Quick start guide

# SEMPER™ S25HL512T memory module

- SEMPER™ S25HL512T memory module is Pmod compatible
- Connects to any host platform (MCU/SoC), which supports either SPI, dual SPI, or quad SPI with 3.3 V I/Os
- Ideal for use with SEMPER™ SDK

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Visit www.infineon.com/semper-solutions-hub to learn more.

# Features

- SPI, dual SPI, and quad SPI
- Supports 1S-1S-1S, 1S-2S-2S 1S-1S-4S, 1S-4S-4S, 1S-4D-4D, 4S-4S-4S, 4S-4D-4D protocols
- ASIL-B compliant and ASIL-D ready: Meets ISO 26262 standard for automotive functional safety
- Endurance flex architecture: Multiple partitions, each configurable to provide up to 25 years of data retention or 1+ million cycles endurance
- Diagnostics: SafeBoot and error checking to ensure safe and reliable operation

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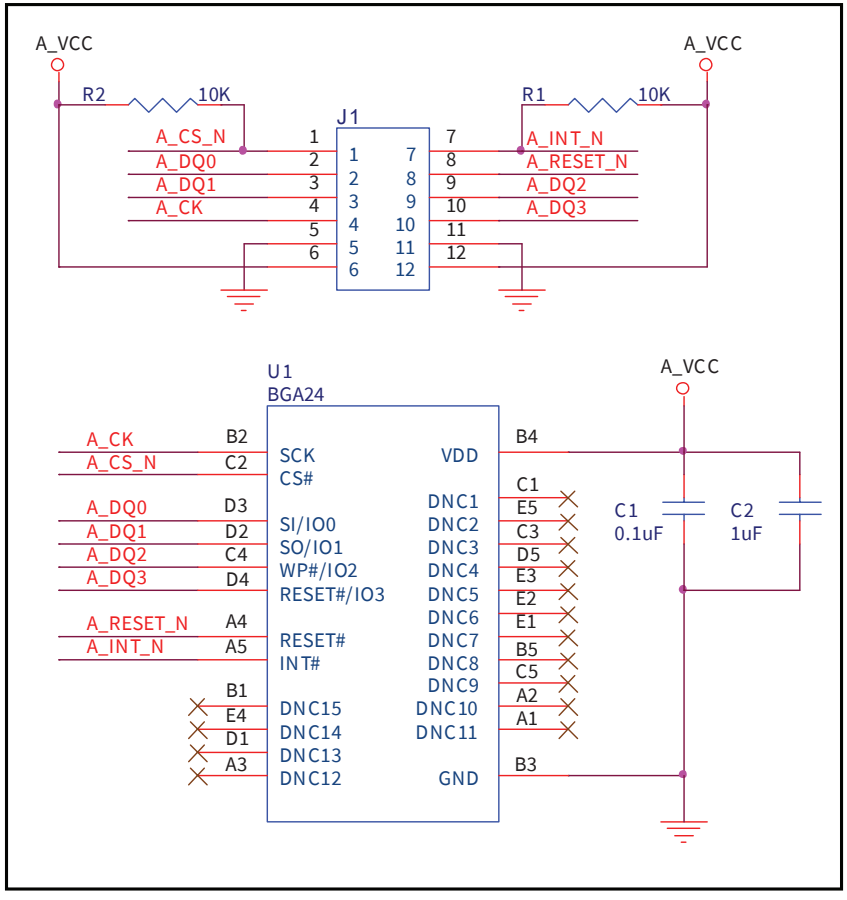


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