

OKI Semiconductor

MSM5218

ADPCM Voice Analysis/Synthesis IC

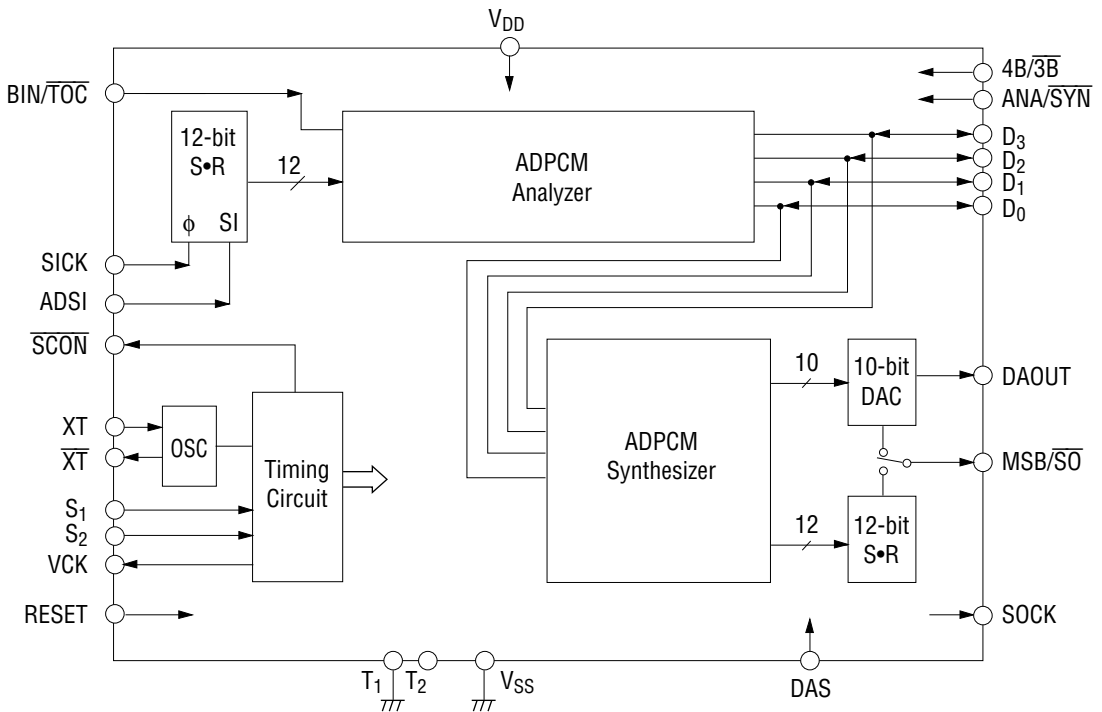
GENERAL DESCRIPTION

The MSM5218 is a complete voice analysis/synthesis IC featuring the Adaptive Differential Pulse Code Modulation (ADPCM) method of data compression. The MSM5218 contains an analysis stage where serial PCM data is compressed to 3- or 4-bit parallel ADPCM data. In addition, a synthesis stage synthesizes PCM data from ADPCM data.

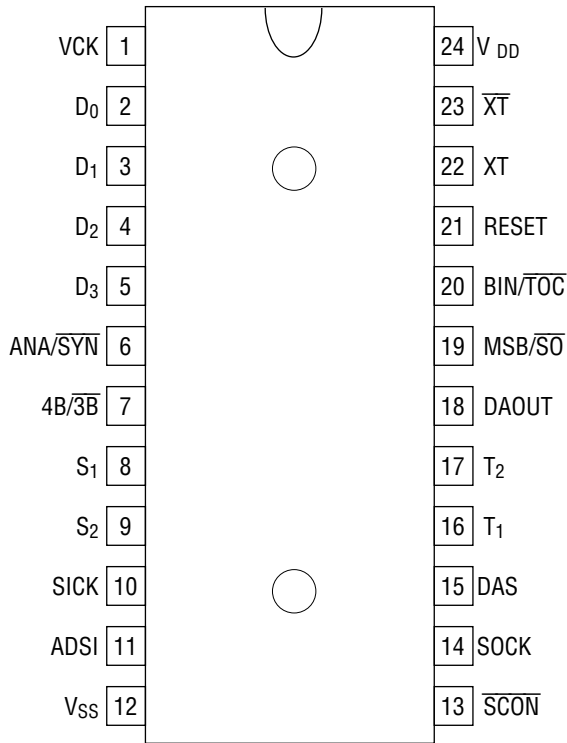
FEATURES

- ADPCM data compatible with OKI's synthesis IC MSM5205
- Analysis/synthesis switching pin provided
- Lower power consumption achieved by one-chip CMOS IC
- Built-in 10-bit D/A converter for analog output
- Variable sampling frequency (4 kHz, 6 kHz, 8 kHz)
- Master clock frequency: 384 kHz
- Package: 24-pin plastic DIP (DIP24-P-600) (Product name: MSM5218RS)

BLOCK DIAGRAM



PIN CONFIGURATION (TOP VIEW)

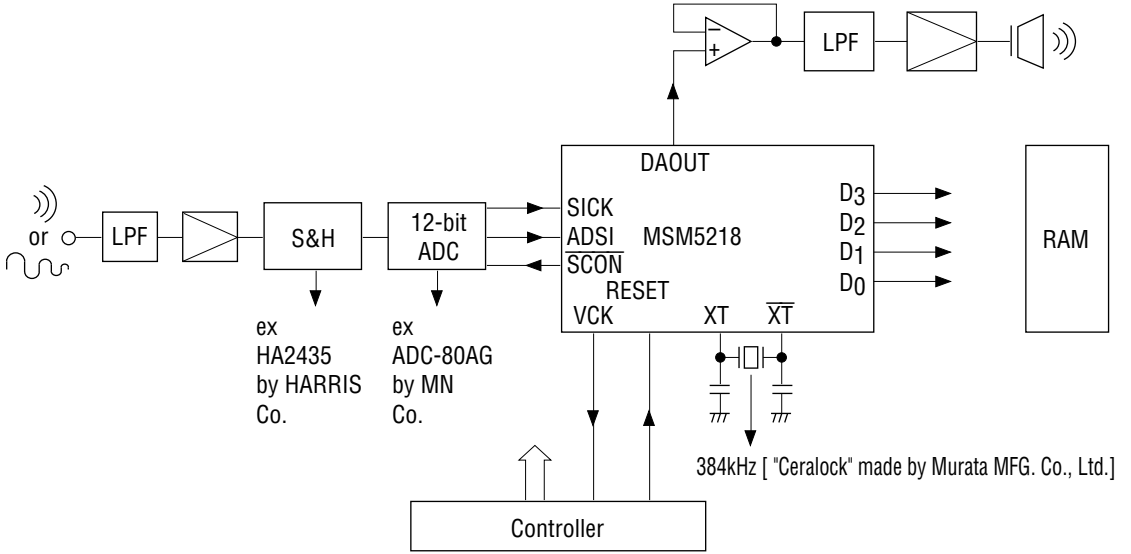


24-Pin Plastic DIP

Note: The product name actually printed on the product is "M5218".

APPLICATION CIRCUITS

Example where a 12-bit AD Converter is Connected



Voice Analysis/Synthesis Circuit Example (When ADC-80AG by MN Co. is Used)

