



# Digital Signal Controller with CAN for Industrial Applications

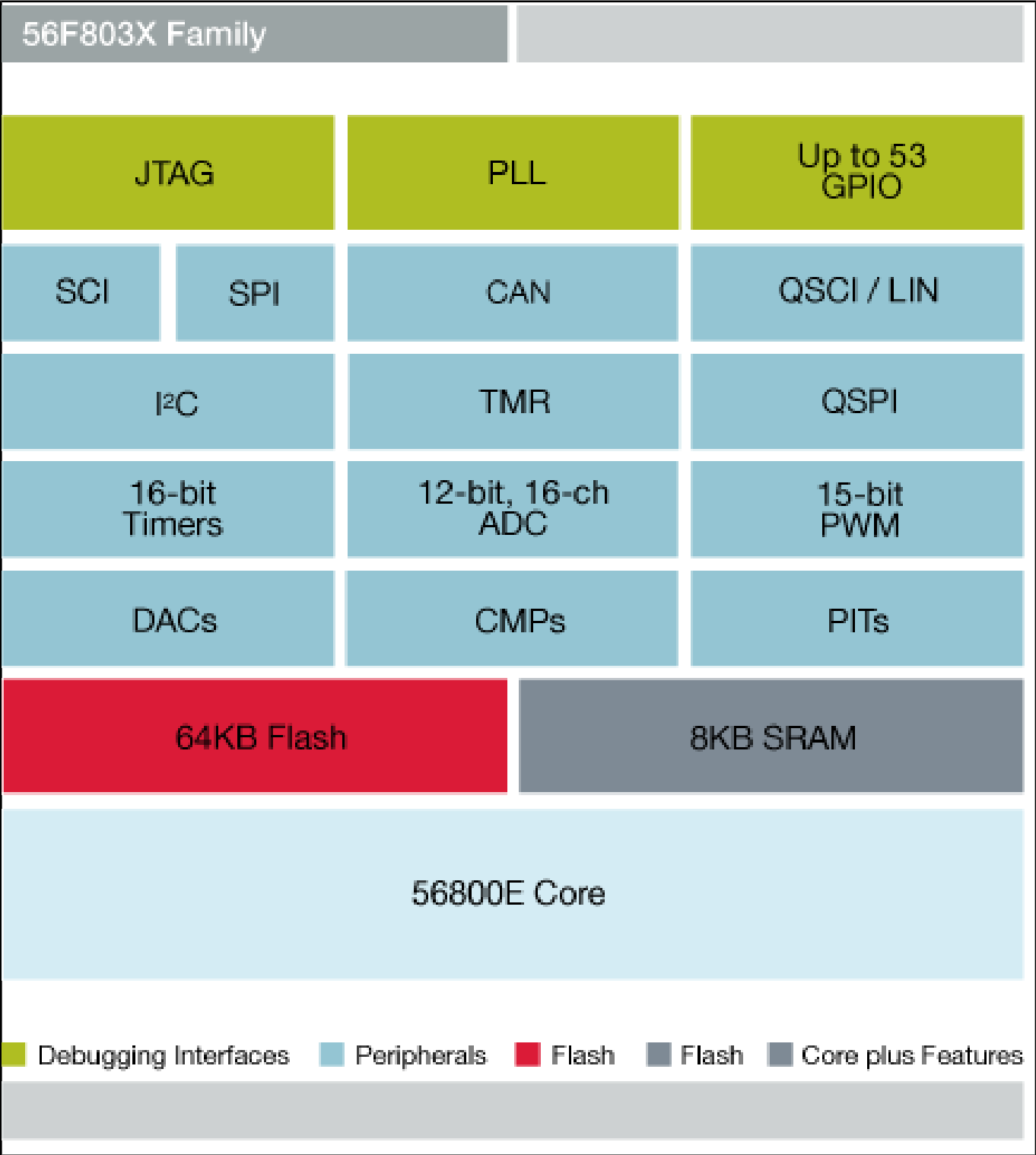
## 56F803X

Last Updated: Sep 27, 2022

NXP® 56F803X digital signal controllers belong to the 56800E core-based DSC family. It combines digital signal processing and microcontroller functionalities on a single chip, with a flexible set of peripherals.

- Supports industrial and motor control, home appliances, inverters, smart sensors, fire and security systems, switched-mode power supply, power management, and medical monitoring
- On-chip integration and ease of implementation help to speed development, lower component count, and significantly reduce system cost
- Supported by robust development tools to simplify and accelerate time-to-market

56F803X Digital Signal Controller Block Diagram



View additional information for [Digital Signal Controller with CAN for Industrial Applications](#).

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

**[www.nxp.com](http://www.nxp.com)**

NXP and the NXP logo are trademarks of NXP B.V. All other product or service names are the property of their respective owners. The related technology may be protected by any or all of patents, copyrights, designs and trade secrets. All rights reserved. © 2024 NXP B.V.