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Motor Control Demo Kit (BLDC Drive)

The Motor Control Demo Kit is specially designed to enable easy evaluation on complex motor drive design at an optimized cost. Powered by a high performance 8-bit XC866 Microcontroller and the SPB80N08S2L-07 OptiMOS® Power Transistor, this BLDC Drive Demo Kit can support any 3-phase motor control mechanism; e.g. Brushless DC (BLDC), Permanent Magnet Synchronous Motor (PMSM), and Induction Motor.

The Motor Control Demo Kit includes source codes and schematics to guide you into creating your own Hall Sensor BLDC motor control. The components with this kit may also be used independently for your further evaluation on other powerful peripheral features available on the XC866 microcontroller.

This Kit Includes

Hardware Resources

- XC866 Starter Kit Board
- Motor Driver Board
- BLDC Motor
- Motor Driver Board Power Supply*
- XC866 Starter Kit Power Supply
- RS 232 Serial Cable
- Infineon Motor Control CD

* Motor Driver Board Power Supply input specifications might differ due to regional power requirements and may not be included in the motor control demo kit.

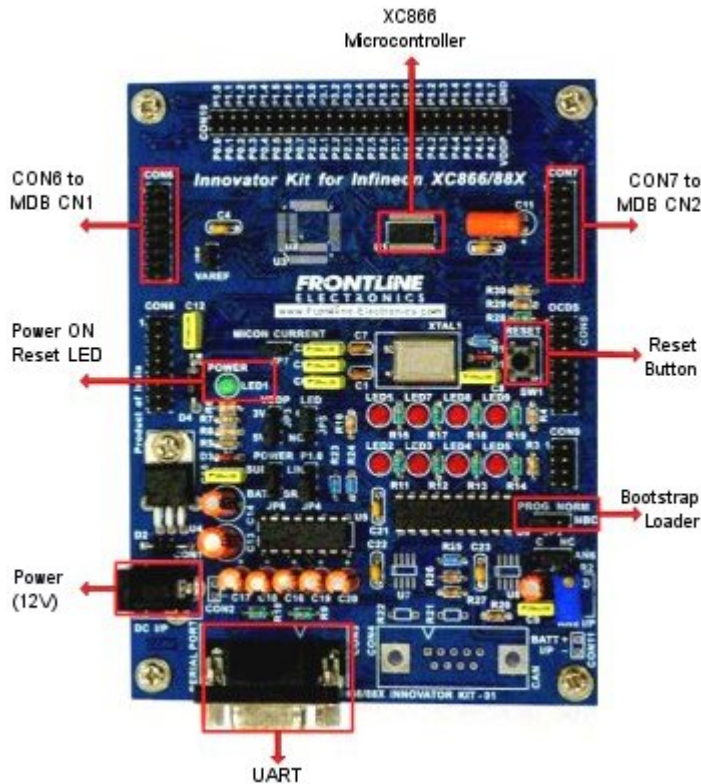
Infineon Components

- SAK-XC866-4FR Pb Free (8-bit Microcontroller)
- SPB80N08S2L-07 (OptiMOS® Power Transistor)

Software (Motor Control CD)

- Autocode Generator
- Compiler / Debugger (Evaluation Version)
- Programmer / Flash Tool

XC866 Starter Kit



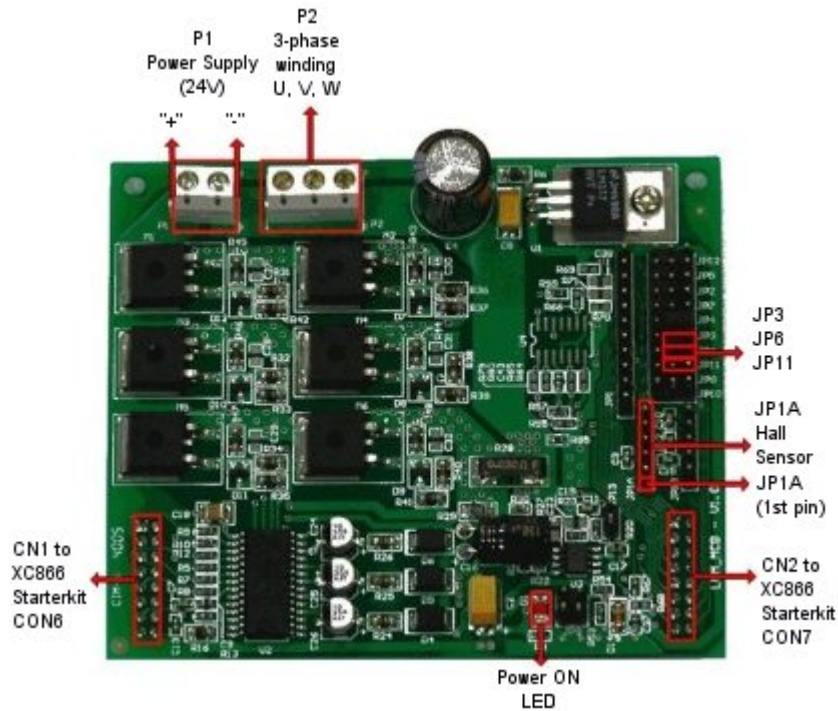
Key Features

- MCU Derivative: SAK-XC866-4FR Pb Free
- CPU Clock: 26.67 MHz
- On-Chip Memory: 768 Byte RAM, 16 kByte Flash

Interfaces

- RS232 via SUBD9 (female)
- JTAG via header
- Standard motor control connector via header

Motor Driver Board



Key Features

DC input power supply: 20V ~ 45V, 0A ~ 16A

Motor Types: Drives 3-phase motor (BLDC, PMSM, and Induction Motor)

Able to measure drive sum current

Interfaces

Hall sensors, resolver, tachometer, encoder signals

Back-emf measurement in sensorless BLDC control

Standard XC866 starter kit board connector via head

Order Nr: KIT_AK_BLDC_MDB_V1

Price: 229,- EURO (Promotional Price - whilst stock last)
299,- EUR (Normal Price)

How to order?

To order your kit, please contact your local Infineon Technologies distributor: <http://www.infineon.com/distribution>

For more information, please visit our 8-bit, 16-bit and 32-bit product pages at: <http://www.infineon.com/microcontrollers>

For Infineon's new 8-bit XC800 family devices, please visit our product page at: <http://www.infineon.com/XC800-Family>

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