

## Dual brushed DC motor driver expansion board based on STSPIN948

### Features



- Voltage range from 5 V to 58 V
- Phase current up to 5 A r.m.s
- Adjustable output slew rate
- Five different driving modes
- Current limiter with adjustable off-time
- Two integrated amplifiers with fixed gain
- Full protection set including: overcurrent, undervoltage lockout, and thermal shutdown
- Compatible with Arduino® UNO R3 connector and STM32 Nucleo boards

### Description

The [EVSPIN948](#) dual brushed DC motor driver expansion board is based on the STSPIN948.



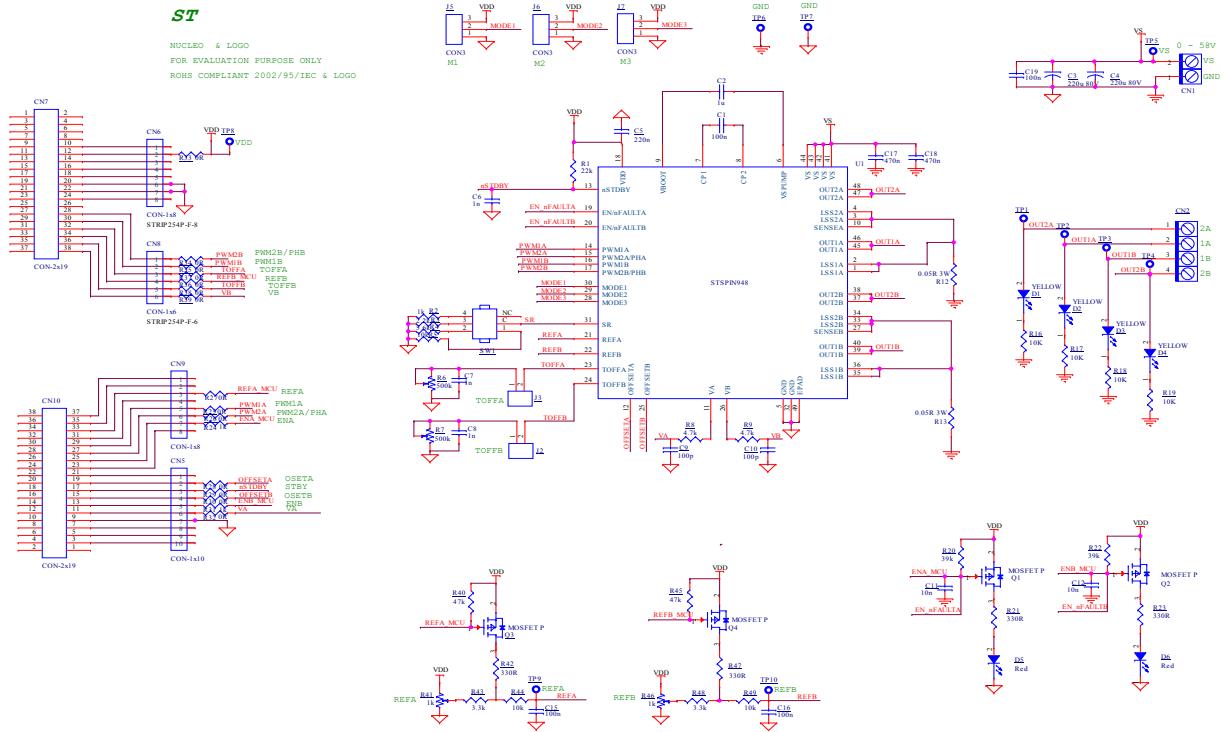
It provides an affordable and easy-to-use solution for the implementation of brushed DC motor driving applications. Thanks to the parallel operation, it can be easily converted to a single brushed DC motor driver with double current capability. In addition to the internal current limiter, the integrated amplifiers allow it to be used in systems with external current control. The EVSPIN948 is compatible with the Arduino® UNO R3 connector and most STM32 Nucleo boards.

#### Product status link

[EVSPIN948](#)

## 1 EVSPIN948 schematic diagram

**Figure 1. Board schematic**



## Revision history

**Table 1. Document revision history**

| Date        | Version | Changes          |
|-------------|---------|------------------|
| 07-Jul-2023 | 1       | Initial release. |

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