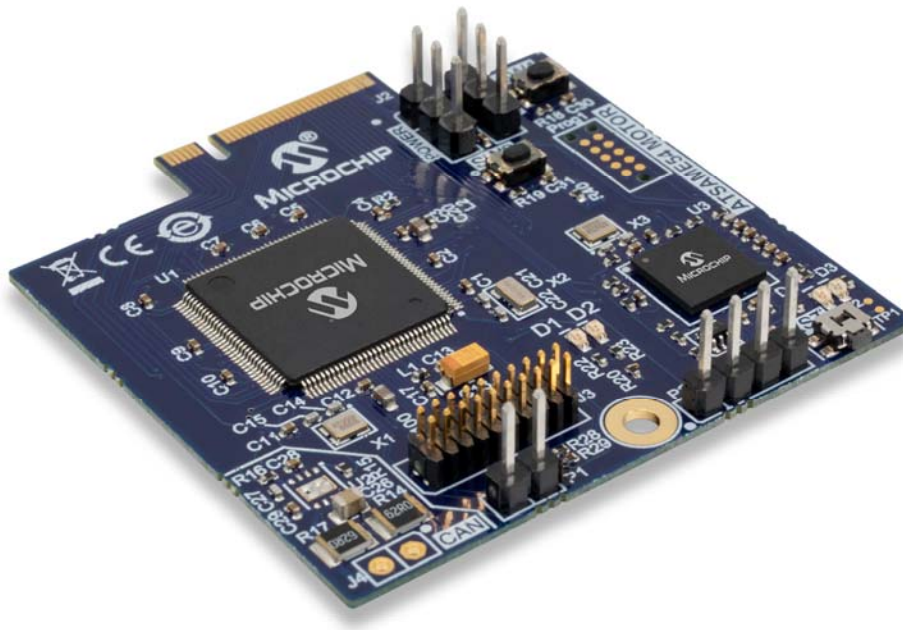# ATSAME54 Motor Control MCU Card

Part Number: AC320208

SAM E54 MC Card
(Part # AC320208)

The ATSAME54MOTOR is an MCU card for Motor control starter kit - ATSAMxxxBDLCxxx-STK. The hardware has the SMART ARM based MCU, ATSAME54, with integrated on-board debug support. The MCU card can be directly used with the currently available ATSAMD21BLDC24V-STK, a low voltage BLDC, PMSM motor control starter kit.

The ATSAMD21BLDC24V Base board can be found here -ATSAMD21BLDC24V-STK

Package Contents

ATSAME54 Motor Control MCU Card

Product Features

- Debug support using on-board Atmel EDBG device
- TCC PWM signals for three-phase half-bridge drive
- ADC channels for common shunt and individual shunt phase current sensing
- ADC channels for motor BEMF sensing
- AC channels for BEMF signals
- EXTINT hall sensor interface
- EXTINT encoder sensor interface
- Atmel Xplained PRO extension signals support
- Communication and Power status LEDs