

### Description

The TCM8547 is a dual-channel low saturation voltage forward, reverse, coast, break motor driver IC. It is optimal for motor drive in 12V or 24V system products and can drive a stepper motor in Full-step or two DC motor.

The output driver block of each H-bridge consists of N-channel power MOSFETs configured as an H-bridge to drive the motor windings. Each H-bridge includes circuitry to regulate or limit the winding current. Internal shutdown functions are provided for under-voltage lockout, over current protection and over temperature. A low-power sleep mode is also provided.

The TCM8547 is available in a compact SSOP10 package.

### Features

- VM max=40V, IO max = 1.2A
- R<sub>DS(on)</sub>: 700-mΩ (HS + LS)
- H-Bridge Motor Driver
- Over current protection
- Over temperature protection
- UVLO protection
- Low-Power Sleep Mode
- SSOP10, EMSOP10 Package

### Applications

- Refrigerator
- Vacuum Cleaner
- POS Printer
- Any Relevant Stepper Motor Applications.

### Device Information

Part No.	Package	Quantity
TCM8547_SSJ	SSOP10	4000/Reel
TCM8547_EMJ	EMSOP10	4000/Reel

### Package & Simplified Schematic

