

AUDIOLOGIC INC.

AUDIO CONVERTER

TECHNICAL DATA

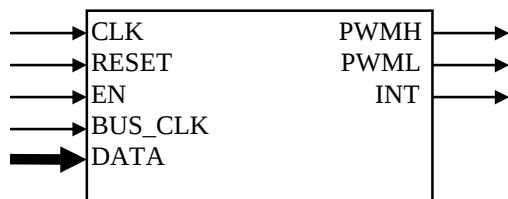
Digital-to-Analog Converter DAC16

The AudioLogic DAC16 is a 16 bit Delta-Sigma/PWM converter available as a core peripheral.

DAC16 Features:

- Consumes 50 microwatts per channel at 16 kHz sample rate
- Operates on 1 Volt supply
- 90dB SNR
- 1 bit output at 512FS
- Low clock jitter sensitivity

DAC16 INTERFACE PORT



Signal Descriptions

CLK	Clock Input must be 512FS
RESET	Active low input - assertion synchronously resets internal registers and holds DAC inactive
DATA(0-15)	Data bus for transferring audio samples to DAC
EN	Active high input causes data on the DATA bus to be latched on the rising edge of BUS_CLK
INT	Active high output indicates completion of a conversion cycle
PWMH/L	Balanced PWM output