

## DC Motor Driver Automotive 36-Pin PowerSO Tube

<b>Manufacturer:</b>	<u>STMicroelectronics, Inc</u>
<b>Package/Case:</b>	HSSOP36
<b>Product Type:</b>	Driver ICs
<b>Lifecycle:</b>	NRND



Images are for reference only

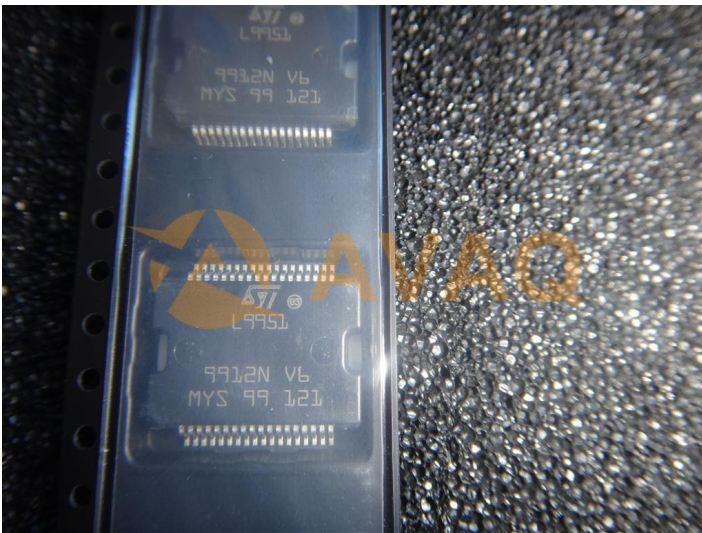
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## General Description

The L9951 is a microcontroller driven multifunctional rear door actuator driver for automotive applications. Up to two DC motors and two grounded resistive loads can be driven with three half bridges and two highside drivers. The integrated standard serial peripheral interface (SPI) controls all operation modes (forward, reverse, brake and high impedance). All diagnostic informations are available via SPI.

## Key Features

- Overload diagnostic for all outputs
- Open load diagnostic for all outputs
- Charge Pump output for reverse polarity protection
- Programmable PWM control of all outputs
- Current monitor output for all highside drivers
- All outputs short circuit protected
- One half bridge for 7.4A load (ron= 150mΩ)
- Two highside drivers for 1.25A load (ron= 800 mΩ)
- Two half bridges for 5A load (ron= 200mΩ)
- Very low current consumption in standby mode (IS)
- All outputs over temperature protected
- Programmable Softstart function to drive loads with higher inrush currents (i.e.current >7.4A, >5A, >1.25A)



## Recommended For You

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### L9651

STMicroelectronics, Inc  
HSOP20

### L9678PTR

STMicroelectronics, Inc  
LQFP-64

### L9904

STMicroelectronics, Inc  
SOP20

### L9822EPD

STMicroelectronics, Inc  
HSOP20

### L9680TR

STMicroelectronics, Inc  
LQFP100

### L9949

STMicroelectronics, Inc  
HSOP20

### L9950

STMicroelectronics, Inc  
HSSOP36

### L9848

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SOP28

### L9950XP

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SSOP36

### L9952GXP

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### L9733XP

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SSOP28

### L9958SBTR

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SSOP16

### L9651-TR

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### L9374TRLF

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### L9952GXPTR

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