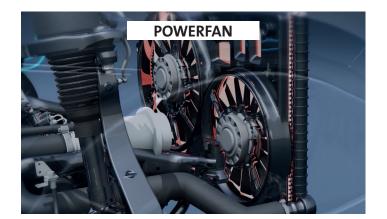
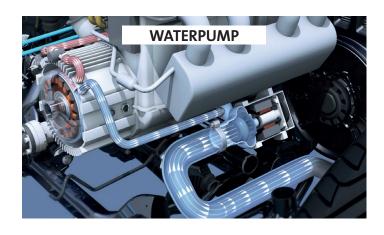
E523.06/E523.52 A8V BLDC Motor Controller





Features

- V_{RAT} from 7V to 27V (for E523.06)
- V_{RAT} from 9V to 72V (for E523.52)
- Embedded 48Mhz, 16bit μC with 32k Flash and 24kROM
- Co-Processor for PWM waveform generation
- LIN 2.2 or PWM Interface (for E523.06)
- MosFet Gate Driver with diagnostic functions
- Fast 1 Mega sample 12 bit ADC
- T_{lunc} peak = +150°C

Applications

Automotive and Industrial BLDC Motors for:

- HVAC Blower
- Engine cooling fans
- Water, Oil and Fuel pump
- BLDC Actuator
- Demo Code for different applications available:
- Current Zero Crossing Detection (CZCD) for low noise
- Field Oriented Control (FOC) for dynamic load

E523.42 for small actuator and blower





Features

- V_{PAT} from 7V to 27V
- Embedded 32Bit ARM® M0 µC with 32kOTP, 24kROM, 256byte EEPROM
- SPI Interface for external sensors and 5V/20mA supply
- LIN 2.2 Autoaddressing Interface
- Integrated three halfbridge driver with up to 1A Phase-current
- T_{lunc} peak = +150°C

Applications

Automotive and Industrial BLDC Motors for:

- Small Actuators
- Grill shutter
- Watervalve
- Blower Bi-directional

E523.81 for low cost and low noise blower





Features

- V_{RAT} from 6V to 28V (5V to 42V)
- High integrated PMSM State Machine with OTP for parametrization
- Bi-directional PWM Interface
- Integrated three halfbridge driver with up to 0.5A Phase current
- ASIL B compliant
- T_{lunc} peak = +170°C

Applications

Small blowers in Automotive and Industrial market:

- LED cooling
- Seat ventilation
- Decentral blower for building



GET YOUR ELMOS MOTOR CONTROL IC

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