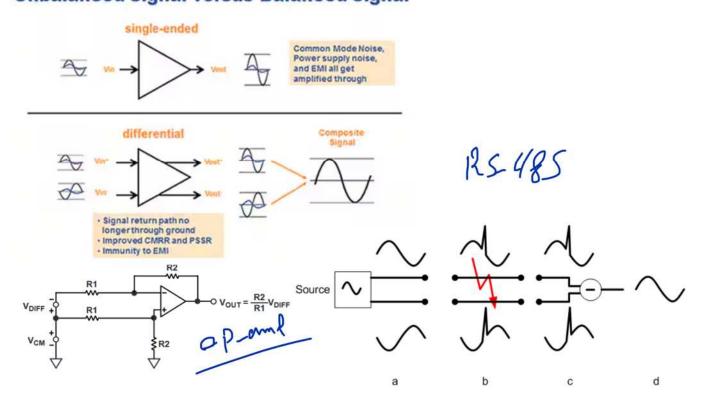
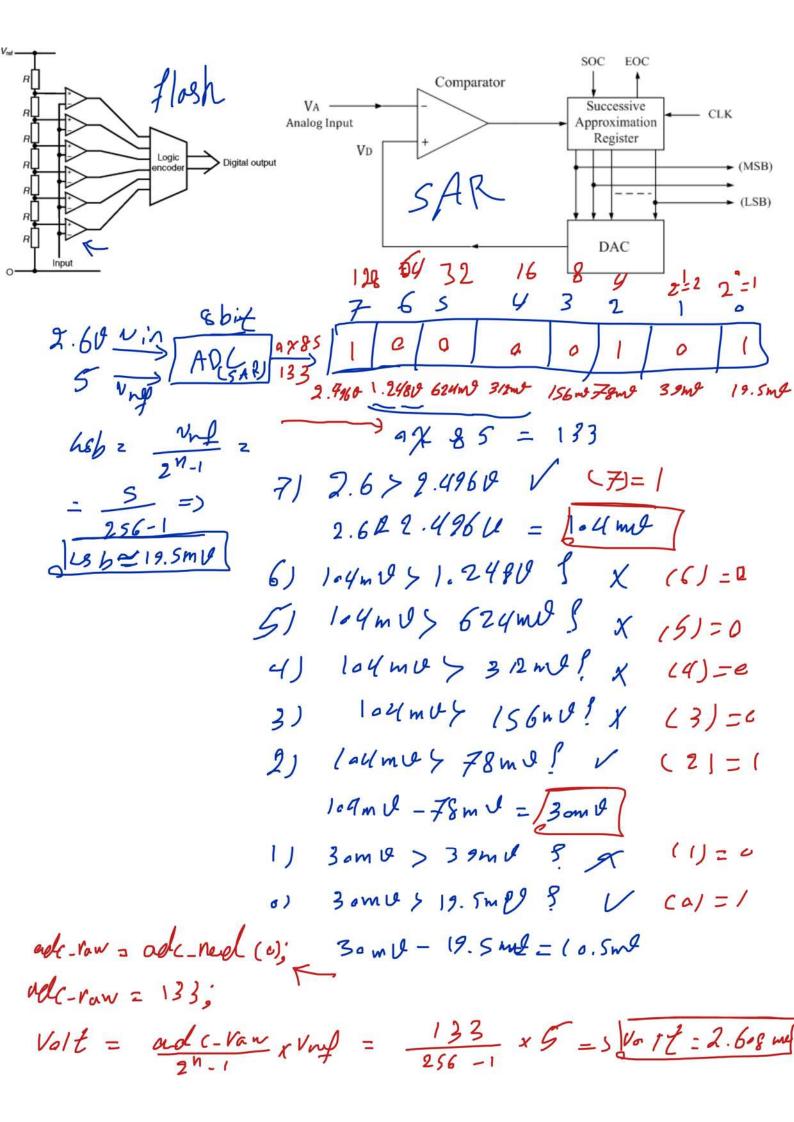
