

# SIVI-SDADC1601

TSMC 180nm (1P4M)



## MAIN FEATURES

- Designed on TSMC 180nm
- 16 bit low power sigma delta ADC
- Operates from a 3.3V supply voltage
- 0 to 1.2V input differential dynamic range
- Low current consumption
- Small silicon area <40000um<sup>2</sup>
- Operational temperature range from -40°C to 125°C

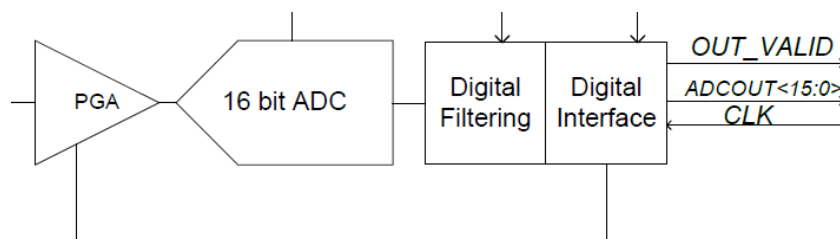
## IP DESCRIPTION

Silicon Vision SiVi-SDADC1601 offers a high performance and cost-effective solution for monitoring ADCs. The IP uses a sampling clock of 8MHz with a throughput of 15.625Ksps. Silicon Vision SiVi-SDADC1601 consumes less than 800μA which makes it suitable for low power state of the art SoCs.

The IP was implemented on TSMC 180nm LP

## APPLICATIONS

- Accurate Temperature Sensing
- Monitoring Analogue Voltages or Currents from External Sensing Devices



**Block Diagram for SiVi-SDADC1601**



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