



Logic-Controlled High-Side Power Switch

NX5P2190UK

Archived

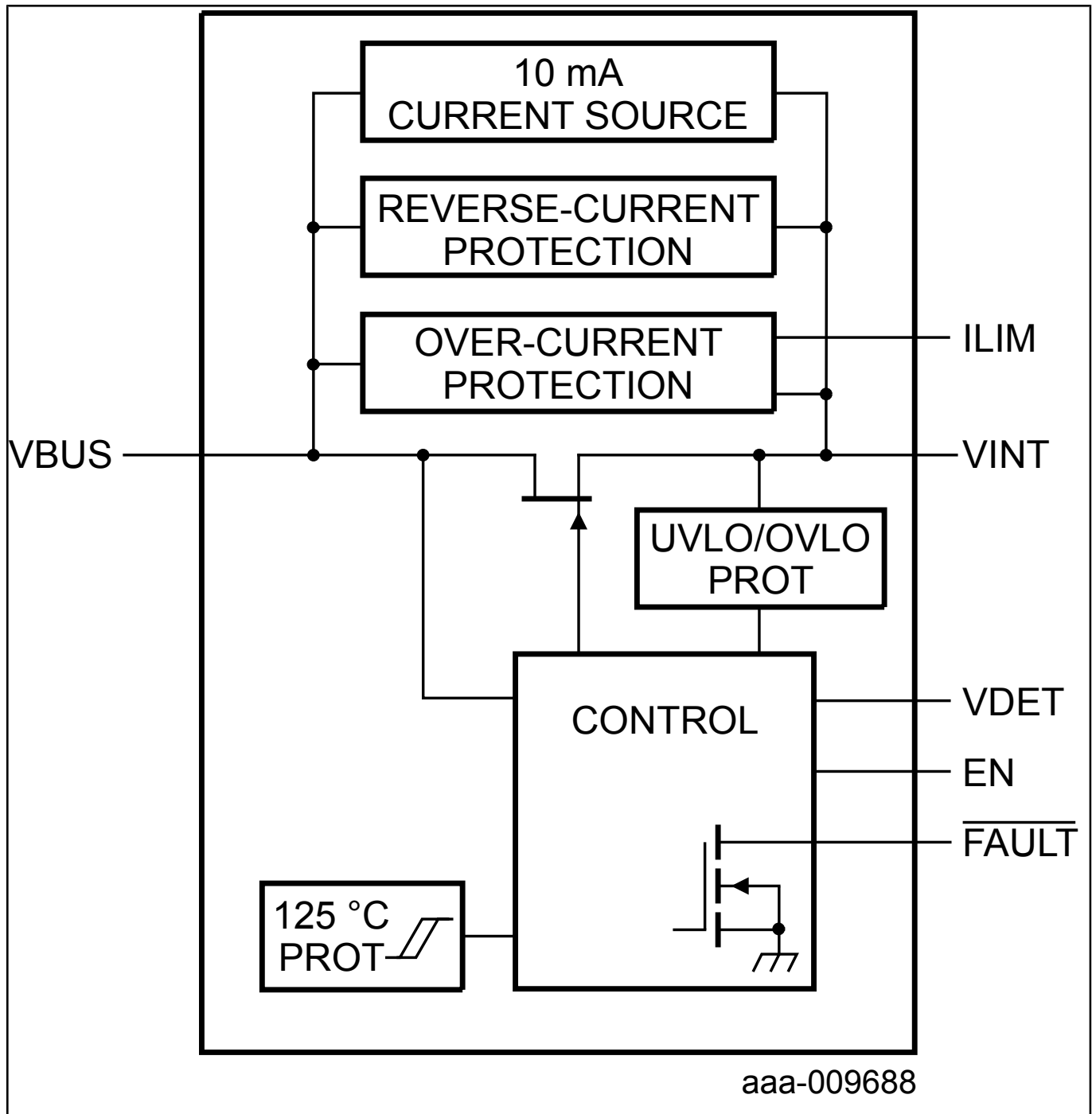
このページには、製造中止（生産終了）となった製品の情報が記載されています。本ページに記載されている仕様および情報は、過去の参考情報です。

Last Updated: Jul 13, 2023

The NX5P2190 is an advanced power switch with adjustable current limit. It includes under-voltage and over-voltage lockout, over-current, over-temperature, reverse bias and in-rush current protection circuits. These circuits are designed to isolate a voltage source from a VBUS interface pin automatically when a fault occurs. The device features two power switch terminals, one input (VINT) and one output (VBUS). A current limit input (ILIM) defines the over-current and in-rush current limit, and a voltage detect output (VDET) monitors the voltage level on VBUS. An open-drain fault output (FAULT) indicates when a fault condition occurs. An enable input (EN) controls the state of the switch. When EN is set LOW the device enters a low-power mode, disabling all protection circuits except the under-voltage lockout. The low-power mode can be entered at anytime unless the over temperature protection circuit has been triggered.

Designed for operation from 3 V to 5.5 V, the NX5P2190 is a complete solution for power domain isolation and protection applications. The enable input includes integrated logic level translation making the device compatible with lower voltage processors and controllers.

NX5P2190 Block Diagram Block Diagram



View additional information for [Logic-Controlled High-Side Power Switch](#).

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. © 2024 NXP B.V.