

Digital Isolator CMOS 4-CH 110MBd 16-Pin SOIC N Tube

Manufacturer: [Broadcom Corporation](#)

Package/Case: SOP16

Product Type: Drivers

Lifecycle: Active



Images are for reference only

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General Description

The quad channel HCPL-09xx CMOS digital isolators feature high speed performance and excellent transient immunity specifications. The symmetric magnetic coupling barrier gives these devices a typical pulse width distortion of 2 ns, a typical propagation delay skew of 4 ns and 100 Mbaud data rate, making them the industry's fastest digital isolators.

The quad channel digital isolators are configured as unidirectional (HCPL-900J/090J). These high channel density make them ideally suited to isolating data conversion devices, parallel buses and peripheral interfaces.

They are available in 8-pin PDIP, 8-pin Gul Wing, 8-pin SOIC packages, and 16-pin SOIC narrow-body and wide-body packages. They are specified over the temperature range of -40oC to100oC. CAUTION: It is advised that normal static precautions be taken in handling and assembly of this component to prevent damage and/or degradation, which may be induced by ESD.

Key Features

- 3.3V and 5V CMOS compatible
- 3 ns max. pulse width distortion
- 6 ns max. propagation delay skew
- 15 ns max. propagation delay
- High speed: 100 MBd
- 15 kV/us min. common mode rejection
- 2500V RMS isolation
- UL1577 and IEC 61010-1 approved
- Options available are:

Application

- Digital fieldbus isolation
- Multiplexed data transmission
- Computer peripheral interface
- High speed digital systems
- Isolated data interfaces
- Logic level shifting

Recommended For You

HCPL-0900-000E

Broadcom Corporation
SOP-8

HCPL-9030

Broadcom Corporation
SOP-8

HCPL-900J-000E

Broadcom Corporation
DIPSOP

HCPL-090J-000E

Broadcom Corporation
SOP-8

HCPL-9000

Broadcom Corporation
DIP-8

HCPL-0900

Broadcom Corporation
SOP-8

HCPL-9031-000E

Broadcom Corporation
DIPSOP

HCPL-091J-000E

Broadcom Corporation
SOP16

HCPL-0900-500E

Broadcom Corporation
SOP-8

HCPL-9030-000E

Broadcom Corporation
SOP-8

HCPL-9000-000E

Broadcom Corporation
DIPSOP

HCPL-091J-500E

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SOP16

LSI53C1030

Broadcom Corporation
BGA

LSI53C1000

Broadcom Corporation
BGA

NET2280REV1A-LF

Broadcom Corporation
QFP