I2C-Bus Controller

PCF8584

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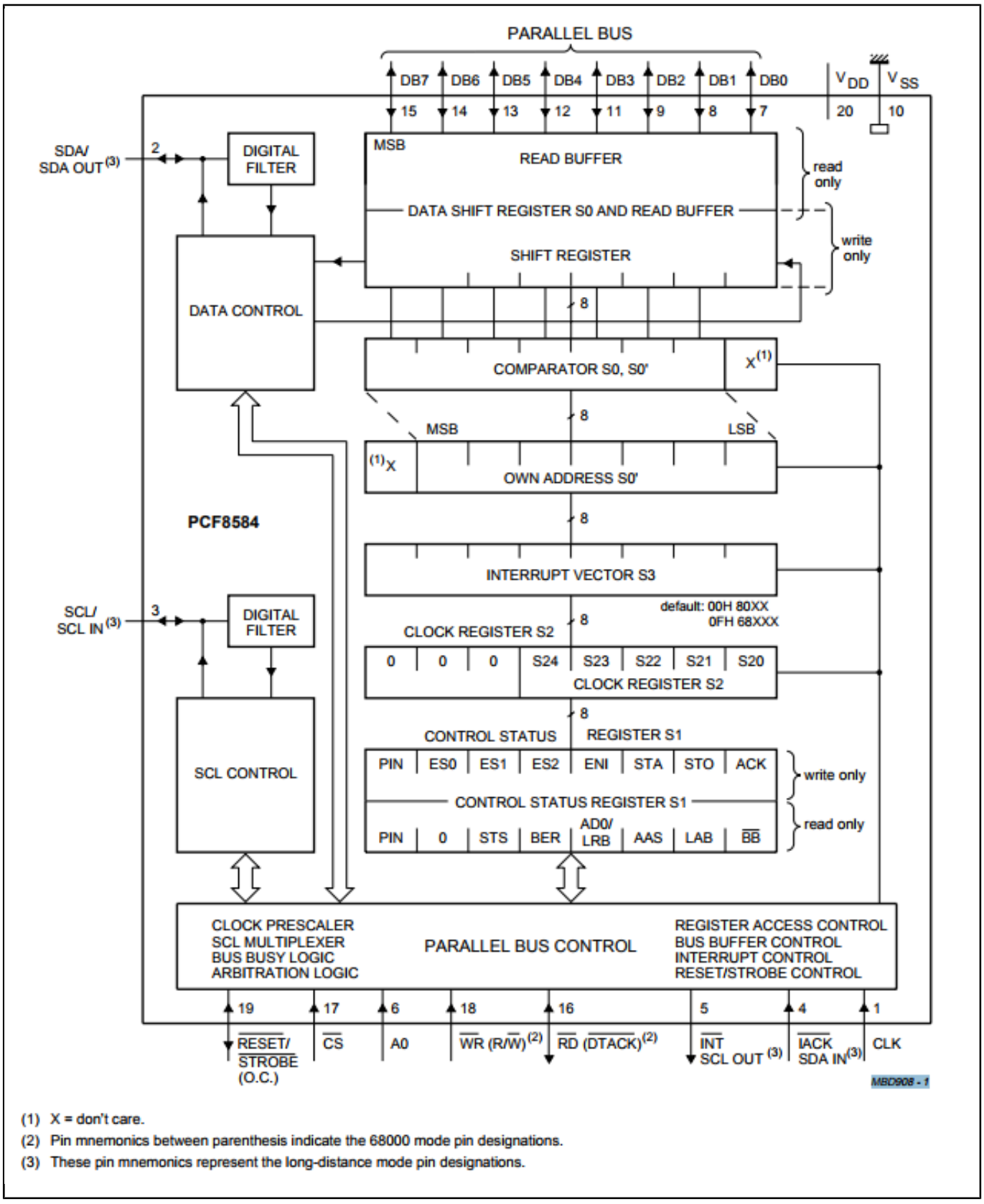
The PCF8584 is an integrated circuit designed in CMOS technology which serves as an interface between most standard parallel-bus microcontrollers/microprocessors and the serial I²C-bus. The PCF8584 provides both controller and target functions.

Communication with the I²C-bus is carried out on a byte-wise basis using interrupt or polled handshake. It controls all the I²C-bus specific sequences, protocol, arbitration and timing. The PCF8584 allows parallel-bus systems to communicate bidirectionally with the I²C-bus.

PCF8584 Block Diagram Block Diagram



(1) X = don't care.
(2) Pin mnemonics between parenthesis indicate the 68000 mode pin designations.
(3) These pin mnemonics represent the long-distance mode pin designations.

View additional information for I2C-Bus Controller.

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

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