

Touch-Sensing for MCUs

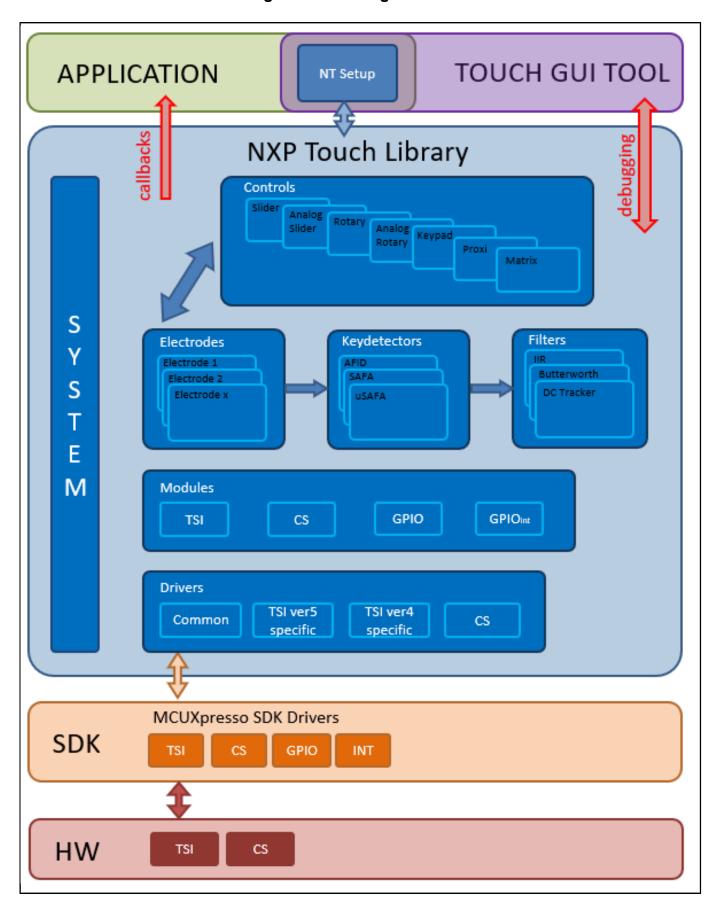
TSSMCU

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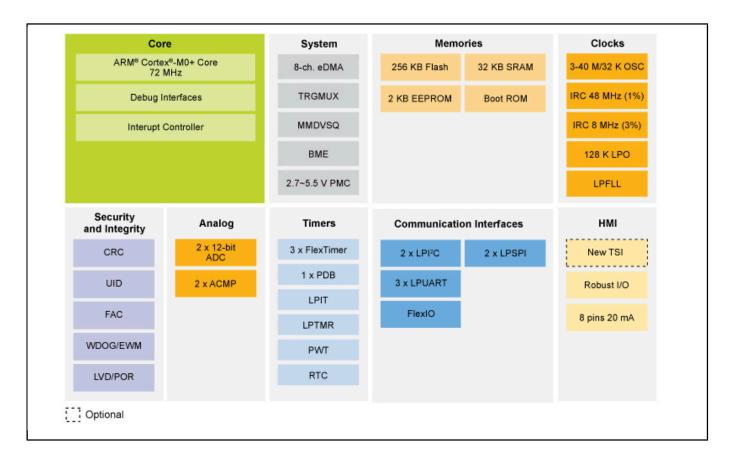
Please go to NXP Touch Solution for Kinetis KE15Z MCU Family for the latest information and support. The user interface of a product is a key element that design engineers need to address to provide a compelling user experience. Touch pads, slides and rotaries offer a more intuitive and effective way 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 3V and 10V tests
- Self-cap and mutual-cap modes supporting up to 6x6 matrix touch pads
- 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)

NXP® Touch Software Block diagram Block Diagram



Robust MCU with 256KB Flash and TSI Block Diagram



View additional information for Touch-Sensing for MCUs.

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