

Analog IP

Temperature Sensor

Overview

The Renesas Temperature Sensor IP including Analog Buffer outputs an analog voltage which corresponds to the detected temperature of LSI.

Technology

Process: TSMC T22ULP

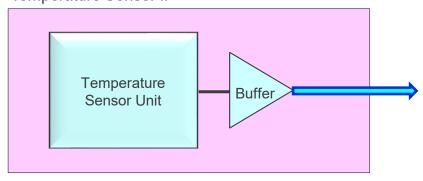
Features

- Power Supply
 - VCC(Analog)=1.7 1.9V
 - VDD(Digital)=0.81 1.05V
- Temperature Range : -40 125°C
- Relative Temperature Accuracy (*Note): -7 +7°C

*Note: 2 points calibration is needed every IP.

Block diagram

Temperature Sensor IP



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