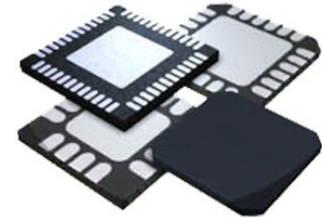


USB Transceiver 1TR Automotive 32-Pin T/R



Images are for reference only

[Inquiry](#)

Manufacturer: [Microchip Technology, Inc](#)

Package/Case: QFN

Product Type: Interface ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: Unconfirmed

General Description

The USB83340 is optimized for use in applications where a low operating current and standby currents are essential. The device integrates 3.3 V and 1.8 V regulators, making it possible to operate the device from a single power supply.

The USB83340 uses Microchip's wrapper-less technology to implement the ULPI interface; allowing the PHY to achieve low-latency receiving and transmitting.

Applications

- In-vehicle USB Host implementations
- Infotainment test interface
- Automotive head unit
- Portable device charging via USB
- Rear seat infotainment access
- Internal connectivity bus
- Isolate high-value SoCs from outside

Key Features

Specifically designed, fabricated, tested, characterized and qualified for automotive applications

Service and support

USB-IF Battery Charging 1.1 Specification-compliant

Link Power Management (LPM)-compliant

Integrated ESD protection circuitry

Nearly complete elimination of Hi-Speed electrical degradation

Battery charging

Stereo and mono/mic audio

USB Full-Speed/Low-Speed data

Sleep mode tri-states all ULPI pins and places the part in a low current state

1.8 V to 3.3 V I/O voltage

Programmable USB transceiver drive strength for recovering signal integrity

Programmable USB receiver sensitivity

ULPI clock IN mode (60 MHz sourced by link)

0 to 3.6 V input drive tolerant

Able to accept noisy clock sources as reference to internal, low-jitter PLL

Supports multiple frequencies

Crystal/resonator support

Smart detection circuits allow identification of USB charger, headset or data cable insertion

UART mode for non-USB serial data transfers

Internal 5.0 V cable short-circuit protection of ID, DP and DM lines to VBus® or ground

32-pin (5 x 5 mm) QFN lead-free, RoHS-compliant package

Automotive operating temperature range: -40 °C to +105 °C

Recommended For You

USB3320C-EZK-TR

Microchip Technology, Inc

QFN32

USB3343-CP-TR

Microchip Technology, Inc

QFN24

USB3318-CP-TR

Microchip Technology, Inc

QFN24

USB2513B-I/M2

Microchip Technology, Inc

QFN36

USB3315

Microchip Technology, Inc

QFN

USB2504-JT

Microchip Technology, Inc

QFP64

USB3318

Microchip Technology, Inc

QFN

USB3318C-CP-TR

Microchip Technology, Inc

QFN24

USB3340-EZK-TR

Microchip Technology, Inc

QFN32

USB2422T-I/MJ

Microchip Technology, Inc

SQFN24

USB3503AI-1-GL-TR

Microchip Technology, Inc

WLCSP25

USB2660I-JZX-03

Microchip Technology, Inc

QFN

USB2507-ADT

Microchip Technology, Inc

QFP

USB2641-HZH-02

Microchip Technology, Inc

QFN

USB3317C-CP-TR

Microchip Technology, Inc

QFN24