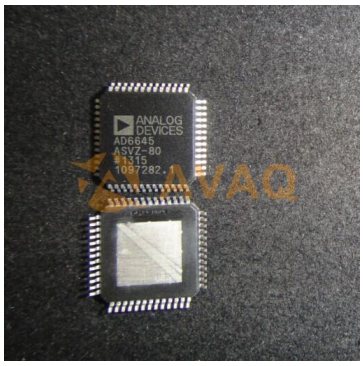
AD6645ASVZ-80

1-Channel Single ADC Pipelined 80Msps 14-bit Parallel 52-Pin TQFP EP Tray

Manufacturer:	Analog Devices, Inc
Package/Case:	QFP52
Product Type:	Data Conversion ICs
RoHS:	RoHS Compliant/Lead free
Lifecycle:	Active



Images are for reference only

Inquiry

General Description

The AD664 is four complete 12-bit, voltage-output digital-toanalog converters (DACs) on one monolithic IC chip. Each DAC has a double buffered input latch structure and a data readback function. All DAC read and write operations occur through a single microprocessor-compatible input/output (I/O) port.
The I/O port accommodates 4-bit, 8-bit, or 12-bit parallel words allowing simple interfacing with a wide variety of microprocessors. A reset to zero control pin is provided to allow a user to simultaneously reset all DAC outputs to zero, regardless of the contents of the input latch. Any one or all of the DACs may be placed in a transparent mode allowing immediate response by the outputs to the input data.
The analog portion of the AD664 consists of four DAC cells, four output amplifiers, a control amplifier, and switches. Each DAC cell is an inverting R-2R type. The output current from each DAC is switched to the on-board application resistors and output amplifier. The output range of each DAC cell is programmed through the digital input/output port and may be set to unipolar (UNI) or bipolar (BIP) range, with a gain of one or two times the reference voltage. All DACs are operated from a single external reference
The functional completeness of the AD664 results from the combination of the Analog Devices, Inc., BiMOS II process, laser trimmed thin film resistors, and double level metal interconnects.

Key Features

Four Complete Voltage Output DACs

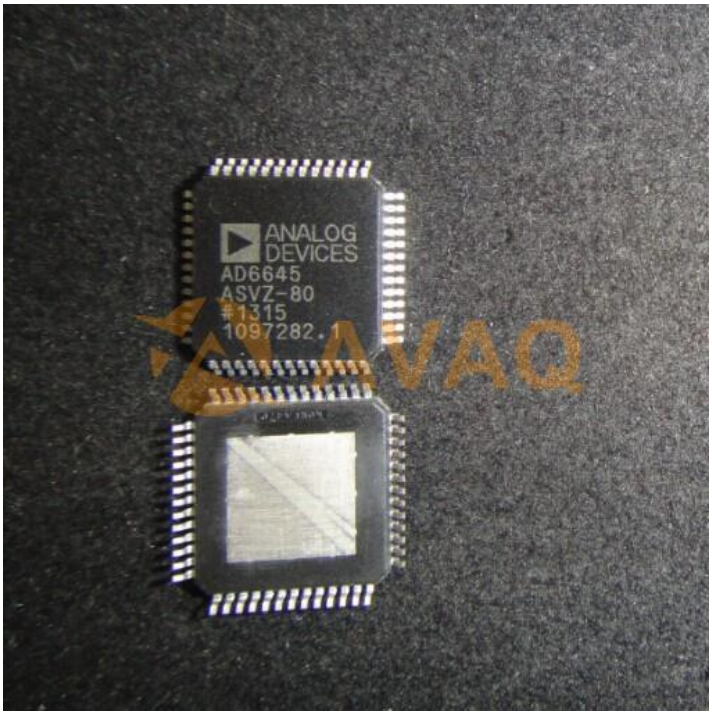
Date Register Readbck Feature

Multiplying Operation

Double-Buffered Latched

Surface-mount (LCC, PLCC, and JLCC) and PDIP and SBDIP packages

MIL-STD-883 Compliant Versions Available



Recommended For You

AD7305BRZ

Analog Devices, Inc

SOP20

AD9910BSVZ

Analog Devices, Inc

TQFP100

AD9831ASTZ

Analog Devices, Inc

QFP

AD5447YRUZ

Analog Devices, Inc

TSSOP

AD5302BRMZ

Analog Devices, Inc

MSOP10

AD5531BRUZ

Analog Devices, Inc

TSSOP16

AD537JH

Analog Devices, Inc

CAN10

AD652AQ

Analog Devices, Inc

DIP

AD654JN

Analog Devices, Inc

DIP8

AD7740YRMZ

Analog Devices, Inc

MSOP8

AD9914BCPZ

Analog Devices, Inc

LFCSP

AD73311ARSZ

Analog Devices, Inc

SSOP20

AD7291BCPZ

Analog Devices, Inc

LFCSP20

AD9954YSVZ

Analog Devices, Inc

QFP

AD2S1205YSTZ

Analog Devices, Inc

LQFP44