

DSP controller for 6-phase and 5-phase inverters used in the research of multiphase multimotor drive systems

Customer:

LJMU University, U.K.

Salient features:

- TMS320LF24xx based
- Controlling up to 9 inverter arms, programmable pulse width and lockout time
- Individual digital current control for a range motor combinations, including 3-phase, 5-phase and 6-phase motors, asynchronous and PM
- CANbus interface full-Can 2.0
- Modbus (RS485)

Product description:

eTF made fixed-point DSP board dedicated to controlling multiphase, multidrive systems. The board and associated software are developed for LJMU University, U.K., the later doing research in the field of multiphase multidrive motor drives in parallel, series and other connections.



Involvement:

Complete hardware and software design, production and delivery of 4 units.