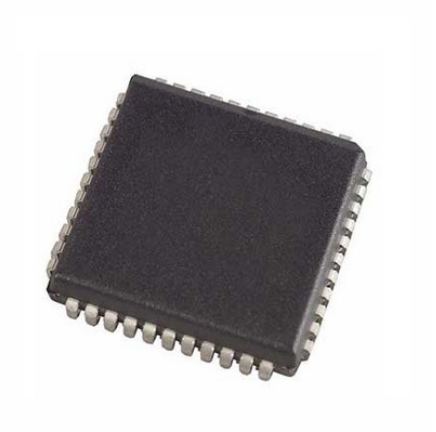
AD75019JPZ

Analog General Purpose 16 x 16 44-Pin PLCC Tube

Manufacturer:	Analog Devices, Inc
Package/Case:	PLCC44
Product Type:	Switches
RoHS:	RoHS Compliant/Lead free
Lifecycle:	Active



Images are for reference only

Inquiry

General Description

The AD75019 contains 256 analog switches in a 16 × 16 array.Any of the X or Y pins may serve as an input or output. Any orall of the X terminals may be programmed to connect to any orall of the Y terminals. The switches can accommodate signalswith amplitudes up to the supply rails and have a typical on-resistanceof 150 Ω.Data is loaded serially via the SIN input and clocked into an on-board256-bit shift register via SCLK. When all the switch settingshave been programmed, data is transferred into a set of256 latches via PCLK. The serial shift register is dynamic, sothere is a minimum clock rate of 20 kHz. The maximum clockrate of 5 MHz allows loading times as short as 52 µs. The switchcontrol latches are static and will hold their data as long as poweris applied.To extend the number of switches in the array, you may cascademultiple AD75019s. The SOUT output is the end of the shiftregister, and may be connected to the SIN input of the nextAD75019.The AD75019 is fabricated in Analog Devices' BiMOS IIprocess. This epitaxial BiCMOS process features CMOSdevices for low distortion switches and bipolar devices forESD protection.

Key Features

Low on-resistance

TTL/CMOS/microprocessor-compatible control lines

Serial input simplifies interface

Serial output allows cascading for more channels

Low power consumption

Recommended For You

AD1803JRU	AD1847JP	AD8109ASTZ
Analog Devices, Inc	Analog Devices, Inc	Analog Devices, Inc
TSSOP24	PLCC	QFP

AD8115ASTZ

Analog Devices, Inc

QFP

AD1980JST-REEL

Analog Devices, Inc

QFP48

AD1836AAS

Analog Devices, Inc

QFP52

AD1843JS

Analog Devices, Inc

QFP

AD1888JCPZ-REEL

Analog Devices, Inc

LFCSP-48

AD8116JSTZ

Analog Devices, Inc

QFP128

ADV601LCJST

Analog Devices, Inc

QFP

ADV611JST

Analog Devices, Inc

QFP

ADN4600ACPZ

Analog Devices, Inc

QFN

AD8152JBPZ

Analog Devices, Inc

BGA

ADN4605ABPZ

Analog Devices, Inc

BGA

AD8113JSTZ

Analog Devices, Inc

QFP