

## 产品概览

### LV8741V: PWM 电流控制步进电机驱动器

欲看完整文档，请参阅数据表。

LV8741V 是一款 2 沟道 H 桥驱动集成电路，可以开关步进电机驱动器，能够进行微步驱动，支持四分之一步进励磁，还能开关有电刷电机驱动器的两个沟道，支持电机的正向、反向、制动和待机。适用于驱动办公设备和娱乐应用中使用的有电刷直流电机和步进电机。

#### 特性

- On resistance (upper side : 0.5Ω ; lower side : 0.5Ω ; total of upper and lower : 1.0Ω ; Ta = 25°C, IO = 1.5A)
- Excitation mode can be set to Full-step, Half-step full torque, Half-step or Quarter-step
- Motor current selectable in four steps
- Output short-circuit protection circuit (selectable from latch-type or auto reset-type) incorporated
- Thermal shutdown circuit and power supply monitor circuit incorporated
- CLK-IN Input
- Single-channel PWM current control stepper motor driver (selectable with DC motor driver channel 2) incorporated.
- BiCDMOS process IC
- Excitation step proceeds only by step signal input
- IO max = 1.5A

For more features, see the data sheet

#### 优势

- High Efficiency
- Various Step Adjustment Available
- Low Consumption
- Safety Design
- Thermal protection, Low voltage detection
- Easy Control for Micro-step Drive

#### 应用

- Stepper/Brush DC Motors
- Computing & Peripherals
- Industrial

#### 终端产品

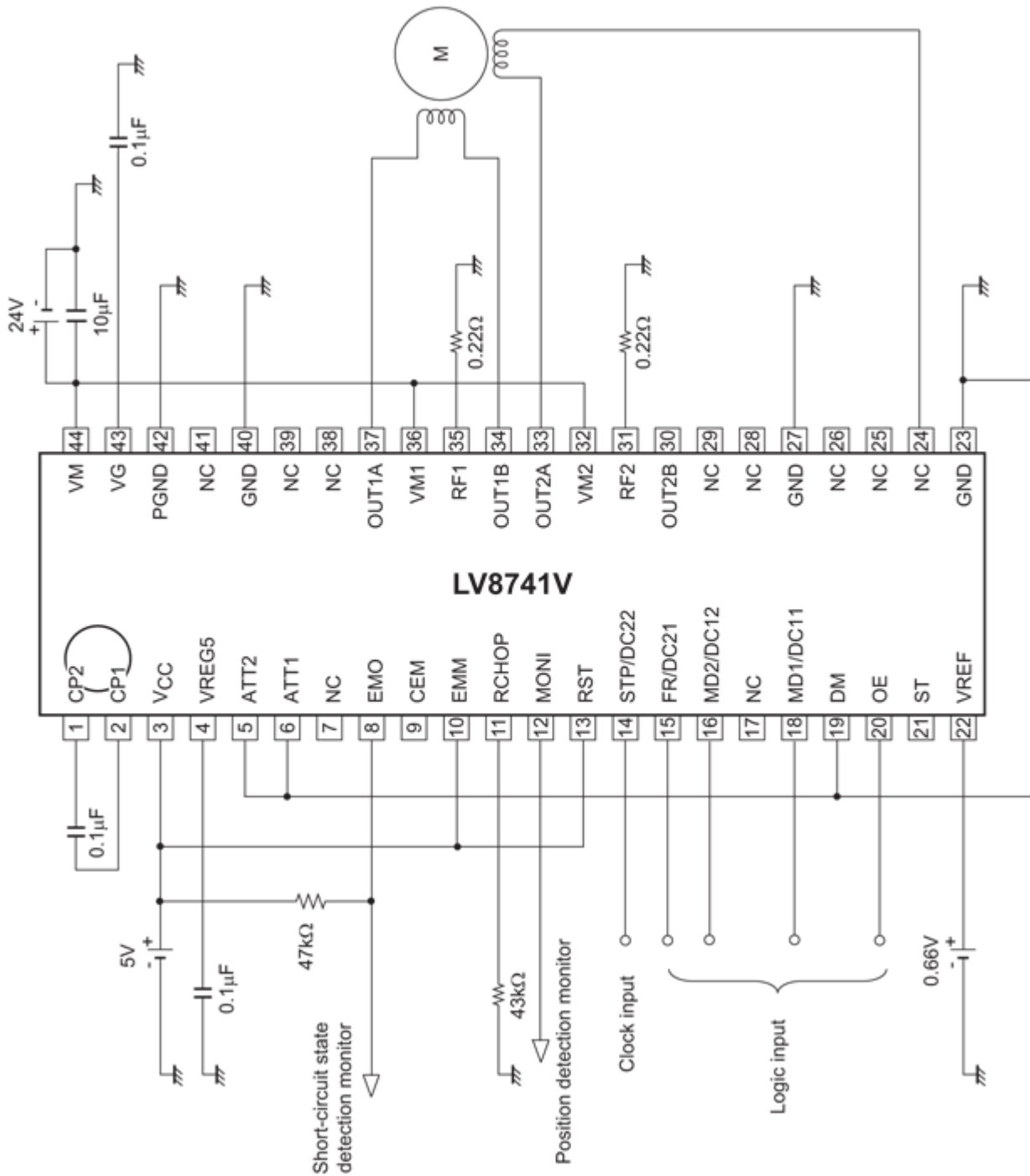
- Printers
- Flatbed Scanner
- Inkjet Printer
- Multi-Function Printer
- Document Scanner

