



I³C/I²C总线精确数字温度传感器，精度为±0.5°C

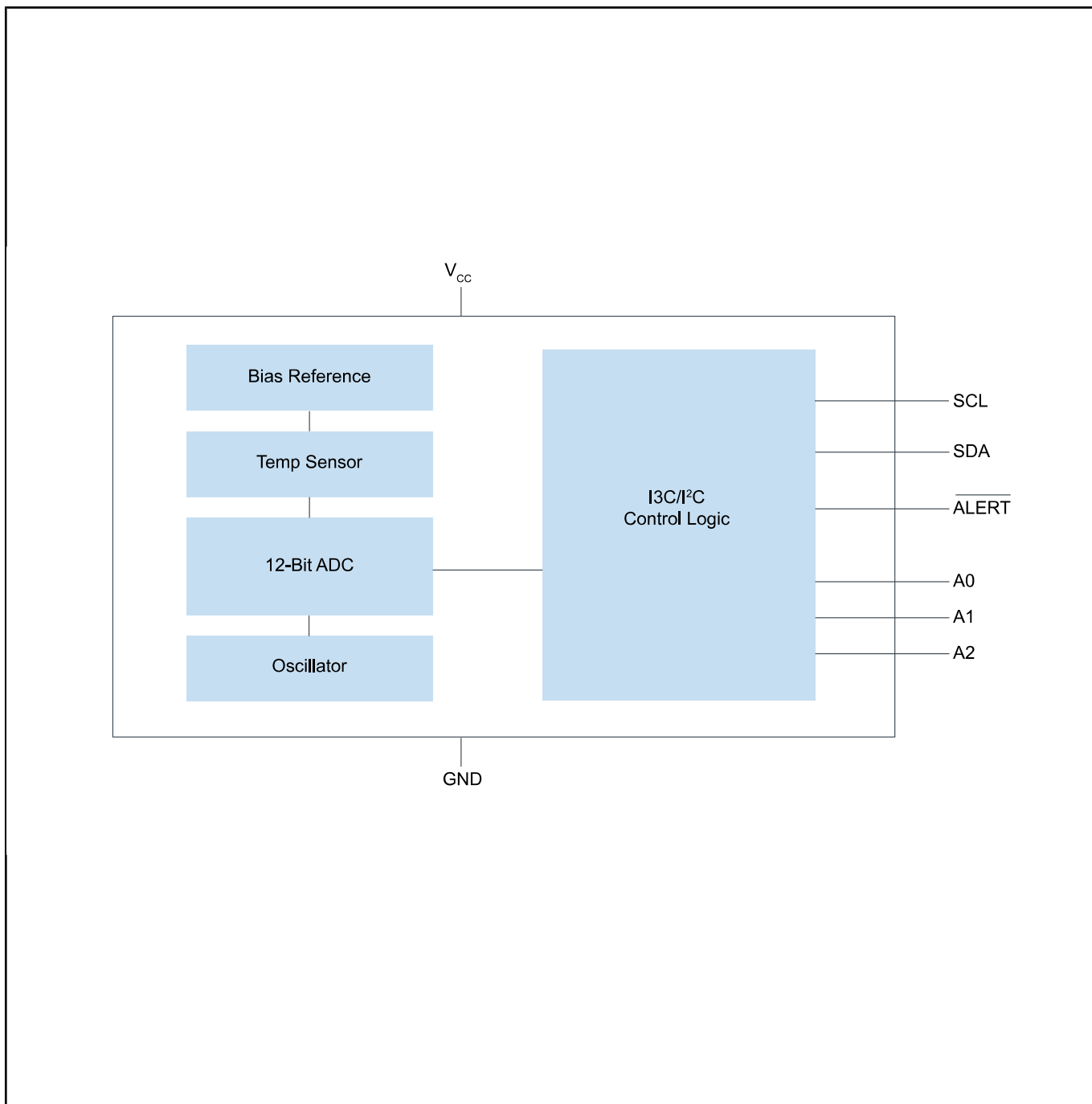
P3T1755DP

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P3T1755DP是精确的温度数字转换器，精度为±0.5°C，温度范围为-40°C到+125°C。它搭载了片上带隙温度传感器，采用模数转换技术，具有过温检测功能。温度寄存器始终存储12位二进制补码数据，温度分辨率为0.0625°C。P3T1755DP可配置为不同的工作模式：连续转换模式、单一转换模式或关闭模式。

该器件支持2线串行I³C(高达12.5MHz)和I²C(高达3.4MHz)作为通信接口。在I²C中，该器件最多支持4个目标地址和警报功能。在I³C中，该器件支持带内中断功能(IBI)，使用同一总线报告警报中断。

P3T1755DP Block Diagram



View additional information for [I3C/I²C总线精确数字温度传感器，精度为±0.5°C](#).

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