

SIVI-SDADC1603

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 2.4V input differential dynamic range
- Low current consumption
- Small silicon area $< 40000 \mu\text{m}^2$
- Operational temperature range from -40°C to 125°C

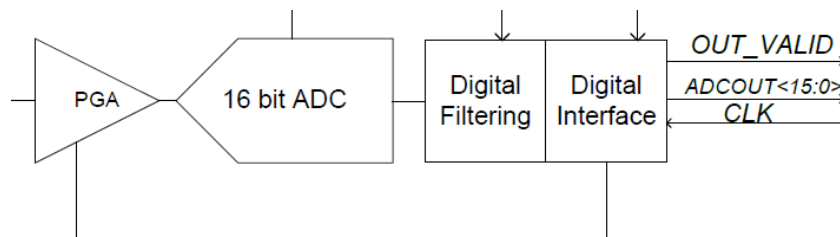
IP DESCRIPTION

Silicon Vision SiVi-SDADC1603 offers a high performance and cost-effective solution for monitoring ADCs. The IP uses a sampling clock of 16MHz with a throughput of 31.25Ksps. Silicon Vision SiVi-SDADC1603 consumes less than 3mA 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-SDADC1603



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