

产品概览

NCV7547: 七沟道半桥 MOSFET 预驱动器，用于电机控制应用

欲看完整文档，请参阅数据表。

NCV7547 可编程七沟道半桥 MOSFET 预驱动器属于 FLEXMOS™ 汽车级产品系列，用于驱动逻辑电平 NMOS FET。该产品可通过串行 SPI 和兼容 CMOS 的并行输入组合控制。该预驱动器提供对于 MOSFET 的高级控制和保护。该器件和应用诊断数据通过 SPI 进行通信。

特性

- 7 Half-bridge Pre-drivers
- Integrated charge pump
- Open Load Protection
- Over Load Protection
- Programmable Slew Rate Control
- QFN Packaging

应用

- Seat Motor Actuators
- Door Lock Actuators
- Trunk Lift Actuators
- Sunroof Actuators
- Window Lift Actuators

优势

- Controls up to three motors in parallel or two motors independently
- N-Channel MOSFET can be used for high side stage and switch reverse battery protection
- Detection of unconnected loads
- External MOSFET and load protection
- Flexibility in controlling the MOSFET for switching loss and improved EMC Performance
- Small board footprint and good thermal performance

终端产品

- Brushed DC Motor Control for Automotive Market

器件电气规格

产品	Pricing (\$/Unit)	Compliance	Status	Power Switch	Number of Outputs	Topology	Isolation Type	V _{in} Max (V)	V _{CC} Max (V)	Drive Source /Sink Typ (mA)	Rise Time (ns)	Fall Time (ns)	t _p Max (ns)	Package Type
NCV7547MWTXG	3.6666	AEC Qualified PPAP Capable Pb-free Halide free	Active	MOSFET	14		Junction Isolation							QFNW-48

欲了解更多信息，请联系您当地的销售支援 www.onsemi.cn。

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