

PCIe to USB on the TMS320DM816x/TMS320C6A816x/AM389x Evaluation Board

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ABSTRACT

This article has been contributed to the TI Embedded Processors Wiki. The article describes using the PCI Express® (PCIe®) to the USB host controller card on the TMS320DM816x DaVinci™ digital media processors, TMS320C6A816x Integra™ DSP+ ARM® processors, and AM389x Sitara™ ARM® microprocessors (MPUs) family of devices running Linux kernel from a PSP package. This solution addresses the limitation on these devices of not supporting multi-point operation when acting as the USB host, which prevents using the USB hub. In this document, we consider a third party PCIe-USB host controller card having a Pericom® PCI Express-to-USB 2.0 (PI7C9X442SL) device connected to the PCI Express port on the DM816x/C6A816x/AM389x evaluation board (EVM).

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