### 器件电气规格

产品	Pricing (\$/Unit)	Compliance	Status	V <sub>M</sub> Min (V)	V <sub>M</sub> Max (V)	V <sub>CC</sub> Min (V)	V <sub>CC</sub> Max (V)	I <sub>O</sub> Max (A)	I <sub>O</sub> Peak Max (A)	Step Resolution	Control Type	Current Sense	Fault Detection	Package Type
LV8741V-TLM-E	1.6973	Pb-free non AEC-Q and PPAP	Active	9.5	35	2.7	5.5	1.5	1.75	½	Clock	External Resistor	Over-Current	SSOP-44K EP

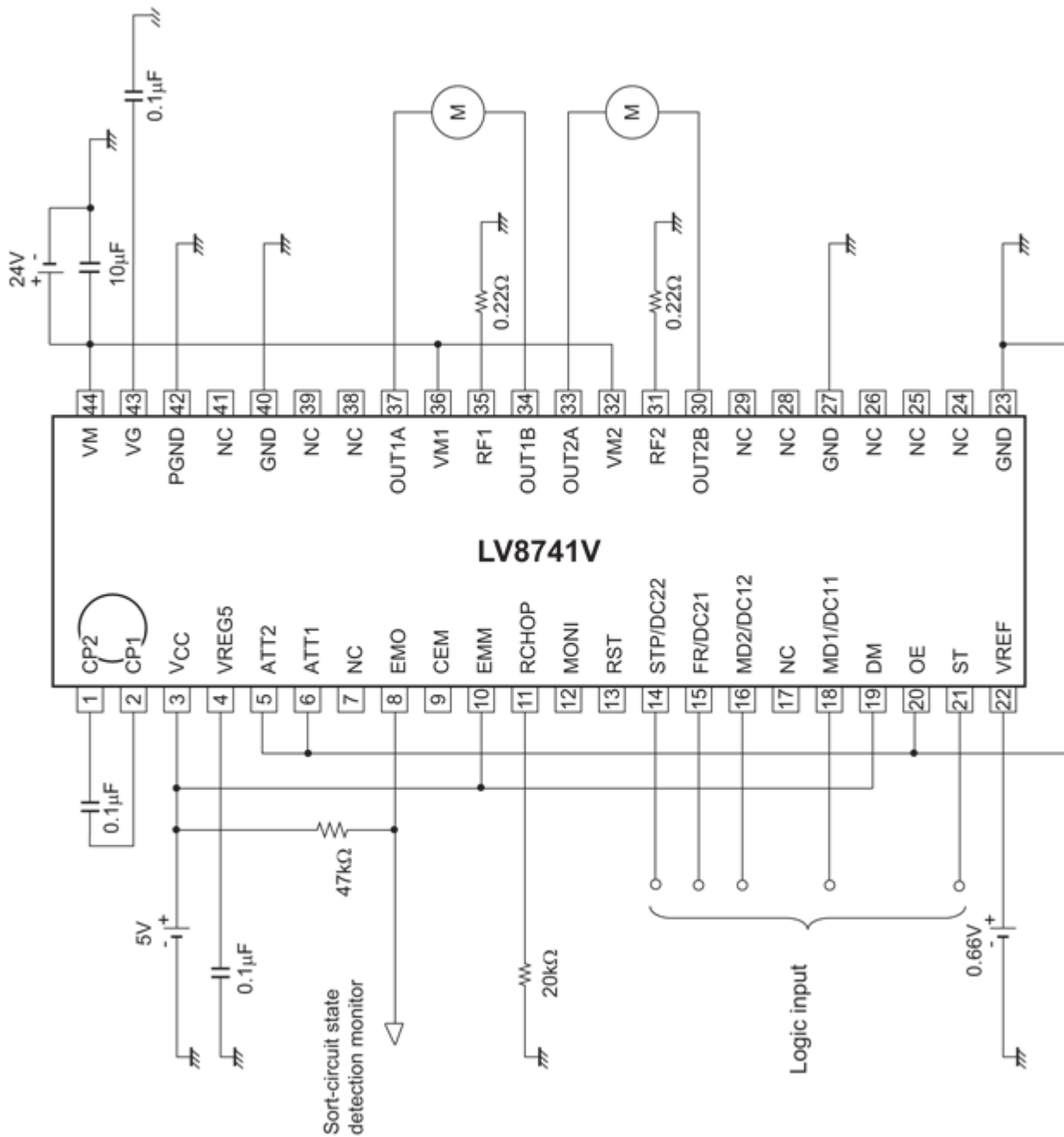
# 应用框图

## Stepper motor driver application circuit example



\* Please refer to a Datasheet for the instructions.

## DC motor driver application circuit example



\* Please refer to a Datasheet for the instructions.

欲了解更多信息，请联系您当地的销售支援 [www.onsemi.cn](http://www.onsemi.cn)。

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