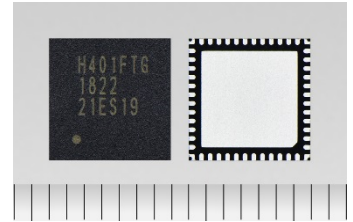


DC Brushed Motor Driver IC with an Advanced Function that Outputs a Flag Signal in Detecting Over Current

TB67H401FTG is a dual DC brushed motor driver IC equipped with an output function, which outputs a flag signal in detecting the over current. We have announced the launch and the mass production of this product for applications that need to monitor the motor driving state and feedback its result, such as industrial equipment including office equipment and ATMs and robotic cleaners. It supports the motor drive with a rating of 50V and 3.0A, and contributes to space saving.



Three Features

- The flag signal output function is implemented, outputting the result of the current limiter detection to the external device. It contributes to the reduction of the number of external components such as amplifiers and comparators.
- Single H-bridge mode supports the high load drive (large current drive).
- Dual H-bridge mode supports the dual motor drive (space saving/BOM cost reduction).

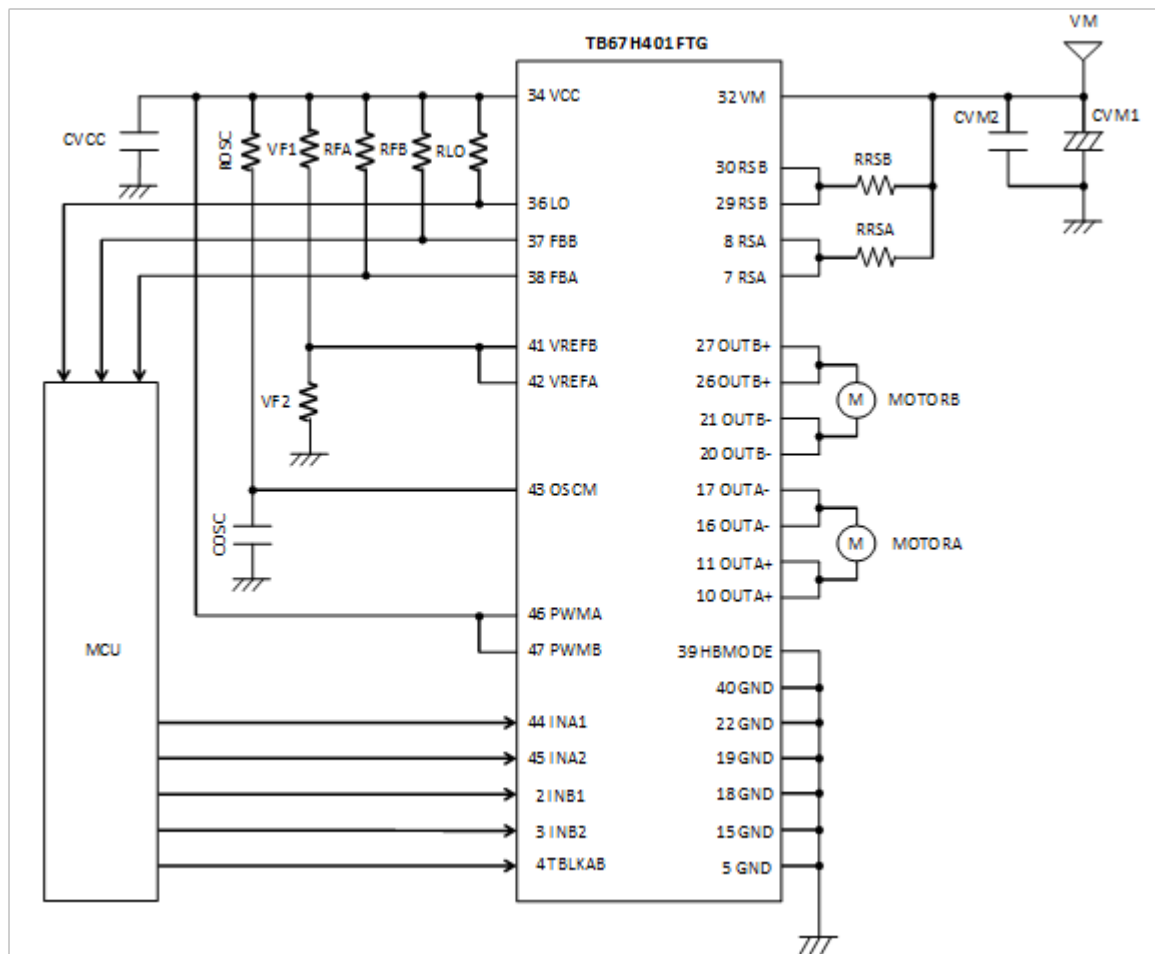
Applications

- Industrial equipment (office equipment, banking terminals such as ATMs, and factory automation equipment)
- Home appliances, robotic cleaners, etc.

Product Specifications

Item	Specifications
Control I/F	Parallel inputs
Absolute maximum ratings	50V, 6.0A (Single H-bridge mode) 50V, 3.0A (Dual H-bridge mode)
Package	QFN48 (Size: 7mm×7mm×0.9mm, pitch of pins: 0.5mm)
Other features	Built-in the flag signal output function that shows the result of the current limiter detection. Switches single H-bridge mode and dual H-bridge mode Built-in the current limiter function (constant current PWM control) Error detection flag output function (Thermal shutdown, over current protection, and power on reset) Supports the power-on sequence by the single power drive.
Mass production	Ready

Application Circuit Example



Application circuit example (Dual H-bridge mode)

Note: The application circuits shown in this document are provided for reference purposes only.

Thorough evaluation is required, especially at the mass production design stage.

Providing these application circuit examples does not grant any license for industrial property rights.

Before creating and producing designs and using, customers must also refer to and comply with the latest versions of all relevant information of this document and the instructions for the application that Product will be used with or for.

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