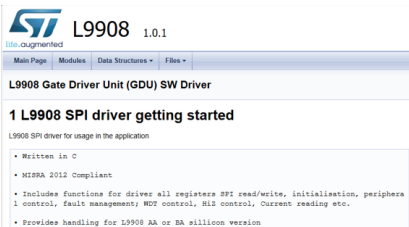


L9908 Software driver



Features

- Written in "C" code
- MISRA compliant
- Provides handling of all main features of L9908 for AA or BA silicon version
- Driver is able to control up to 3 L9908 drivers and switch handling between them
- Includes handling functions:
 - Driver objects handling (to takeover control between all L9908 GDU in the project)
 - Control SPI registers for read or write operations (with SPI packets creating, parsing, CRC processing, automatic frame counter control, handling of register lock management: SRR, NSR, SLR)
 - Driver initialization
 - L9908 internal state machine handling
 - Fault management
 - Watchdog control
 - High impedance (HiZ) control
 - Current reading and processing
 - Driver ENBR and NDIS pins control
 - Reading operational mode

Description

The [STSW-L9908-LLD](#) is a library of low-level drivers that enables the control up to three L9908 Gate Driver Units and includes handling functions. Written in C, it fully complies with MISRA standards to ensure the development of safe, reliable software for automotive applications.

Product status link

[STSW-L9908-LLD](#)

Product summary

| Order code | Reference |
|----------------|-----------------------------------|
| STSW-L9908-LLD | STSW-L9908-LLD L9908 SW Driver |

Revision history

Table 1. Document revision history

| Date | Version | Changes |
|-------------|---------|---|
| 28-Apr-2022 | 1 | Initial release. |
| 05-May-2022 | 2 | Removed <i>watermark "Restricted"</i> . |
| 11-Aug-2022 | 3 | Updated Section Description . |



Contents

Revision history2

IMPORTANT NOTICE – READ CAREFULLY

STMicroelectronics NV and its subsidiaries (“ST”) reserve the right to make changes, corrections, enhancements, modifications, and improvements to ST products and/or to this document at any time without notice. Purchasers should obtain the latest relevant information on ST products before placing orders. ST products are sold pursuant to ST’s terms and conditions of sale in place at the time of order acknowledgment.

Purchasers are solely responsible for the choice, selection, and use of ST products and ST assumes no liability for application assistance or the design of purchasers’ products.

No license, express or implied, to any intellectual property right is granted by ST herein.

Resale of ST products with provisions different from the information set forth herein shall void any warranty granted by ST for such product.

ST and the ST logo are trademarks of ST. For additional information about ST trademarks, refer to www.st.com/trademarks. All other product or service names are the property of their respective owners.

Information in this document supersedes and replaces information previously supplied in any prior versions of this document.

© 2022 STMicroelectronics – All rights reserved