



UART to I²C-Bus Bridge

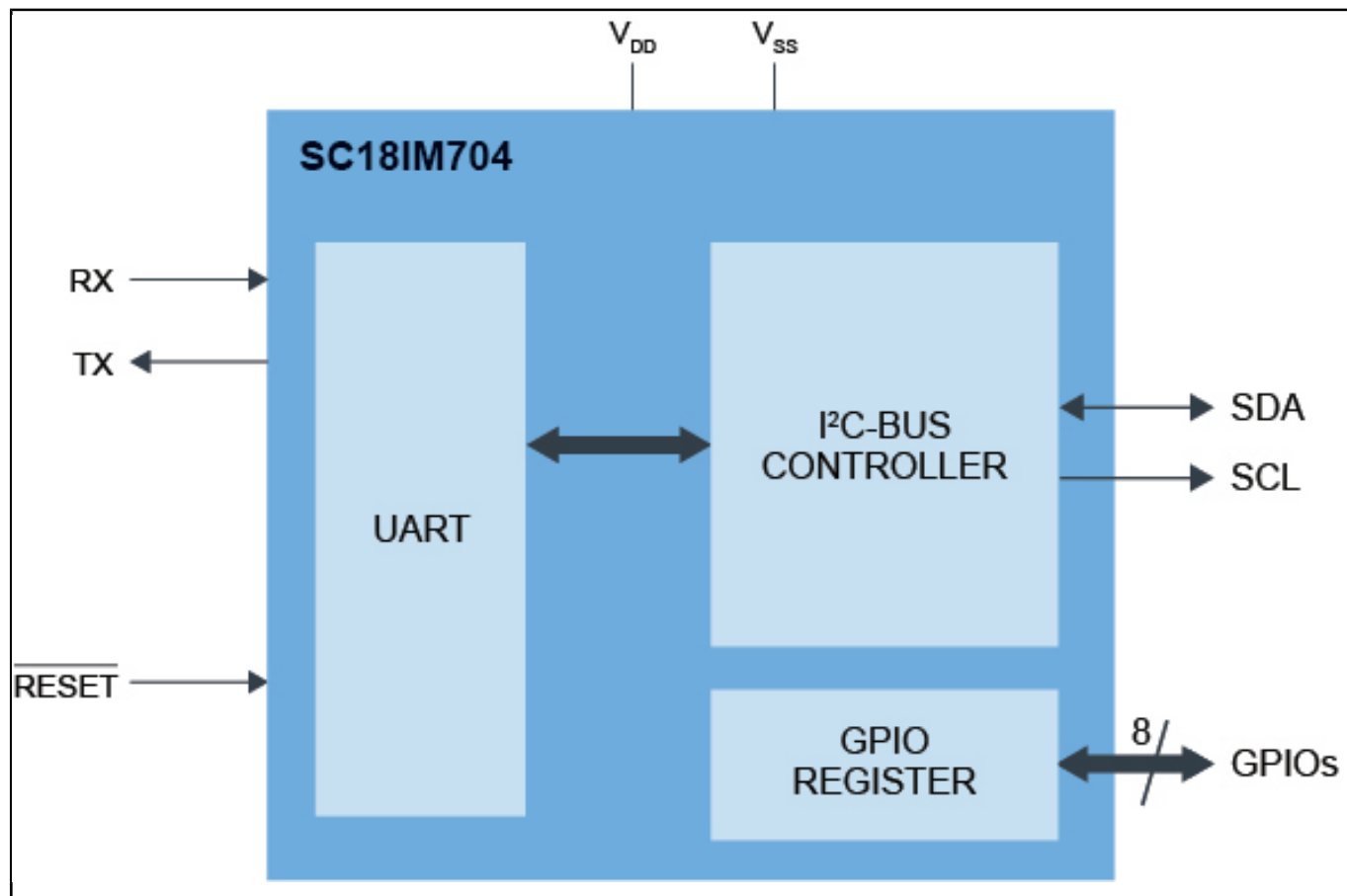
SC18IM704

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SC18IM704 is designed to serve as an interface between the standard UART port of a microcontroller or microprocessor and the serial I²C-bus; this allows the microcontroller or microprocessor to communicate directly with other I²C-bus devices. SC18IM704 can operate as an I²C-bus controller. SC18IM704 controls all the I²C-bus specific sequences, protocol, arbitration and timing. The host communicates with SC18IM704 with ASCII messages protocol; this makes the control sequences from the host to SC18IM704 become very simple.

SC18IM704 is a functional replacement for SC18IM700 with exception of: new pinout, GPIO without quasi bidirectional mode, operating supply voltage lower level to 1.71 V vs 2.4 V and temperature range of -40 °C to 105 °C vs -40 °C to 85 °C.

SC18IM704PW Block Diagram



View additional information for [UART to I²C-Bus Bridge](#).

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

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