Automotive BLDC Motor Drive Kit

Getting Started
Field Oriented Control (FOC) Sensorless

Device: XC2236N or XC886
Getting Started
Overview 16 Bit Motor Drive Kit

- Included
  - TLE 7184F Power Board (12V...24V/20A)
  - BLDC/PMSM Motor
  - AC/DC power-supply (12V/2A)
  - XC2236N/XC886 drive card, capable of running FOC code
  - USB drive-monitor
  - CD-Rom with software & documentation
  - Cables and connectors
Getting Started
Quick Start 1

- Connect the PMSM Motor Board with the Automotive BLDC Inverter v1.1 and this with the XC2236N/XC866 Drive Card

XC2236N/XC886  Automotive BLDC Inverter  PMSM Motor Board
Getting Started
Quick Start 1

- Connect the Automotive BLDC Motor Drive Kit with power
- Press the Reset Button
- Turn the Potentiometer to the Left until stop
- The PMSM Motor will start
- Turn the Potentiometer to the right, to increase speed of the PMSM Motor
- Press the Reset Button to stop the PMSM Motor
Getting Started
Quick Start 1

1. Power supply
2. Reset Button
3. Potentiometer
4. PMSM Motor
Getting Started
Overview Drive Monitor with USB-drive Kit

- Install the Drive Monitor V6.0
- Start the Drive Monitor and click open setting
- Open the DriveMonitor_ini File
- Click on XC2236N/XC886_DriveMonitor
Connect the XC2236N/XC886 Drive Card with the USB drive-monitor

Press the Reset Button
Click on Connect Button in Drive Monitor V6.0
Click on 'Load' to load the Hex File
Click on ‘FOC_Sensorless.hex’ to open the Hex file
Click on ‘Run’ to start the communication from PC to Drive Kit
Click on ‘Get’ to see Speed Control and Startup Information
Click on 'Start' to start the Motor
We commit.
We innovate.
We partner.
We create value.