

Analog Digital Converter (ADC) Overview

- 10-bit Successive Approximation Converter (+/-2LSB, 2,85µs), up to 16 analog inputs
- Integrated Sample and Hold Functionality
- Analog Range from 0V to 5V
- Support of Different Conversion Modes
 - Fixed Channel Single Conversion
 - Fixed Channel Continuous Conversion
 - Auto Scan Single Conversion
 - Auto Scan Continuous Conversion
 - Wait for Result Read and Start Next Conversion
 - Channel Injection during Group Conversion

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- Flexible Programmable Conversion and Sample Timing Scheme
- DMA (PEC) Support for Result Transfer to Memory Location
- Automatic self-calibration to changing temperature or process variations
- Power-Down Feature of the A/D Converter

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