

USB Transceiver 1TR 12Mbps 16-Pin WQFN EP T/R

Manufacturer: [Texas Instruments, Inc](#)

Package/Case: WQFN-16

Product Type: Interface ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

TUSB1105RTZR Image

Images are for reference only

[Inquiry](#)

General Description

The TUSB1105 and TUSB1106 universal serial bus (USB) transceivers are compliant with the Universal Serial Bus Specification Rev. 2.0. These devices can transmit and receive serial data at both full-speed (12-Mbit/s) and low-speed (1.5-Mbit/s) data rates. The TUSB1105 and TUSB1106 can be used as USB device transceivers or USB host transceivers.

The devices allow USB application-specific ICs (ASICs) and programmable logic devices (PLDs), with power-supply voltages from 1.65 V to 3.6 V, to interface with the physical layer (PHY) of the universal serial bus. They have an integrated 5-V to 3.3-V voltage regulator for direct powering via the USB supply VBUS.

The TUSB1105 allows single-ended and differential input modes selectable by a mode (MODE) input and is available in RGT and RTZ packages. The TUSB1106 allows only differential input mode and is available in PW, RGT, RSV, and RTZ packages.

The TUSB1105 and TUSB1106 are ideal for portable electronic devices, such as mobile phones, personal digital assistants, information appliances, and digital still cameras.

Key Features

Compatible With Universal Serial Bus Specification Rev. 2.0

Transmit and Receive Serial Data at Both Full-Speed (12-Mbit/s) and Low-Speed (1.5-Mbit/s) Data Rates

Integrated Bypassable 5-V to 3.3-V Voltage Regulator for Powering Via USB VBUS

VBUS Disconnection Indication Through VP and VM

Used as USB Device Transceiver or USB Host Transceiver

Stable RCV Output During SE0 Condition

Two Single-Ended Receivers With Hysteresis

Low-Power Operation, Ideal for Portable Equipment

Support I/O Voltage Range From 1.65 V to 3.6 V

IEC-61000-4-2 ESD Compliant

±9-kV Contact-Discharge Model (D+, D-, VCC(5.0))

±15-kV Human-Body Model (D+, D-, VCC(5.0))

TUSB1105 Available in Quad Flat No-Lead (QFN) Package; TUSB1106 Available in QFN and Thin Shrink Small-Outline Package (TSSOP)

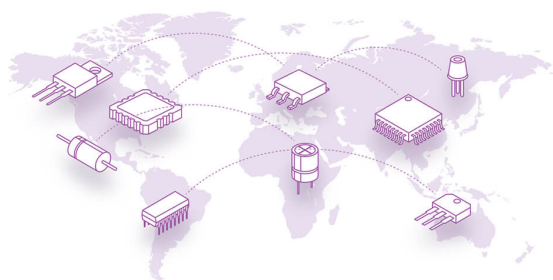
APPLICATIONS

Mobile Phones

Personal Digital Assistants (PDAs)

Information Appliances (IAs)

Digital Still Cameras (DSCs)



Recommended For You

TUSB2077APTR

Texas Instruments, Inc
LQFP48

TUSB1002RGER

Texas Instruments, Inc
QFN

TUSB211QRWBRQ1

Texas Instruments, Inc
X2QFN-12

TUSB4041IPAPRQ1

Texas Instruments, Inc
HTQFP-64

TUSB1210BRHBR

Texas Instruments, Inc
VQFN32

TUSB212QRWBRQ1

Texas Instruments, Inc
X2QFN12

TUSB319IDRFRQ1

Texas Instruments, Inc
WSON8

TUSB1211A1ZRQ

Texas Instruments, Inc
BGA

TUSB4020BIPHP

Texas Instruments, Inc
TQFP48

TUSB1105RGIR

Texas Instruments, Inc
VQFN16

TUSB321RWBR

Texas Instruments, Inc
X2QFN12

TUSB8020BPHP

Texas Instruments, Inc
TQFP48

TUSB1002AIRGET

Texas Instruments, Inc
VQFN-24

TUSB3210PM

Texas Instruments, Inc
QFP64

TUSB214IRWBT

Texas Instruments, Inc
X2QFN-12