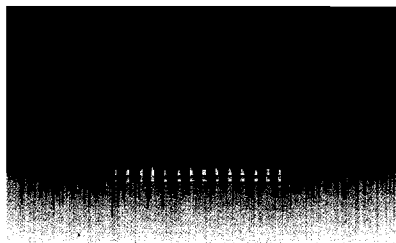




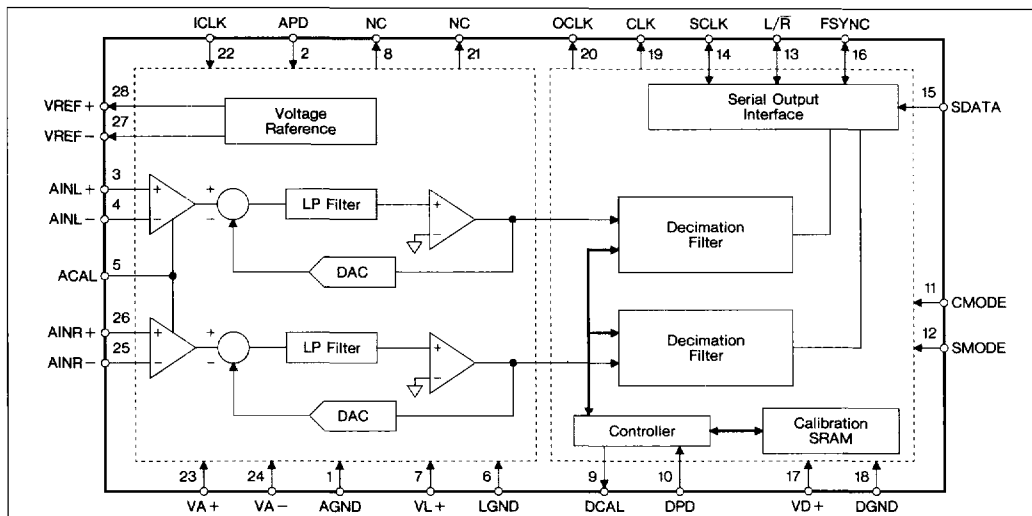
AK5340/A/B

18bit ADC



28pin SOP (7.5×18.7×2.2mm)

- ① +5V Single Supply 18 bit 2ch A/D Converter
- ② 5th Order Delta-Sigma A/D Converter
- ③ On-chip Digital Anti-Alias Filter
- ④ On-chip S/H circuitry and Voltage Reference
- ⑤ 64 X over sampling
- ⑥ 2ch Simultaneous Sampling
- ⑦ Single End Inputs available
- ⑧ Sampling Rate: max. 50kHz (AK5340/B)
max. 98kHz (AK5340A)
- ⑨ S/N: 96dB (AK5340/A)
100dB (AK5340B)
- ⑩ Linear Phase Digital Filter
 - Passband: 0 to 22kHz
 - Passband ripple: 0.01dB
 - Stopband attenuation: 88dB
- ⑪ Low Power Dissipation: 125mW (AK5340/B)
210mW (AK5340A)
- ⑫ Package: 28 pin SOP



AK5340/A/B BLOCK DIAGRAM

AKD5340

AK5340/A/B Evaluation Board

The AKD5340 is an evaluation board for the AK5340/A/B digital audio 16/18bit A/D converters. The AKD5340 includes the input buffer circuit and also has a digital interface transmitter. Further, the AKD5340 can evaluate direct interface with AKD4328, AKD4303, AKD4310, AKD4311, AKD4320 and AKD4319. The AKD5340 has an SOP socket (Matsushita Electric Works, AXS628319) for AK5340/A/B which enables easier to change device.

- ① On-board differential input buffer circuit
- ② On-board clock generator
- ③ Compatible with 2 types of interface
 - Direct interface with AKD4328, AKD4303, AKD4310, AKD4311, AKD4320 and AKD4319.
 - On-board CS8402 as DIT which transmits optical output.
- ④ BNC connector for an external clock input.

AK5343

16bit ADC

- ① +3.3V single supply 16 bit 2ch A/D Converter
- ② 4th Order Delta-Sigma A/D Converter
- ③ On-chip Digital Anti-Alias Filter
- ④ On-chip S/H circuitry and Voltage Reference
- ⑤ 64 X over sampling
- ⑥ 2ch Simultaneous Sampling
- ⑦ S/N: 91dB
- ⑧ Serial Interface
- ⑨ Low Power Dissipation: 100mW
- ⑩ Low Voltage Operation: +3.0V to +3.6V
- ⑪ Compatible with AK5344 & AK5345
- ⑫ Package: 28 pin SOP (7.5×18.7×2.2mm)