

Compact IPM for Motor Control

Innovation

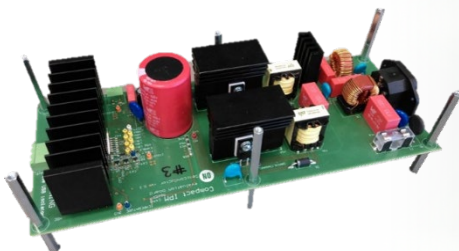
- Complete system solution for Industrial Motor control up to 1 kW
- Fully-integrated inverter power stage consisting of a high-voltage driver, six IGBT's and a thermistor and protection features providing high power density and thermal management capabilities

Value Advantage

- Multi function integrated for compact design and cost optimization
- Compatible with ACIM, PMSM and BLDC motor technologies
- Simplifies design with unmatched power density and thermal management
 - ✓ Best in class power density and thermal management.
 - ✓ High integrated, robust and rugged technology.
 - ✓ Lower component count and cost efficient solution.

Current Proposition

- EMI filter, rectification, Active PFC, inverter, sensing and protections
- Arduino DUE compatible pin header for external control
- [**FFSPF1065A**](#): Compact IPM module Interleaved PFC controller PFC power stage SiC diodes
- [**FCPF125N65S3**](#): PFC power stage superFET III MOSFETs (650 V, 24 A, 125 mOhms)
- [**NCP1063**](#): DCDC regulator
- [**NCS2003**](#): Current sense amplifier
- [**NCS2250**](#): OCP and SC protection circuit with NCS2250



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