

PRODUCT OUTLINE

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Features

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General Description

POR Power on Reset: The SGC21412_TSMC_16FFC is an Advanced Power Controller for integration in SoC. It is a configurable core, delivering all the necessary auxiliary supply, monitoring, protection and POR functions. The APC is the backbone for a Power Management Unit (PMU). It offers high power rejection (PSRR), start-up sequencing and independent voltage reference decoupling without the need for extra package pins. All generated references include digital trimming for increased performance or yield improvement. The SGC21412_TSMC_FFC does not require any external decoupling capacitor. It is specified from $T_j = -40^{\circ}\text{C}$ to $+125^{\circ}\text{C}$ and is designed to achieve 1% overall voltage reference accuracy (over Load/Line/Temp/Process).

Applications

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Quick Reference

Applications Diagram