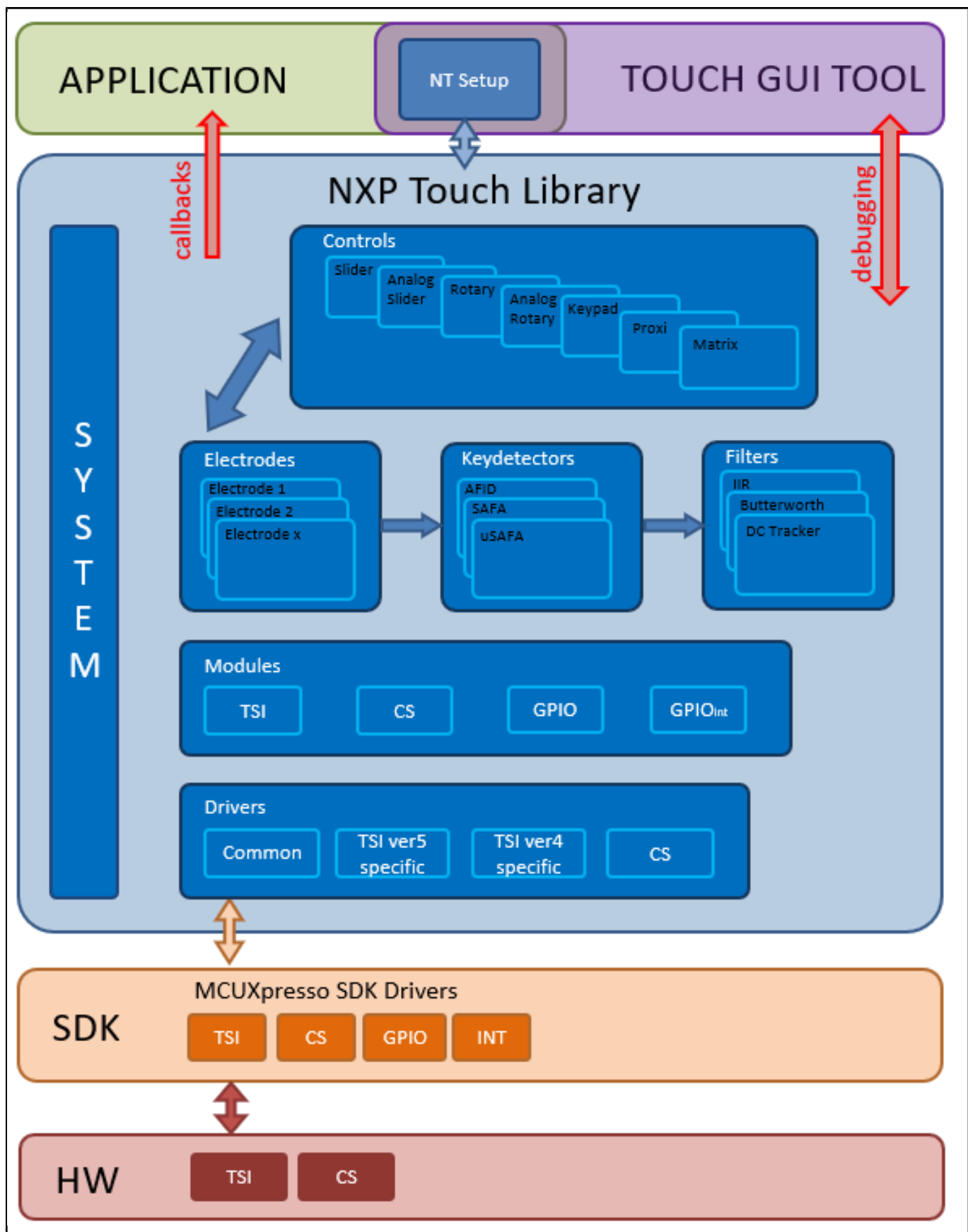# NXP Touch Solution for Kinetis KE15Z MCU Family

TOUCH-SOFTWARE

Last Updated: Mar 31, 2025

The user interface of a product is a key element that design engineers need to address to provide a compelling user experience. Touchpads, slides and rotaries offer a more intuitive and effective way of user interaction than traditional buttons, and designing a touch-based user interface is simplified with the NXP Touch solution. This solution includes software that is designed to work simply and seamlessly with NXP's capacitive touch sensing hardware IP that's available on Kinetis KE15Z MCUs. Key benefits of the NXP Touch solution include:

- Robust EMC performance, noise immunity with IEC61000-4-6 standard certification with the 3 V and 10 V tests
- Self-cap and mutual-cap modes supporting up to 6x6 matrix touchpads
- Effective performance even with liquid substances such as water, salt water, oil, cold steam, etc
- High sensitivity with a boost feature to use when the touch overlay on the user interface is thick (acrylic, glass)

Robust MCU with 256KB Flash and TSI Block Diagram

View additional information for NXP Touch Solution for Kinetis KE15Z MCU Family.

Note: The information on this document is subject to change without notice.

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