

AK8501A/B

Hard Disk Drive Read Channel

- ① Data rate:
 - max. 60Mbps (AK8501A), max. 48Mbps (AK8501B)
- ② Operating voltage range: 4.5V~5.5V (AK8501A)
3.0V~3.6V (AK8501B)
- ③ AGC Amplifier
- ④ Programmable filter
 - Pulse Sliming
- ⑤ Pulse detector
- ⑥ Frequency synthesizer
- ⑦ RLL (1,7)
 - Encoded write data differential output
- ⑧ Sequential servo input control
- ⑨ Low power full CMOS
 - 4 power down modes
- ⑩ Package: 64pin LQFP (10×10×1.7mm)

AK8551

PD Drive Read Channel

- ① Data Rate:
 - PCR: (2,7)RLL: 7.25Mbps~20Mbps
 - CD: 8X
- ② AGC Amplifier (PCR, CD common)
- ③ Programmable Filter (PCR, CD) Asymmetrical pulse sliming
- ④ Pulse detector (PCR)
- ⑤ Frequency synthesizer (PCR, CD common)
- ⑥ Sleep mode (500 μ W)
- ⑦ Low power full CMOS
- ⑧ Package: 64pin LQFP (10×10×1.7mm)