



S12HZ Scalable Instrument Cluster Solutions Microcontrollers (MCUs) with CAN

S12HZ

Not Recommended for New Designs

このページでは、新規設計を推奨しない製品に関する情報を掲載しています。

Last Updated: Apr 9, 2022

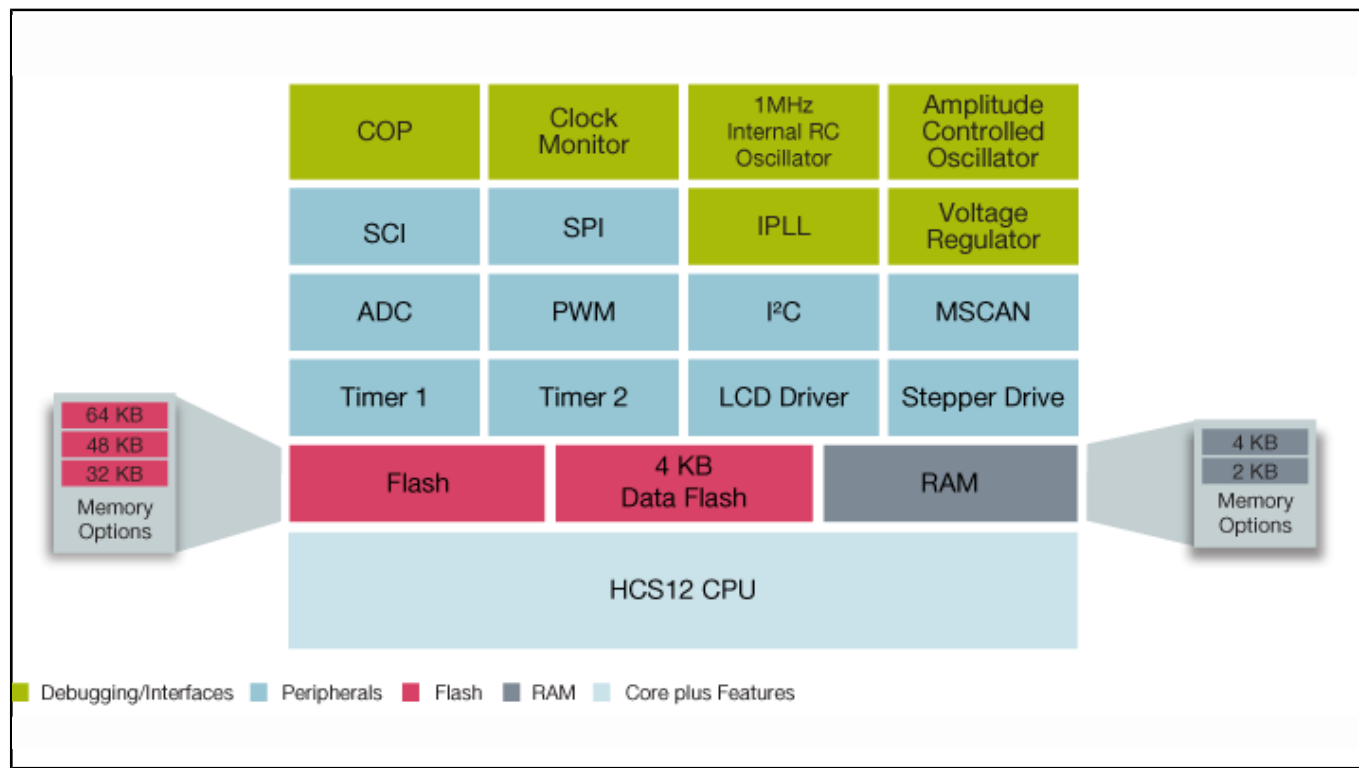
The MCS12H-Family of MCUs has the on-chip peripherals needed for your automotive instrumentation designs.

In addition, they feature a motor pulse width modulator (MC) module consisting of up to 24 high-current outputs suited to drive up to six stepper motors and on selected devices, up to four stepper stall detectors (SSD) to simultaneously calibrate the pointer reset position of each motor.

The MCS12H-Family has full 16-bit data paths throughout and the inclusion of a PLL circuit allows power consumption and performance to be adjusted.

In addition to the I/O ports available in each module, up to 14 I/O ports are available with Key-Wake-Up capability from STOP or WAIT mode.

S12HY Microcontroller Block Diagram Block Diagram



View additional information for [S12HZ Scalable Instrument Cluster Solutions Microcontrollers \(MCUs\) with CAN](#).

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

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. © 2025 NXP B.V.