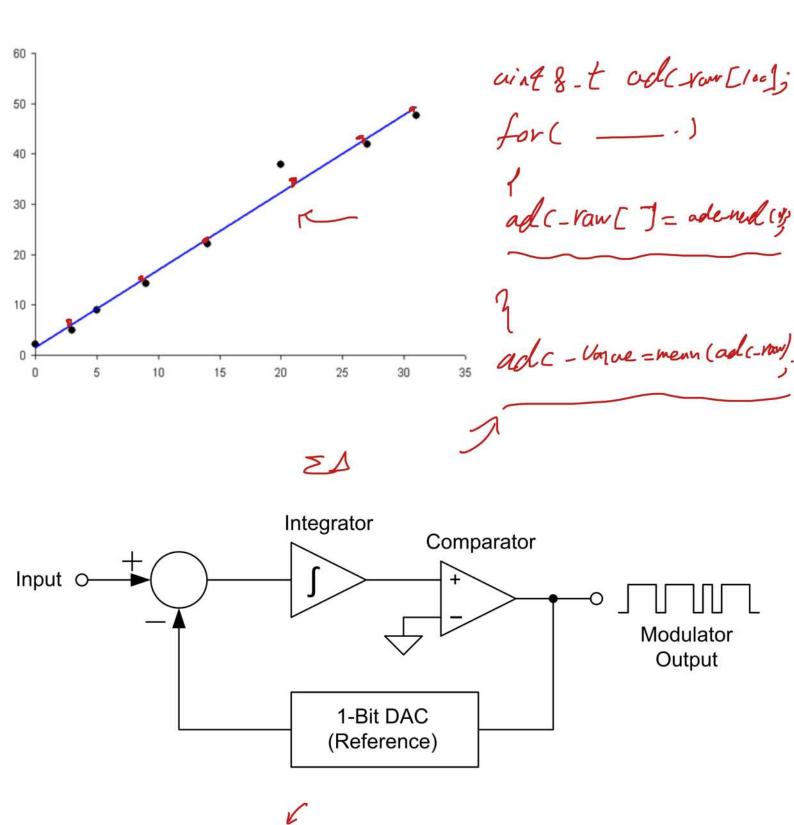


