

AK8442AVQ

NRND

16 bit 35 MSPS/ch 3ch video ADC & CCD interface with internal TG

Description

The AK8442A comprises an A/D converter consisting of a 3.3 V 16 bit 3-channel 35 MSPS/channel CMOS with integrated CDS circuitry and TG for linear CCD drive. It is optimized for scanner and copier applications.

Applications

- linear CCD drive

Specifications

Part Number	AK8442AVQ
Number of Input Channels	3
Maximum Conversion Rate [MSPS/Ch]	35
ADC Resolution [bit]	16
Sensor Type	CCD
Power Supply Voltage (MIN.) [V]	3.0
Power Supply Voltage (TYP.) [V]	3.3
Power Supply Voltage (MAX.) [V]	3.6
Output Type	LVDS
Other	
Operating Temperature [°C]	0 to 70
Device Package	LQFP
Number of Pins	80

Product Information

Part Status	NRND
Pb Free	Yes
Halogen Free	No
MSL	MSL2
Packaging	TRAY
JEDEC Standard Packaging	Compliant
Minimum Order Quantity [pcs.]	1190
Recommended Order Quantity 1 [pcs.]	4760
Recommended Order Quantity 2 [pcs.]	2380
Standard Packing Quantity [pcs.]	0
Replacement P/N	

Block Diagram

