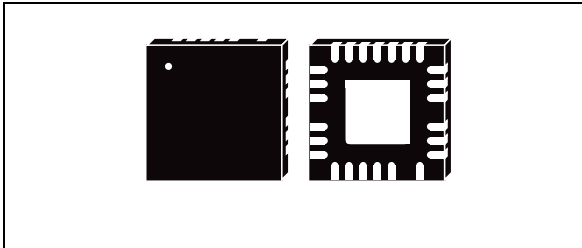


## High performance high voltage full bridge driver

Data brief



### Features

- 60 V full bridge driver for N-channel MOSFETs
- Adjustable dead time control
- 2 A sink/source current
- Operating frequency up to 1 MHz
- Enable input
- Programmable overcurrent protection
- VFQFPN, 4 x 4 mm package

### Applications

- High current high performance step down conversion

### Description

The STRG04 is a 60 V, high voltage, full bridge MOSFET driver IC intended to implement a control scheme specific to the primary side in VCOT based resonant converters. It provides four high current gate drive outputs, each capable of driving one or more N-channel power MOSFETs.

The device features programmable dead time control to optimize MOSFETs switching losses so optimizing the overall efficiency.

Two PWM inputs control the two half bridge sections independently. The EN pin, when low, forces all the gate drive to low regardless of the PWMs status implementing a HiZ.

Overcurrent protection is programmable and senses through common shunt resistance to be connected in series to the low side power MOSFETs.

The STRG04 is available in a VFQFPN, 4 x 4 mm package with an exposed pad.

**Table 1. Device summary**

Order code	Package	Packing
STRG04TR	VFQFPN	Tape and reel

## Revision history

**Table 2. Document revision history**

Date	Revision	Changes
03-Mar-2016	1	Initial release.

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