Unbalanced Signal versus Balanced Signal



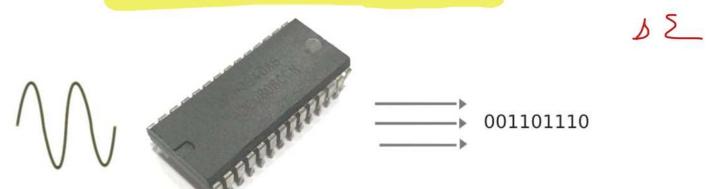


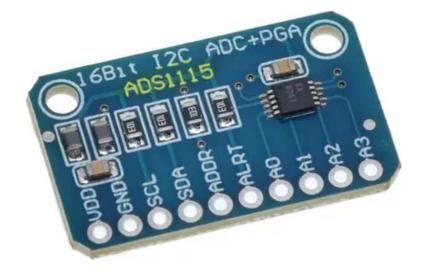


ADC Architecture	Resolution	Sample Rate	Power	Cost
Flash	8-Bit	Very High	High	High
C - SAR	8- to 16-Bit	Mid to High	Medium	Low to Mid
05 Delta-Sigma	up to 32-Bit	Low	Low	Low to Mid

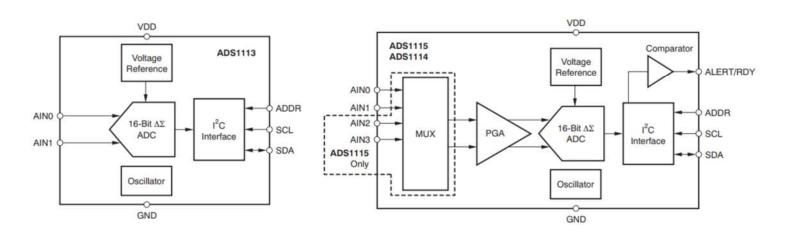
12 bi2 16bi2

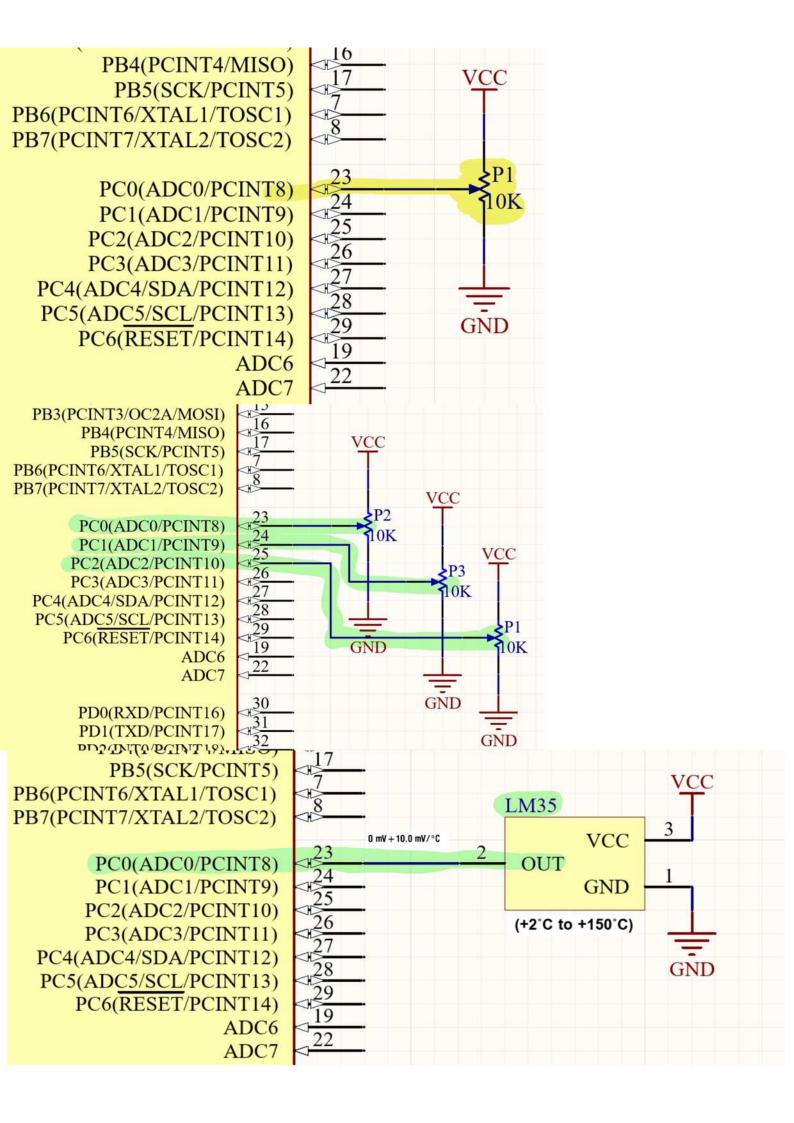
Analog to Digital Converters

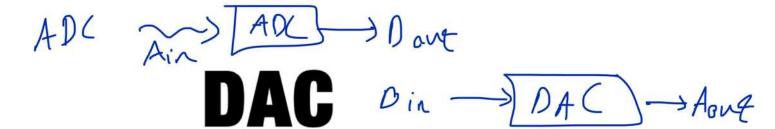




- WIDE SUPPLY RANGE: 2.0V to 5.5V
- LOW CURRENT CONSUMPTION: Continuous Mode: Only 150µA
 Single-Shot Mode: Auto Shut-Down
- PROGRAMMABLE DATA RATE: 8SPS to 860SPS
- INTERNAL LOW-DRIFT VOLTAGE REFERENCE
- INTERNAL OSCILLATOR
- INTERNAL PGA
- I²C™ INTERFACE: Pin-Selectable Addresses
- FOUR SINGLE-ENDED OR TWO
 DIFFERENTIAL INPUTS (ADS1115)
- PROGRAMMABLE COMPARATOR (ADS1114 and ADS1115)







DIGITAL TO ANALOG CONVERTER



Digital to Analog Converter (DAC) and Its
Applications

