
Errata for K32W061 K32W041

This report applies to the product list of K32W061 and K32W041 which have the following marking information of Line C: s * D *** 2

- s: diffusion center global foundry
- AP: assembly plant, X (ASEN manufacturing, Suzhou), S (NXP manufacturing Kaohsiung, Taiwan)
- D: RoHs Dark Green chemical content of molding
- ***: YWW, assembly data code in year and week
- 2: die version

| Errata ID | Errata Title |
|-----------|--|
| SE300 | JTAG: IDE loses communication with device |
| SE301 | UART: Cannot detect error on second stop when 2 stop configuration is used |
| SE302 | AES crypto possible corruption using USART/SPI DMA mode consecutively |

SE300: JTAG: IDE loses communication with device

Errata type: Errata

Description: MCUXpresso debug cannot be used for applications with the watchdog enabled.

During the debug session, the watchdog fires cause the IDE to lose connection, which prevents further debug in the session.

Workaround: Disable the watchdog during debug sessions.

SE301: UART: Cannot detect error on second stop when 2 stop configuration is used

Errata type: Errata

Description: When UART is configured to use 2 Stop bit protocol, the device does not detect error on second stop bit.

Workaround: No workaround is available. It is recommended not to use 2 stop bit protocol.



SE302: AES crypto possible corruption using USART/SPI DMA mode consecutively

Errata type: Errata

Description: The hardware AES crypto engine may not be safely executed while DMA write operations are performed by USART0/1 and SPI0/1. This is because the AES corruption happens under special data sequence on AHB port 7 when AES access is followed consecutively with a DMA write access to USART and SPI.

Workaround: The application software should avoid using hardware AES when write operation is required for USART/SPI DMA mode. The customer can use software AES encryption/decryption when USART/SPI DMA write operation is needed. NXP provides suggestions (from SDK 2.6.6 or later) on how to switch between hardware and software AES dynamically depending on the USART/SPI DMA usage.

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