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Worldwide (In English)

# 4-port SuperSpeed USB xHCI PCIe Card Reference Design

(ACTIVE) TUSB7340EVM

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## Description

The TUSB7340EVM board is a free-standing reference design for a four-port PCIe-based SuperSpeed USB (USB 3.0) Extensible Host Controller (xHCI). It is used to evaluate system compatibility. A Microsoft WHQL certified xHCI compliant driver stack is provided as well. The TUSB7340 is fully backwards compatible to USB 2.0 supporting USB peripherals and hubs that support all data transfer speeds: USB 2.0 Low-speed (1.5Mbps), USB 2.0 Full-speed (12 Mbps), USB 2.0 High-speed (480 Mbps) as well as SuperSpeed USB (5 Gbps). A SuperSpeed peripheral is required to evaluate SuperSpeed data transfer.

## Features

- xHCI compliant driver stack
  - Support for all USB data transfer rates
    - Full/low speed support
    - High speed support
    - SuperSpeed support
  - Robust device class support
  - UASP support for mass storage devices
  - Available for Windows XP, Windows Vista, and Windows 7
    - Both 32-bit and 64-bit
  - Linux support available from open Source Community

For more information on Universal Serial Bus and certification, logo, and testing requirements, see [www.usb.org](http://www.usb.org)

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TUSB7340EVM: 4-port SuperSpeed USB xHCI PCIe Card Reference Design	\$99.00(USD)  In Stock Typically Ships in 1 to 3 Business Days  <a href="#">Buy from TI</a>	Pricing may vary.  <a href="#">Buy from distributor</a>	ACTIVE	Yes	Yes	Yes	NA	NA	NA	NA	NA	No	No	NA	No

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Part Number	Name	Product Family	Sample & Buy	Design Kits & Evaluation Modules
TPD2EUSB30	2-Channel ESD Solution for SuperSpeed USB 3.0 Interface	ESD Protection Diodes	<a href="#">Sample &amp; Buy</a>	Not Available

Part Number	Name	Product Family	Sample & Buy	Design Kits & Evaluation Modules
TPS2560	Dual Channel Precision Adjustable Current-Limited Power Switches	USB Power Switch and Charge Port Controller	<a href="#">Sample &amp; Buy</a>	<a href="#">View Design Kits &amp; Evaluation Modules</a>
TPS74401	Single Output LDO, 3.0A, Adj.(0.8 to 3.3V), Fast Transient Response, Programmable Soft Start	Linear Regulator (LDO)	<a href="#">Sample &amp; Buy</a>	<a href="#">View Design Kits &amp; Evaluation Modules</a>
TUSB7340	SuperSpeed USB 4-Port xHCI Host Controller	USB	<a href="#">Sample &amp; Buy</a>	Not Available

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## CAD/CAE symbols

Part #	Package   Pins	CAD File (.bxl)	STEP Model (.stp)
TPD2EUSB30	SOT (DRT)   3	<a href="#">Download</a>	-
TPS2560	VSON (DRC)   10	<a href="#">Download</a>	-
TPS74401	TO-263 (KTW)   7	<a href="#">Download</a>	<a href="#">Download</a>
	VQFN (RGW)   20	<a href="#">Download</a>	-
TUSB7340	WQFN-MR (RKM)   100	<a href="#">Download</a>	-

Texas Instruments and Accelerated Designs Inc. have collaborated together to provide TI customers with schematic symbols and PCB layout footprints for TI products.

**Step 1:** Download and install the Ultra Librarian software [ZIP: 62MB](#)

**Step 2:** Download the Symbol and Footprint .bxl file.

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## Technical Documents

### User Guides (1)

Title	Abstract	Type	Size (KB)	Date	Views
<a href="#">TUSB7320/7340 - EVM User's Guide (Rev. C)</a>		PDF	561	15 May 2014	631


## Related Tools & Software

### Software (1)

[TUSB73x0 xHCI Driver for WinXP/Vista/7 \(Rev. I\)](#)  
(ZIP, 6829 KB) 2016 views, 26 Mar 2014

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Name	Type	Available During
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<a href="#">TI-RTOS Update</a> Learn about the latest TI-RTOS features and more in-depth understanding of this TI software tool.	On-Line Training	On Demand
<a href="#">Designing with Ultra Low Power Segmented Displays</a> Learn about designing Ultra-low Power Segmented Displays and MSP430	On-Line Training	On Demand

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