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AK8446BVN

MP

6 ch AFE with 10-bit 50MSPS/ch ADC and TG for Linear CCD

Description

The AK8446B is 50MSPS/ch analogue front end IC for Linear CCD sensor, which integrates six channels of correlated double sampling (CDS), 10-bit analog-to-digital converter, on-chip Offset Adjust DAC, PGA, LVDS_if and Timing Genrater for CCD control.

Key Features

- It has a CCD linear sensor interface, a black level cancel circuit, a programmable gain amplifier, and a timing generator.

Applications

Scanners, copiers, etc.

Specifications

Product Information

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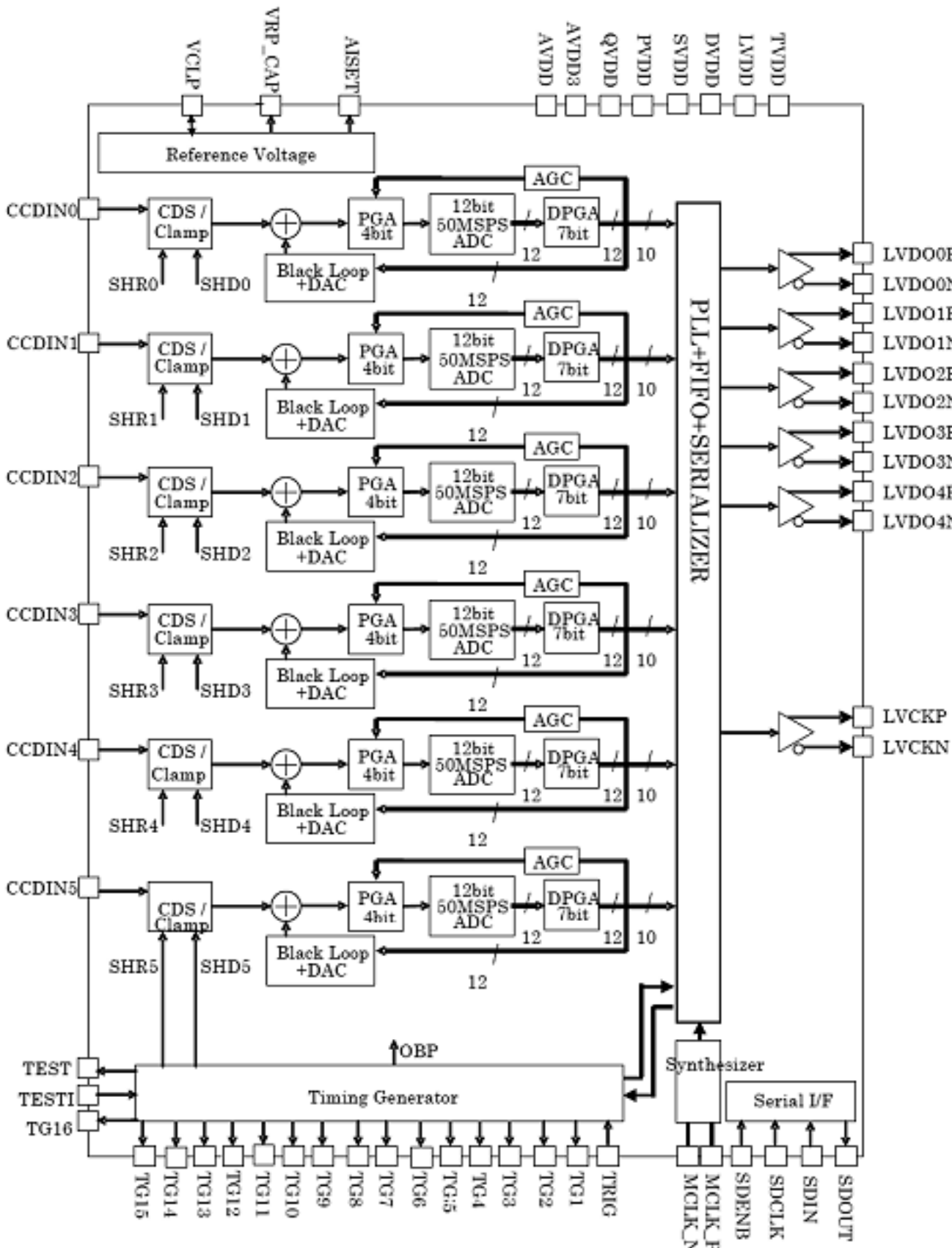
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Sensor Type	CMOS / CCD	Packaging	TRAY
Power Supply Voltage (MIN.) [V]	1.7 , 3.0	JEDEC Standard Packaging	Compliant
Power Supply Voltage (TYP) [V]	1.8 , 3.3	Minimum Order Quantity [pcs.]	168
Power Supply Voltage (MAX.) [V]	2.0 , 3.6	Replacement P/N	
Output Type	LVDS		
Other			
Operating Temperature [°C]	-10 to 85		
Device Package	HVQFN		
Number of Pins	72		

Block Diagram



Quality Data

The AKM Group prepares [quality data](#).

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