

Octal 14-Pin TDFN EP T/R

Manufacturer: [Maxim Integrated](#)

Package/Case: DFN14

Product Type: Switches

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

MAX4989ETD+T Image

Images are for reference only

[Inquiry](#)

General Description

The MAX4989 is a bidirectional 2-of-4 USB 2.0 crosspoint switch. The MAX4989 features the low on-capacitance and low on-resistance necessary to switch USB 2.0 low-/full-/Hi-Speed signals at data rates up to 480Mbps. This device allows any 2-of-4 USB pairs to be connected together and is configured through a simple 3-input control logic interface. The MAX4989 operates from a single +2.7V to +5.5V supply and features an internal charge pump to permit full rail-to-rail swing. This device also features a high-impedance shutdown mode to reduce supply current to 100nA (typ). The MAX4989 is available in a 14-pin, 3mm x 3mm TDFN package and operates over the extended -40°C to +85°C temperature range.

Key Features

On-channel -3dB bandwidth of 1GHz

Operating temperature range from -40°C to 85°C

Low supply current of 1μA at VCC = 3.3V and 3μA at VCC = 5.5V

50ohm low on-resistance, 0.5ohm on-resistance match between channels & 0.4ohm on-resistance flatness

High impedance shutdown mode

Logic inputs control signal routing

1.8V CMOS logic compatible

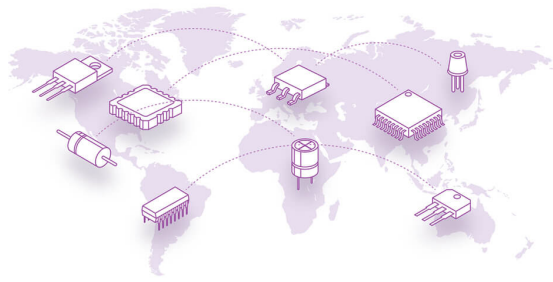
Propagation delay of 120ps

Off-leakage current of ±1μA and on-leakage current of ±1μA

Off-isolation of -43dB at f = 10MHz and crosstalk of -50dB at f = 50MHz

Application

Notebook Computers



Recommended For You

MAX456CPL

Maxim Integrated

DIP

MAX4456CQH-D

Maxim Integrated

DC

MAX459CQH

Maxim Integrated

PLCC

MAX4456CQH

Maxim Integrated

PLCC

MAX458CPL

Maxim Integrated

DIP

MAX470CPE

Maxim Integrated

DIP16

MAX456EPL

Maxim Integrated

PDIP

MAX4121CSA

Maxim Integrated

SOP8

MAX4456CPL+

Maxim Integrated

DIP

MAX4456EQH

Maxim Integrated

PLCC44

MAX4355ECQ+

Maxim Integrated

QFN

MAX456CPL+

Maxim Integrated

DIP40

MAX4570CAI

Maxim Integrated

SSOP

MAX4937CTN+

Maxim Integrated

56-WFQFN

MAX14640ETA+T

Maxim Integrated

QFN