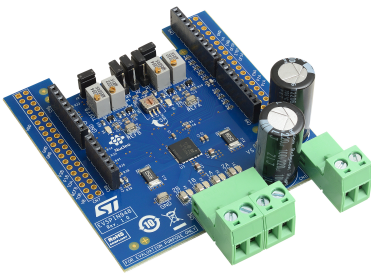


Dual brushed DC motor driver evaluation board based on STSPIN948



Features

- Voltage range from 5 V to 58 V
- Phase current up to 4.5 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 evaluation 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.

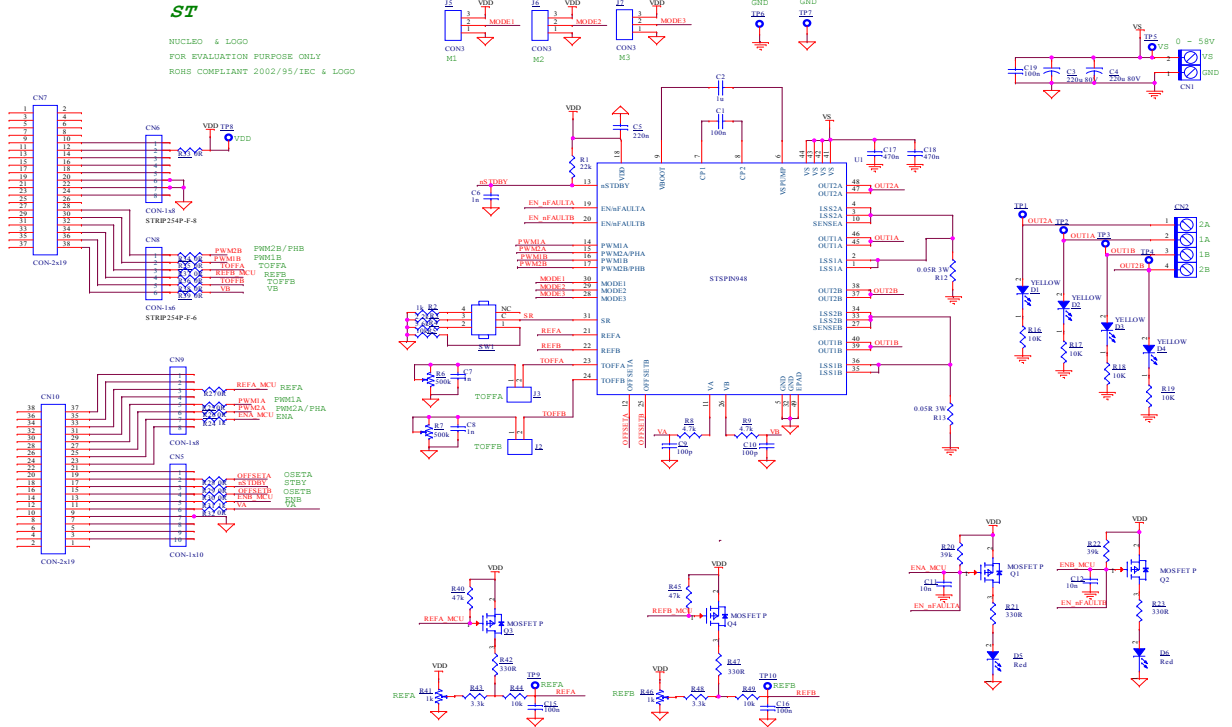


Product status link

[EVSPIN948](#)

1 EVSPIN948 schematic diagram

Figure 1. Board schematic



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Revision history

Table 1. Document revision history

Date	Version	Changes
07-Jul-2023	1	Initial release.
19-Oct-2023	2	Updated board current rating



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