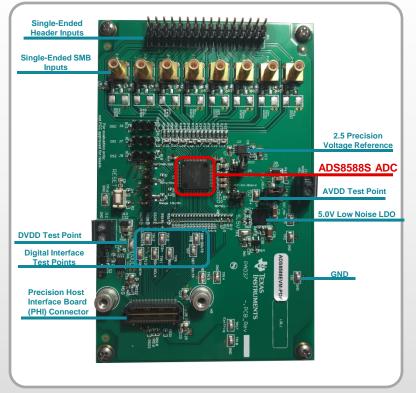
ADS8588S EVM Board



More information about Precision Analog SAR ADCs can be found at http://www.ti.com/precisionadc

Quick Start Guide: ADS8588SEVM-PDK



TEXAS INSTRUMENTS

The ADS8588S Performance Demonstration Kit (PDK) is ideal for evaluating and starting development with the ADS8588S precision analog to digital converter. This kit is comprised of an ADC evaluation board (EVM), a precision host interface board (PHI), a micro USB cable and board attachment screws. The EVM features eight SMB connectors that support single-ended analog input signals for the ADC. The ADS8588S transfers data to the PHI board via SPI. An easy to use PC based application (GUI) is available to help evaluate the performance of the ADC on the ADS8588S EVM.

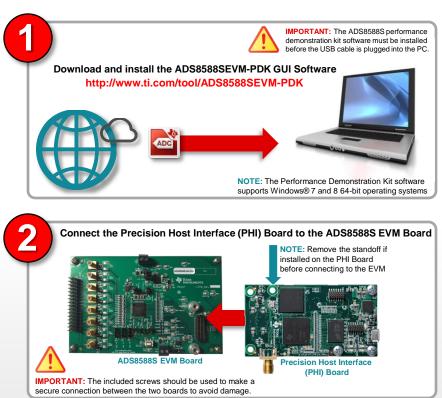
ADS8588SEVM-PDK Features:

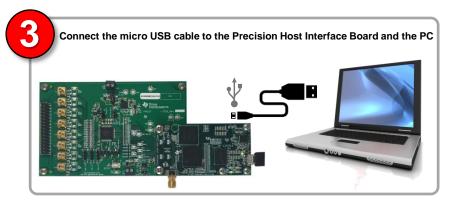
- 64 Pin LQFP ADS8588S 16-bit, 8 ch SIMSAM, 200 kSPS/ch ADC
- REF5025 precision voltage reference
- TPS7A4700 low noise LDO
- TPS3836K33 supervisor
- 8 single-ended SMB input connectors
- Micro USB PC interface

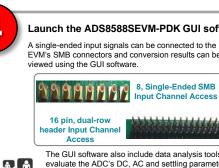
IMPORTANT: The ADS8588S performance demonstration kit software must be installed before the USB cable is plugged into the PC. The software may be downloaded from htp://www.ti.com/tool/ADS8588SBEVM-PDK/

The complete user guide for the kit can be found at http://www.ti.com/lit/pdf/sbau278

Quick Start Guide: ADS8588S SAR ADC **Performance Demonstration Kit**







Launch the ADS8588SEVM-PDK GUI software on the PC from the 'Start' menu

A single-ended input signals can be connected to the EVM's SMB connectors and conversion results can be



The GUI software also include data analysis tools to evaluate the ADC's DC, AC and settling parameters.

TI E2E' Technical support for Precision ADCs can be found at http://www.ti.com/precisionadcsupport

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