

# DATA SHEET

**2.7V-to-15, 700mA, Bipolar Stepper-Motor Driver with Integrated MOSFET QW6057**

REV.	DCN NO.	DATE	REVISION HISTORY	APPROVED BY	DATE
1.1		2016-10-24			

以上为部分内容, 如需完整资料, 请邮件联系: ✉ [robert.liu@sinceretekmicro.com](mailto:robert.liu@sinceretekmicro.com)  
 The information may not be complete. If you need documentation, please contact us.

**APPROVED DOCUMENT CHANGE NOTICE (DCN) ON FILE IN DOCUMENT CONTROL**

TITLE OF SPECIFICATION: <b style="color: blue;">Datasheet QW6507</b> 2.7V-to-15, 700mA, Bipolar Stepper-Motor Driver with Integrated MOSFET	SPECIFICATION NO.:
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**COMPANY PRIVATE**  
**DO NOT REPRODUCE FOR OUTSIDE USE WITHOUT WRITTEN PERMISSION**

## 2.7V-to-15, 700mA, Bipolar Stepper-Motor Driver with Integrated MOSFET QW6507

### 1. Description

The QW6507 is a bipolar stepper-motor driver with dual, built-in full-bridges consisting of Nchannel power MOSFETs.

It operates from a supply voltage range of 2.7V to 15V, and can deliver motor current up to 700mA per channel. The internal safety features include sinking and sourcing current limits implemented with external sensors, under-voltage lockout and thermal shutdown. An over-temperature output flag is available to indicate thermal shutdown.

The QW6507 is available in 16-pin, 5.0mm×6.4mm TSSOP package.

### 2. Features

- Wide 2.7V-to-15V Input Voltage Range
- Two Internal Full-Bridge Drivers
- Low MOSFET On Resistance (HS: 500mΩ;LS: 500 mΩ)
- Internal Charge Pump for the High-Side Driver
- Low Quiescent Current: 1.1mA
- Low Sleep Current: 1μA
- Thermal Shutdown and Under-Voltage Lockout Protection
- Over-Temperature Output Flag
- Thermally-Enhanced Surface-Mount Package)

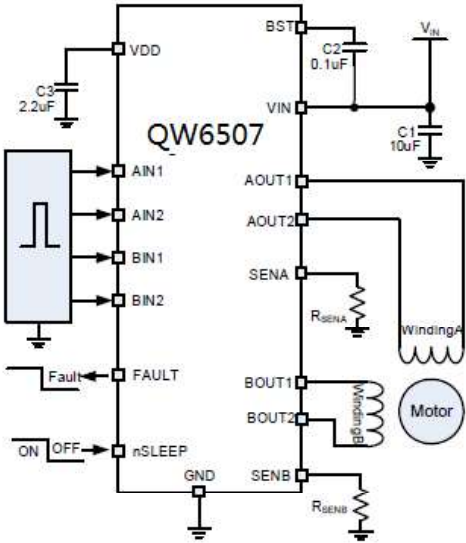
### 3. Application

- POS Printers
- Video Security Camera
- Digital Still Cameras
- Battery Powered Toys

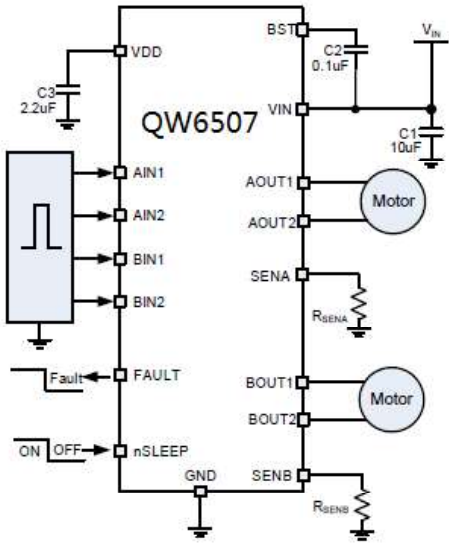
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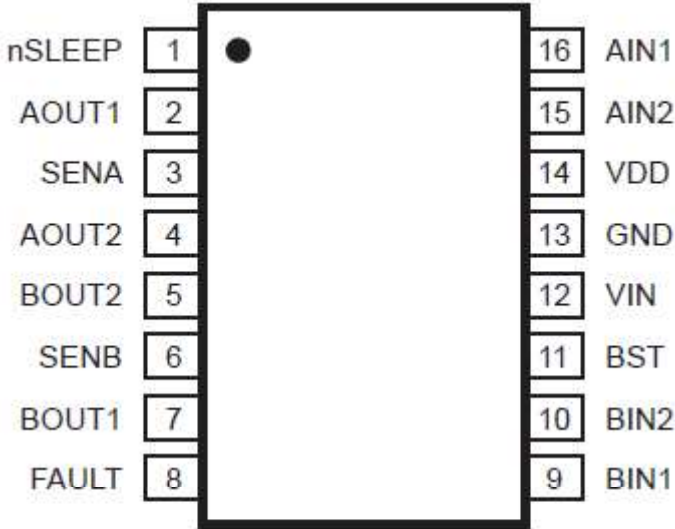


Stepper Motor Application



Dual DC Motor Application

### 4. Package of TSSOP-16



以上为部分内容, 如需完整资料, 请邮件联系: [✉ robert.liu@sinceretekmicro.com](mailto:robert.liu@sinceretekmicro.com)

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