSon,typ} = 1$  )
- 4 High side drivers for e.g. LED or HALL (  $R_{DSon,typ} = 7$  )
- Outputs are short circuit protected
- 2 Relay drivers (  $R_{DSon,typ} = 2$  )
- Temperature warning and thermal shutdown
- 2 Op amp's for current sensing in GND return lines
- 24 bit SPI interface for mode control and diagnostic
- LIN 2.1 compliant (SAEJ2602 compatible) transceiver
- Two 5V low-drop voltage regulators (250mA, 100mA continuous mode)
- Window watchdog and fail-safe output
- Low stand-by current: VBAT stby, 7 $\mu$ A; ;V1 stby, 45 $\mu$ A, (75 $\mu$ A in cycl. sense)
- Wake-up logic with cyclic contact monitoring
- Output drivers
- Interrupt output



## Recommended For You

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### L9651

STMicroelectronics, Inc  
HSOP20

### L9678PTR

STMicroelectronics, Inc  
LQFP-64

### L9904

STMicroelectronics, Inc  
SOP20

### L9822EPD

STMicroelectronics, Inc  
HSOP20

### L9951

STMicroelectronics, Inc  
HSSOP36

### L9680TR

STMicroelectronics, Inc  
LQFP100

### L9949

STMicroelectronics, Inc  
HSOP20

### L9950

STMicroelectronics, Inc  
HSSOP36

### L9848

STMicroelectronics, Inc  
SOP28

### L9950XP

STMicroelectronics, Inc  
SSOP36

### L9733XP

STMicroelectronics, Inc  
SSOP28

### L9958SBTR

STMicroelectronics, Inc  
SSOP16

### L9651-TR

STMicroelectronics, Inc  
HSOP20

### L9374IRLF

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SSOP36

### L9952GXPTF

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