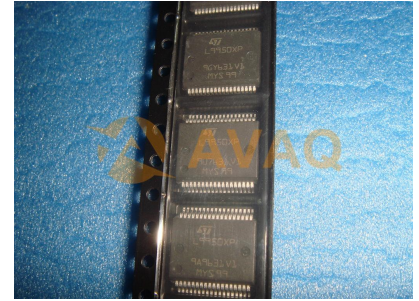


Dual Half Bridge Motor Driver Automotive 36-Pin PowerSO Tube



Images are for reference only

[Inquiry](#)

Manufacturer: [STMicroelectronics, Inc](#)

Package/Case: SSOP36

Product Type: Driver ICs

Lifecycle: NRND

General Description

The L9950 and L9950XP are microcontroller driven multifunctional door actuator driver for automotive applications. Up to five DC motors and five grounded resistive loads can be driven with six half bridges and five 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

One full bridge for 6A load (Ron=150 mΩ)

Two half bridges for 3A load (Ron=300 mΩ)

Two half bridges for 1.5A load (Ron=800 mΩ)

One highside driver for 6A load (Ron=100 mΩ)

Four highside drivers for 1.5 A load (Ron=800 mΩ)

Programmable softstart function to drive loads with higher inrush currents (i.e. current >6 A, >3 A, >1.5 A)

Very low current consumption in standby mode (IS

All outputs short circuit protected

Current monitor output for 300 mΩ, 150 mΩ and 100 m highside drivers

All outputs over temperature protected

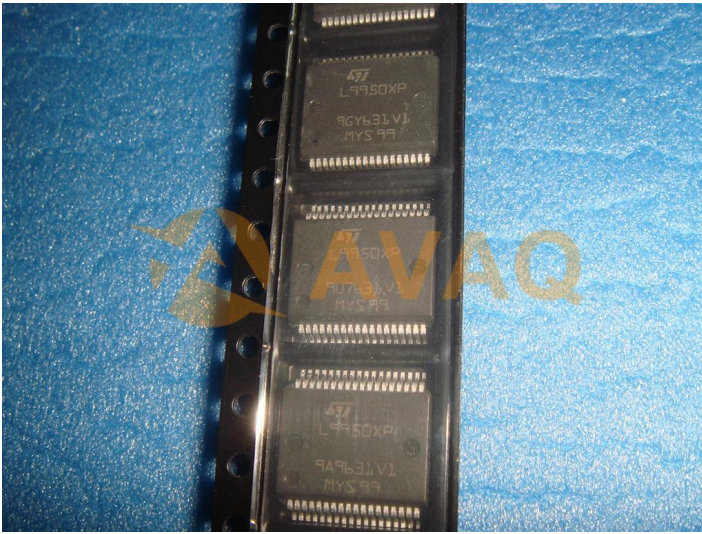
Open load diagnostic for all outputs

Overload diagnostic for all outputs

Separated half bridges for door lock motor

PWM control of all outputs

Charge pump output for reverse polarity protection



Recommended For You

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

L9952GXP

STMicroelectronics, Inc

SSOP36

L9733XP

STMicroelectronics, Inc

SSOP28

L9958SBTR

STMicroelectronics, Inc

SSOP16

L9651-TR

STMicroelectronics, Inc

HSOP20

L9374IRLF

STMicroelectronics, Inc

SSOP36

L9952GXPIR

STMicroelectronics, Inc

SSOP36