

USB Type-C DFP Port Controller USB 2.0/USB 3.1 5V T/R Automotive 8-Pin WSON EP

Manufacturer:	Texas Instruments, Inc	<input type="text" value="TUSB319IDRFRQ1 Image"/>
Package/Case:	WSON8	Images are for reference only
Product Type:	Interface ICs	<input type="button" value="Inquiry"/>
RoHS:	RoHS Compliant/Lead free 	
Lifecycle:	Active	

General Description

The TUSB319-Q1 is a USB Type-C Downstream Facing Port (DFP) controller. The TUSB319-Q1 monitors the USB Type-C Configuration Channel (CC) lines to determine when an USB device is attached. If an Upstream Facing Port (UFP) device is attached, the TUSB319-Q1 drives an open drain output ID that can be used in the system to apply VBUS power. The device also communicates the selectable VBUS current sourcing capability to the UFP via the CC lines.

Key Features

Meets USB Type-C? Specifications

Supports DFP (Host/Source) Applications with up to 15W Power

Supports Type-C Current Mode Advertisement up to 3 A (Default, 1.5 A, 3 A)

Provides Type-C Plug Orientation

Channel Configuration (CC)
Attach of USB Port Detection

Cable Orientation Detection

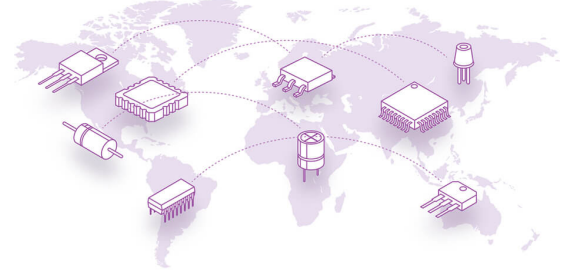
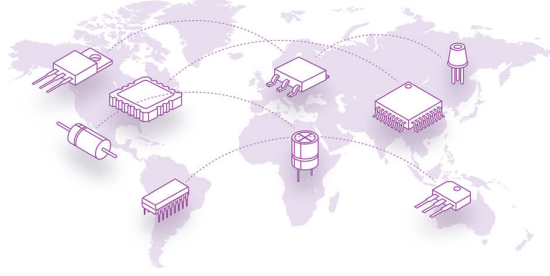
VBUS Detection

Supply Voltage: 3.8 V to 5.5 V

Low Current Consumption

2 × 2 mm WSON Package with 0.5 mm Pitch

Industrial Temperature Range of -40°C to 85°C



Recommended For You

TUSB2077APTR

Texas Instruments, Inc

LQFP48

TUSB1002RGER

Texas Instruments, Inc

QFN

TUSB1105RTZR

Texas Instruments, Inc

WQFN-16

TUSB211QRWBRQ1

Texas Instruments, Inc

X2QFN-12

TUSB4041IPAPRQ1

Texas Instruments, Inc

HTQFP-64

TUSB1210BRHBR

Texas Instruments, Inc

VQFN32

TUSB212QRWBRQ1

Texas Instruments, Inc

X2QFN12

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