



# Logic-Controlled High-Side Power Switch

## NX5P2190UK

### Archived

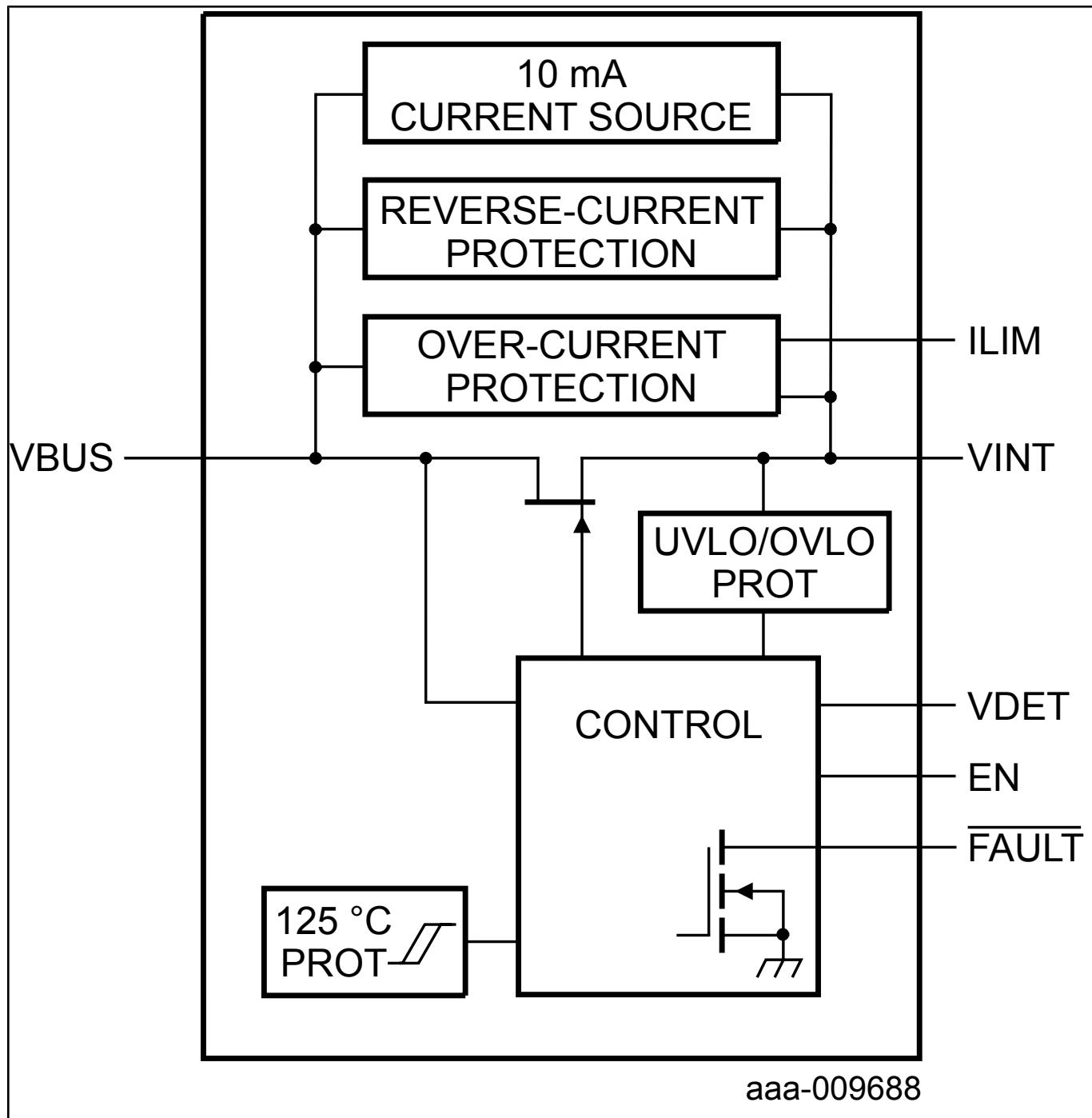
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The NX5P2190 is an advanced power switch with adjustable current limit. It includes under-voltage and over-voltage lockout, over-current, over-temperature, reverse bias and in-rush current protection circuits. These circuits are designed to isolate 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](#).

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