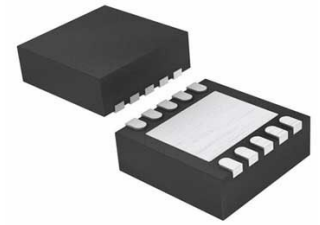


## High Speed USB 2.0 High Speed Signal Conditioner USB 2.0 T/R 10-Pin QFN EP



Images are for reference only

**Manufacturer:** [Microchip Technology, Inc](#)

**Package/Case:** QFN10

**Product Type:** Interface ICs

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Active

[Inquiry](#)

### General Description

Microchip's USB3740 family of Hi-Speed USB switches were specifically designed to enable a range of applications to achieve single-port connectivity. Their design provides a substantial 1GHz of bandwidth, allowing for the passage of robust USB 2.0 signals. The USB3740 is a high-performance USB 2.0 switch providing excellent flexibility, with very low current consumption in an extremely small package. Coupled together, these features help solve a wide variety of common connectivity design challenges. Additionally, Microchip's complimentary and confidential USBCheck™ online design review service is available for customers who select the USB3740 for their application design-in.\*

\*The USBCheck online design review service is subject to Microchip's Program Terms and Conditions and requires a myMicrochip account.

## Key Features

### Highlights

Enables single port of connectivity in USB applications

30nA typical active/standby current

1GHz bandwidth for excellent signal integrity

15kV IEC capability for contact and air discharge

Simplified two pin control

Supports industrial temperature range (-40° to 85°C)

10-pin QFN, RoHS-compliant package

### Target Applications

Smart phones

Televisions

Storage Drives

Headsets

Media Players

Tablets and Docking Stations

Bluetooth® Earpieces

MP3 Players

Industrial Products

## Recommended For You

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### USB3751A-2-A4-TR

Microchip Technology, Inc

QFN-16

### USB3740B-A19-TR

Microchip Technology, Inc

QFN10

### USB3751A-1-A4-TR

Microchip Technology, Inc

QFN

### MI90869AG2

Microchip Technology, Inc

BGA

### MI90812AP1

Microchip Technology, Inc

68LPLCC24.2x24.2

### MI90823AL1

Microchip Technology, Inc

100-BQFP

### MI8808AP

Microchip Technology, Inc

PLCC

### MI8806AP

Microchip Technology, Inc

PLCC28

### MI8804AE

Microchip Technology, Inc

DIP

**MI8816AP**

Microchip Technology, Inc  
PLCC44

**MI8809AP**

Microchip Technology, Inc  
PLCC28

**MI8985API**

Microchip Technology, Inc  
PLCC

**MI8808AE**

Microchip Technology, Inc  
DIP

**HV209FG-G**

Microchip Technology, Inc  
LQFP48

**MI8806AE**

Microchip Technology, Inc  
DIP