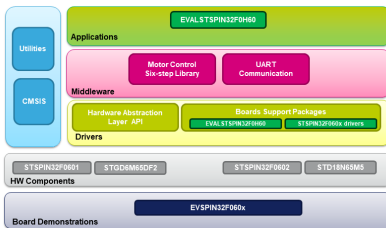


## Six-step motor driving library for STSPIN32F0601/602



### Features

- Six-step driving (trapezoidal)
- Speed loop in voltage mode and current mode control
- Supports sensorless driving with Back EMF sensing on both ON and OFF phases
- Supports feedback based on Hall effect
- Native support for EVSPIN32F0601S1/602S1 boards
- Embedded communication through serial interface
- Based on HAL libraries for STM32

### Description

The STSW-SPIN32F060X firmware package is a motor control example with a library for STSPIN32F0601/602 to implement a six-step driving algorithm for three phase permanent magnet (PMSM) and brushless DC (BLDC) motors.

In combination with the EVSPIN32F0601S1/602S1 boards, it allows the user to evaluate the STSPIN32F0601/602 Systems-in-Package in six-step applications. Both sensorless (Back EMF sensing) and sensed (Hall-effect sensors) control are supported.

Product summary	
Software package	STSW-SPIN32F060X
Compatible boards	EVSPIN32F0601S1
	EVSPIN32F0602S1

## Revision history

**Table 1. Document revision history**

Date	Version	Changes
03-June-2020	1	Initial release.

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