



I³C, I²C-Bus, ± 0.5 °C Accuracy, Digital Temperature Sensor

P3T1035xUK

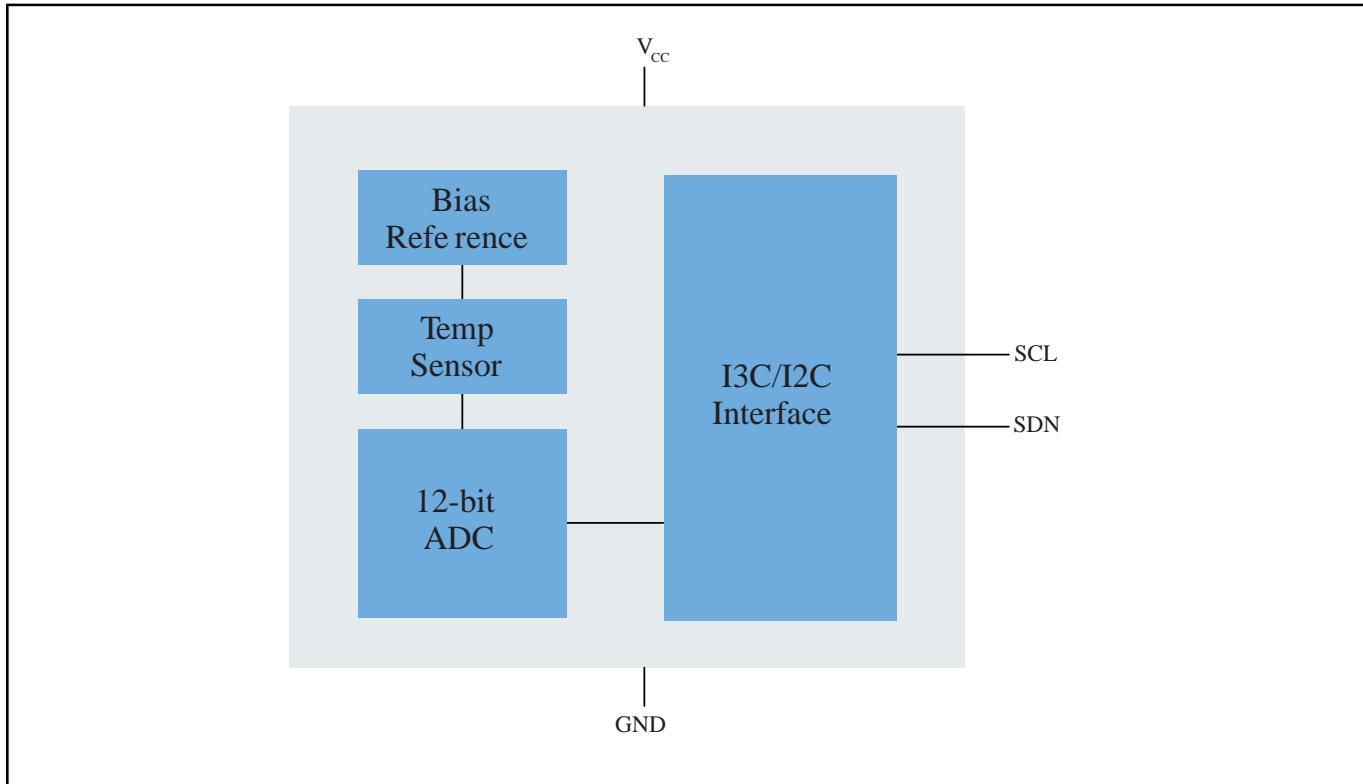
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P3T1035xUK is a temperature-to-digital converter from -40 °C to +125 °C range. It uses an on-chip band gap temperature sensor and A-to-D conversion technique with an overtemperature detection.

The temperature register always stores a 12 bit two's complement data, giving a temperature resolution of 0.0625 °C.

P3T1035xUK can be configured for different operation conditions: continuous conversion and one-shot. The P3T1035xUK is available in WLCSP4 package and has 8 factory-programmed device address options.

I3C, I²C-Bus, ± 0.5 °C Accuracy, Digital Temperature Sensor Block Diagram



[View additional information for I3C, I²C-Bus, \$\pm 0.5\$ °C Accuracy, Digital Temperature Sensor.](#)

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