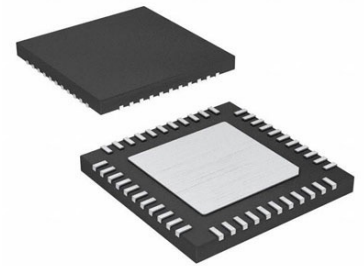


## High Speed Basic USB Type-C Controller USB 3.1 3.3V T/R 16-Pin UQFN



Images are for reference only

[Inquiry](#)

**Manufacturer:** [Texas Instruments, Inc](#)

**Package/Case:** UQFN-16

**Product Type:** Interface ICs

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Active

### General Description

The HD3SS3202 is a high-speed bidirectional passive switch in mux or demux configurations suited for USB Type-C applications that support USB 3.1 Gen 1 and Gen 2 data rates. Based on control pin SEL, the device supplies switching on differential channels between Port B or Port C to Port A.

The HD3SS3202 is a generic analog differential passive switch. It works with any high-speed interface application that requires a common mode voltage range of 0 to 2 V, and requires a differential signaling with differential amplitude at a maximum of 1800 mVpp. The device has adaptive tracking that makes sure the channel stays unchanged for the full common mode voltage range.

The device allows high-speed switching with minimum attenuation to the signal eye diagram with little added jitter. It uses < 1.65 mW (typical) of power when in operation. It has a shutdown mode that is used by the OEn pin resulting < .02 μW (typical).

### Recommended For You

#### HD3SS3202IRSVT

Texas Instruments, Inc

UQFN-16

#### HD3SS3220IRNHR

Texas Instruments, Inc

WQFN30

#### HD3SS3415RUAR

Texas Instruments, Inc

WQFN42

#### TLV320AIC23BRHDR

Texas Instruments, Inc

QFN

#### HD3SS3412RUAR

Texas Instruments, Inc

WQFN42

#### HD3SS3220RNHR

Texas Instruments, Inc

WQFN30

#### HD3SS3212RKSQRQ1

Texas Instruments, Inc

WQFN20

#### HD3SS3412RUAT

Texas Instruments, Inc

WQFN-42

#### HD3SS3202IRSVR

Texas Instruments, Inc

UQFN-16

**HD3SS3220IRNHT**

Texas Instruments, Inc

WQFN30

**ISO7221CHD**

Texas Instruments, Inc

SOP-8

**TB5D2HD**

Texas Instruments, Inc

SOP16

**TLV320AIC23BIRHDR**

Texas Instruments, Inc

QFN28

**TLV320AIC23BRHD**

Texas Instruments, Inc

QFN-28

**HD3SS3212RKSTQ1**

Texas Instruments, Inc

VQFN20