Brushless DC Motor Control Development Tools Using Fuzzy Logic for TMS320F28325/335

TI Third Party Network Member

DSP TEXAS INSTRUMENTS

Documentation
Fuzzy Logic White Paper
Fuzzy Logic BLDC Motor Control Development Tools
FLBLDC Whitepaper.pdf

Application
Motor Control
Motion Control
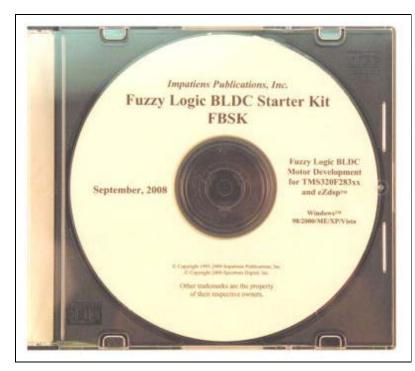Algorithm Development
Microcontroller Replacement

Warranty
90 day warranty on media

Part #: 701094

Impatiens Publications, Inc.
Fuzzy Logic BLDC Starter Kit
FBSK

September, 2008

Fuzzy Logic BLDC Motor Development for TMS320F283xx and eZdsp™

Windows™ 98/2000/ME/XP/Vista

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BLDC Tool Features

- FL BLDC easier to understand than traditional controllers
- Simplifies BLDC design and development
- FL BLDC has faster time to market than PID controllers
- Uses low-cost DMC550 drive stage
- Uses low-cost 12-24 VDC BLDC motors

Software Features

- Compatible with CCS 3.3
- Operates as Stand-alone software.
- Small code footprint

Required Hardware

- eZdsp™ F28335, # 761135
- DMC550, # 701225

What's Included

- CD with code for FL and PID BLDC Motor Control Dev tools
- Quickstart installation manual
- Whitepaper on FL BLDC motor control
- FL BLDC (FBSK) System document
- Simulation files for FL controller tuning

Do You Need ?

- eZdsp™ F28335, #761135
- DMC550, #701225

		- C2000 XDS510LC USB JTAG Emulator, #701902 - C2000 Code Composer Studio™ with XDS510LC USB JTAG Emulator, #701922 - XDS510 USB JTAG Emulator, #701900 - XDS510USB Galvanic JTAG Emulator, #701910