AD6623AS

Signal Processor 128-Pin MQFP Tray

Manufacturer:	Analog Devices, Inc
Package/Case:	QFP
Product Type:	Discrete Semiconductor Modules
Lifecycle:	Obsolete

Images are for reference only

Inquiry

General Description

AD6623AS is a high-performance digital signal processing (DSP) chip developed by Analog Devices Inc. It is specifically designed for use in wireless communication systems, such as base stations, wireless infrastructure, and point-to-point microwave systems.

Key Features

High processing power: It has a high-speed parallel processing engine capable of executing up to 16 billion multiply-accumulate operations per second (16 GMACs/s).

Programmable functionality: The AD6623AS can be programmed to perform a wide range of signal processing functions, such as filtering, modulation, demodulation, coding, and decoding.

Low power consumption: It consumes relatively low power for its processing capabilities, making it suitable for battery-powered devices.

High dynamic range: It has a high dynamic range of up to 110 dB, which enables it to process weak and strong signals simultaneously.

Application

Wireless communication systems: It is used in base stations, wireless infrastructure, and point-to-point microwave systems to perform signal processing functions.

Defense and aerospace systems: It is used in radar systems, electronic warfare, and satellite communication systems.

Medical imaging: It is used in medical imaging systems, such as magnetic resonance imaging (MRI) and computed tomography (CT) scanners, for signal processing.

Recommended For You

ADF4153BCPZ

Analog Devices, Inc

QFN

ADF5355BCPZ

Analog Devices, Inc

LFCSP32

AD8318ACPZ

Analog Devices, Inc

LFCSP

AD6620ASZ

Analog Devices, Inc

QFP

ADF4107BCPZ

Analog Devices, Inc

QFN

ADL5513ACPZ-R7

Analog Devices, Inc

LFCSP-16

AD8319ACPZ

Analog Devices, Inc

LFCSP

ADRF6755ACPZ

Analog Devices, Inc

QFN

ADL5535ARKZ-R7

Analog Devices, Inc

SOT89

AD608AR

Analog Devices, Inc

SOP16

ADF4107BRUZ-REEL7

Analog Devices, Inc

TSSOP16

ADRF6780ACPZN

Analog Devices, Inc

QFN

AD8317ACPZ

Analog Devices, Inc

LFCSP

AD608ARZ

Analog Devices, Inc

SOP16

AD8318ACPZ-REEL7

Analog Devices, Inc

LFCSP