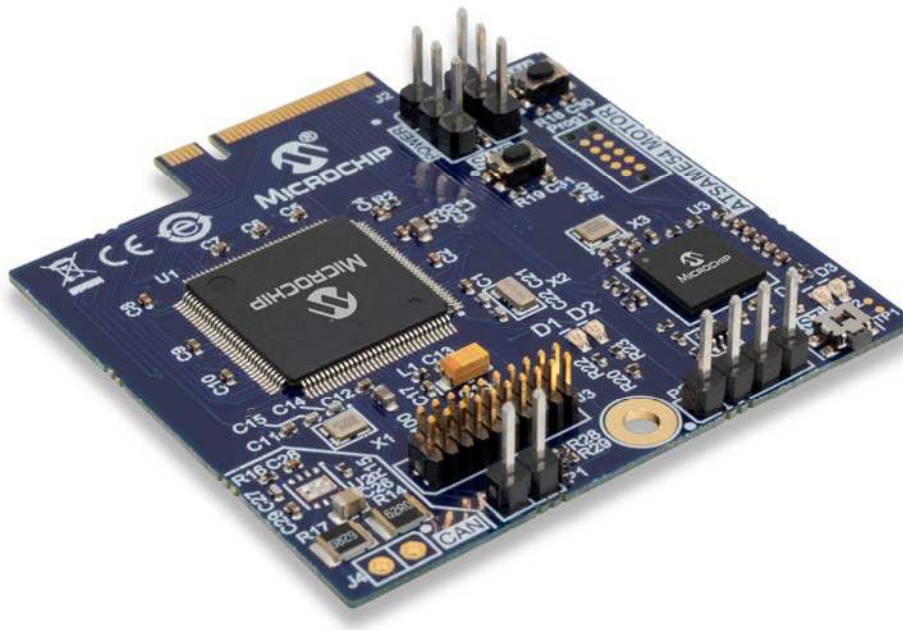




# ATSAME54 Motor Control MCU Card

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 ATSAM21BLDC24V-STK, a low voltage BLDC, PMSM motor control starter kit.

The ATSAM21BLDC24V Base board can be found here -[ATSAM21BLDC24V-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