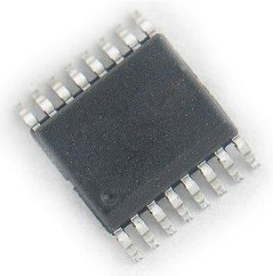


**Current Limit SW 1-IN 6-OUT to 1.4A Automotive 16-Pin
PowerSSO EP Tube**

Images are for reference only

Manufacturer: [STMicroelectronics, Inc](#)**Package/Case:** SSOP16**Product Type:** Switches**Lifecycle:** NRND[Inquiry](#)**General Description**

The L99MC6GJ IC is a highly flexible monolithic medium current output driver that incorporates 3 dedicated low-side outputs (channels 4 to 6) and 3 independently self configuring outputs (channels 1 to 3) that can be used as either low-side or high-side drivers in any combination. The L99MC6GJ can control inductive loads, incandescent bulbs or LEDs. The L99MC6GJ can be used in a half bridge configuration with crosscurrent protection. The channel 2 can be controlled directly via the IN/PWM pin for PWM applications. The IN/PWM signal can be applied to any other output. The integrated 16-bit standard serial peripheral interface (SPI) controls all outputs and provides diagnostic information: normal operation, open-load in off-state, overcurrent, temperature warning, overtemperature.

Key Features

AEC-Q100 qualified

3 independently self configuring high-/low-side channels

3 low-side channels

RON = 0.7 Ω (typ) at Tj = 25 °C

Current limit of each output at min. 0.6 A

PWM direct mode

Bulb mode with recovery mode

LED mode with slew rate control

Bridge mode with crosscurrent protection

SPI interface for data communication

Temperature warning

All outputs overtemperature protected

All outputs short-circuit protected

Configurable open-load detection in off mode

VCCsupply voltage 3.0 V to 5.25 V

Very low current consumption in standby mode 5 μA (typ)

Internal clamp diodes

HS switches operate down to 3 V crank voltage

Recommended For You

L99MC6

STMicroelectronics, Inc

SSOP16

ACS108-6SA

STMicroelectronics, Inc

TO-92-3(StraightLead

T410-600B-TR

STMicroelectronics, Inc

TO-252

ACS120-7ST

STMicroelectronics, Inc

TO-220

T410-600T

STMicroelectronics, Inc

TO-220

ACS302-5T3

STMicroelectronics, Inc

SO-20

BTB16-800CWRG

STMicroelectronics, Inc

TO-220

BTA16-800BWRG

STMicroelectronics, Inc

TO-220

BTB24-800BRG

STMicroelectronics, Inc

TO-220AB

TN1215-800G-TR

STMicroelectronics, Inc

TO-263

T435-800B-TR

STMicroelectronics, Inc

TO-252

ACS102-6T1-TR

STMicroelectronics, Inc

SOP-8

BIA24-600CWRG

STMicroelectronics, Inc

TO-220

T1235-600G-TR

STMicroelectronics, Inc

TO-263

SMDB3

STMicroelectronics, Inc

SOT-23