
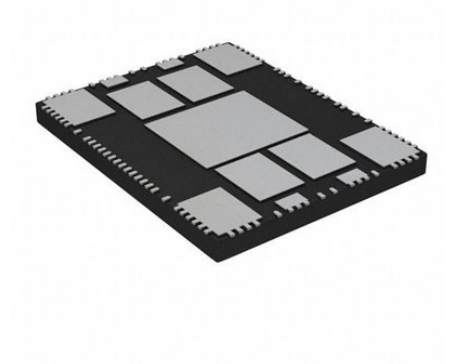


Quad Half Bridge Motor Driver 16-Pin VFQFPN EP T/R

Manufacturer:	STMicroelectronics, Inc
Package/Case:	VFQFPN-16
Product Type:	Driver ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The STSPIN250 is a single brush DC motor driver integrating a low Rds(ON) power stage in a small VFQFPN 3 x 3 mm package. The full-bridge implements a PWM current controller with fixed OFF time. The device is designed to operate in battery-powered scenarios and can be forced in a zero-consumption state allowing a significant increase in battery life. The device offers a complete set of protection features including overcurrent, overtemperature and short-circuit protection.

Key Features

Operating voltage from 1.8 to 10 V

Maximum output current 2.6 Arms with OUTAx paralalled to OUTBx

RDS(ON) HS + LS = 0.2 Ω typ.

Current control with programmable off-time

Full protection set

Non-dissipative overcurrent protection

Short-circuit protection

Thermal shutdown

Non-dissipative overcurrent protection

Short-circuit protection

Thermal shutdown

Energy saving and long battery life with standby consumption less than 80 nA

Recommended For You

STIS14PHR

STMicroelectronics, Inc
HSOP-8

ST890CDR

STMicroelectronics, Inc
SOP-8

STWD100YNYWY3F

STMicroelectronics, Inc
SOT23-5

STC3100IQT

STMicroelectronics, Inc
QFN

STM706TM6F

STMicroelectronics, Inc
SOP-8

STWD100NYWY3F

STMicroelectronics, Inc
SOT23-5

STPD01PUR

STMicroelectronics, Inc
24-QFN

STGAP2SICSNTR

STMicroelectronics, Inc
SOIC-8

STSPIN230

STMicroelectronics, Inc
VFQFPN16

STNS01PUR

STMicroelectronics, Inc
DFN-12

STWBC

STMicroelectronics, Inc
QFN32

STWBC2

STMicroelectronics, Inc
SOP

STMPS2171MIR

STMicroelectronics, Inc
SO-8

STSPIN240

STMicroelectronics, Inc
QFN16

STMPS2151MIR

STMicroelectronics, Inc
SOP8