



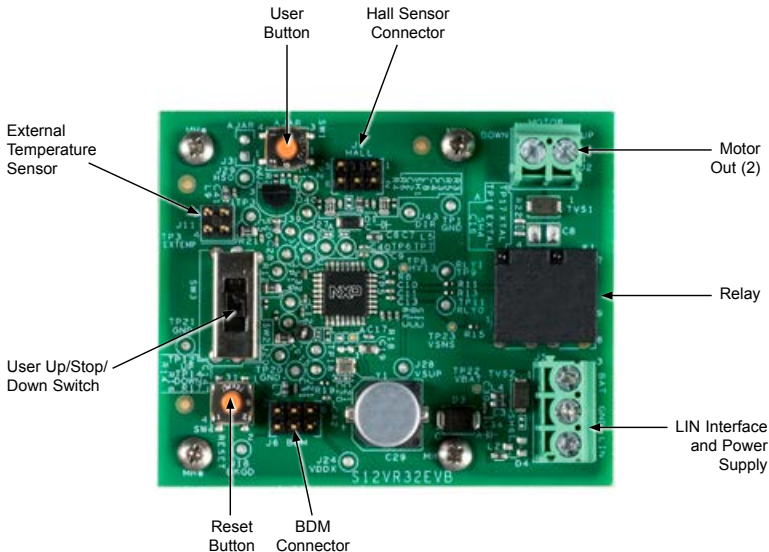
## Quick Start Guide S12VR32EVB

Highly Integrated Microcontroller  
Power Window Lift Relay-Based



## Quick Start Guide

### GET TO KNOW THE S12VR32EVB BOARD



Front side of S12VR32EVB board

### INTRODUCTION

The S12VR32 EVB features the S12VR32 microcontroller, an automotive 16-bit MCU for applications based on motor control relays. The S12VR32 evaluation board integrates an S12 CPU, a LIN physical interface, a 5 V regulator system to supply the microcontroller and low-side drivers to control the relay.

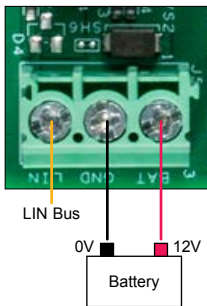
This ultra-low-cost development platform also includes a Hall sensor interface, an external 16 MHz oscillator, a switch button and an onboard OSBDM.

## Quick Start Guide

### STEP-BY-STEP BOARD CONNECTION

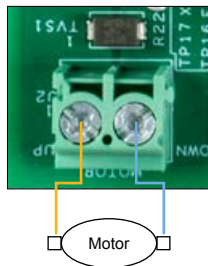
#### 1 Connect the Board

Supply your board with 12 V as is shown in the image.



#### 2 Connect the Motor

Connect your DC motor as is shown in the image.



V0	V1	DIRECTION
12V	0V	Up
0V	12V	Down
0V	0V	Off
12V	12V	Invalid

### HEADERS AND CONNECTORS

HEADER/CONNECTOR	DESCRIPTION	
J1	HALL sensor connector	
J2	Pin 1	Motor1_Out
	Pin 2	Motor0_Out
J5	Pin 1	LIN
	Pin 2	GND
	Pin 3	V <sub>BAT</sub>
J6	BDM Connector	
J11	External temperature sensor connector	



## SUPPORT

Visit [www.nxp.com/support](http://www.nxp.com/support) for a list of phone numbers within your region.

## WARRANTY

Visit [www.nxp.com/warranty](http://www.nxp.com/warranty) for complete warranty information.



## Get Started

Download installation software and documentation under “Jump Start Your Design” at [www.nxp.com/S12VR32EVB](http://www.nxp.com/S12VR32EVB).

[www.nxp.com/automcdevkits](http://www.nxp.com/automcdevkits)

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