

TMC34NP-PSO

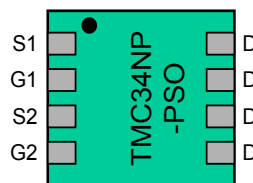
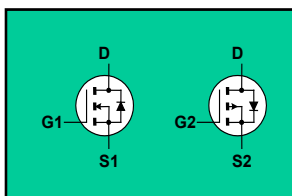
Complementary 30V MOSFET
Half Bridge / Full Bridge

INFO The TMC34NP-PSO is a miniature N & P channel MOSFET complementary pair, ideally suited for motor drive applications. It perfectly complements the TMC239A-LA / TMC249A-LA stepper motor drivers, in order to build a 4A stepper motor driver the size of a stamp.

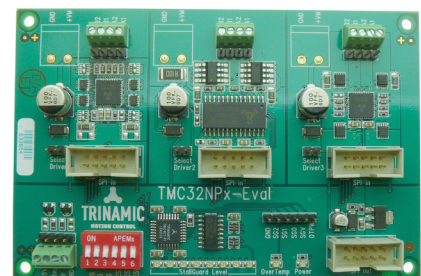
The evaluation board has different stepper driver MOSFET configurations and allows SPI control via a TMC428A-EVAL board as well as step / direction control using a TMC401.

MAIN CHARACTERISTICS

- ELECTRICAL DATA N TYPE**
 - 35mΩ $R_{DS(on)}$ max. @ $V_{GS} = 10V$
 - 50mΩ $R_{DS(on)}$ max. @ $V_{GS} = 4.5V$
 - $I_D = 7.7A$ max. cont. current
 - 30V V_{BRDSS} max.
- ELECTRICAL DATA P TYPE**
 - 51mΩ $R_{DS(on)}$ max. @ $V_{GS} = -10V$
 - 75mΩ $R_{DS(on)}$ max. @ $V_{GS} = -6V$
 - $I_D = -6.4A$ max. cont. current
 - -30V V_{BRDSS} max.
- HIGHLIGHTS**
 - extremely compact package with good thermal properties
 - low on resistance
 - low gate charge
- APPLICATIONS**
 - stepper motor drives
 - DC motor drives
- PACKAGE**
 - 3.3 x 3.3 mm² dual die SMT package PPAK 1212
 - RoHS compliant



10 mm



ORDER CODE	DESCRIPTION
TMC34NP-PSO	complementary 30V MOSFET half bridge (PPAK1212 package)
<i>Related product:</i>	<i>These devices ideally complement the TMC239 & TMC249</i>
TMC32NPx-EVAL	Evaluation board for TMC401-PI, TMC249A-LA & TMC32NP-MLP, TMC249A-SA & TMC32NP2-SM8 and TMC249A-LA & TMC34NP-PSO