



# I3C, I2C-Bus, $\pm 0.5$ °C Accuracy, Digital Temperature Sensor

## P3T1035xUK

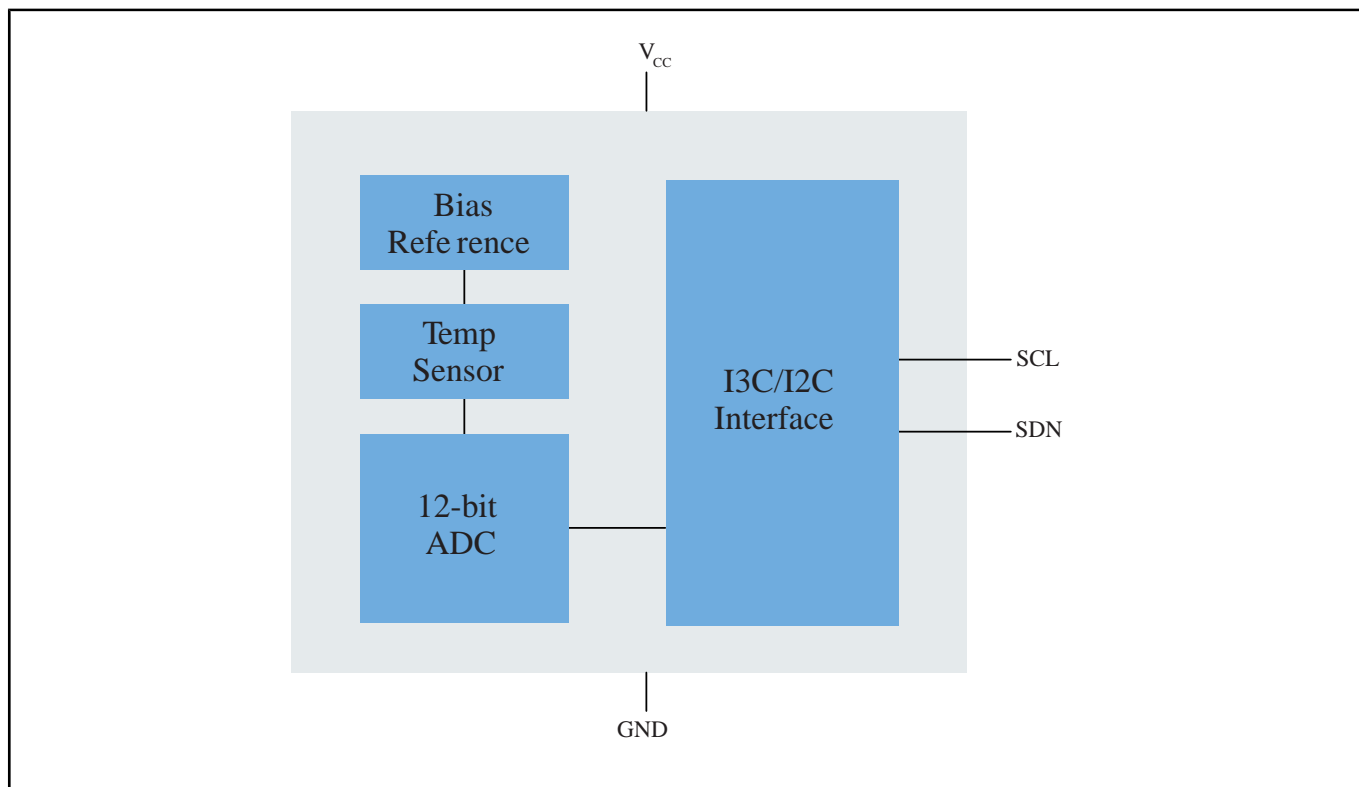
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P3T1035xUK is a temperature-to-digital converter from  $-40$  °C to  $+125$  °C range. It uses an on-chip band gap temperature sensor and A-to-D conversion technique with an overtemperature detection.

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, $\pm 0.5$ °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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