Video Encoder, Digital Input, Analogue Output, 11Bit, 1.71V to 1.89V, LQFP-64

Manufacturers	Analog Devices, Inc
Package/Case	LQFP-64
Product Type	Interface - Encoders, Decoders, Converters
RoHS	Pb-free Halide free
Lifecycle	

Images are for reference only

Please submit RFQ for ADV7343BSTZ or Email to us: sales@ovaga.com We will contact you in 12 hours.

RFQ

General Description

The ADV7342/ADV7343 are high speed, digital-to-analog video encoders in a 64-lead LQFP package. Six high speed, 3.3 V, 11-bit video DACs provide support for composite (CVBS), SVideo (Y/C), and component (YPrPb/RGB) analog outputs in either standard definition (SD), enhanced definition (ED), or high definition (HD) video formats.

The ADV7342/ADV7343 each have a 24-bit pixel input port that can be configured in a variety of ways. SD video formats are supported over a SDR interface and ED/HD video formats are supported over SDR and DDR interfaces. Pixel data can be supplied in either the YCrCb or RGB color spaces.The parts also support embedded EAV/SAV timing codes,external video synchronization signals, and the I2C communication protocol.

In addition, simultaneous SD and ED/HD input and output aresupported. 216 MHz (SD and ED) and 297 MHz (HD) oversampling ensures that external output filtering is not required, while full-drive DACs ensure that external output buffering is not required.

Cable detection and DAC auto power-down features keeppower consumption to a minimum.

Features

1.8V/3.3V interface support

74.25 MHz 20-/30-bit high definition input support

6, 11-bit, 297 MHz video DACs

NTSC M, PAL B/D/G/H/I/M/N, PAL 60 support

NTSC and PAL square pixel operation (24.54 MHz/29.5 MHz)

Multiformat video input support

Multiformat video output support

Simultaneous SD and ED/HD operation

Programmable features

Copy generation management system (CGMS)

Closed captioning and wide screen signaling (WSS)

Integrated subcarrier locking to external video source

Qualified for automotive applications

Application

DVD recorders and players

High definition Blu-ray DVD players

HD-DVD players

Related Products

ADV7181CBSTZ

Analog Devices, Inc

LQFP-64

AD724JR

Analog Devices, Inc

SOIC-16

ADV7391WBCPZ

Analog Devices, Inc

LFSCP-3

ADV7341BSTZ

Analog Devices, Inc

LQFP-64

AD8170AR

Analog Devices, Inc

SOP8

ADV7393BCPZ

Analog Devices, Inc

LFCSP-VQ-40

ADV7390BCPZ

Analog Devices, Inc

QFN32

ADUM4160BRIZ

Analog Devices, Inc

SOIC-16