



μPD720115

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Products

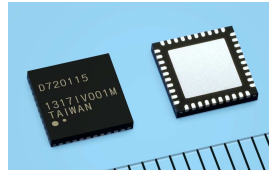
SoC / System LSI
USB ASSP
Product Lineup

μPD720115

M66291
R8A66593
R8A66597
μPD720102
μPD720114
μPD720200A
μPD720201
μPD720202
μPD720210
μPD720231A
μPD720211

Overview Documentation Design Support

Product Overview:



μPD720115 is a USB 2.0 hub controller which supports USB Battery Charging specification 1.2 and it can charge various portable devices, like smart phone and Tablet PCs. μPD720115 integrates two regulators to eliminate external regulators and this saves system costs. μPD720115 enhances operating temperature range from -40 to +85 degree and it is suitable for various markets, including consumer and industrial market.

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Specifications

Compliant with Universal Serial Bus Specification Revision 2.0, which is released by USB Implementers Forum, inc

- Low-speed (1.5Mbps) / Full-speed (12Mbps) / High-speed (480Mbps)
- Supporting USB2.0 Link Power Management
- USB-IF Certified : TID(Test ID) = 30000066

Got Windows Hardware Certification for Windows 8 and Windows 8.1 (Submission ID =1617556)

Supports USB battery Charging Specification Revision 1.2 and other portable devices

Configurable downstream port counts of 2,3, or 4 ports

Supports Individual/Gang power control/over-current detection

Supports USB 2.0 Compound (non-removal) devices by I/O pin strapping

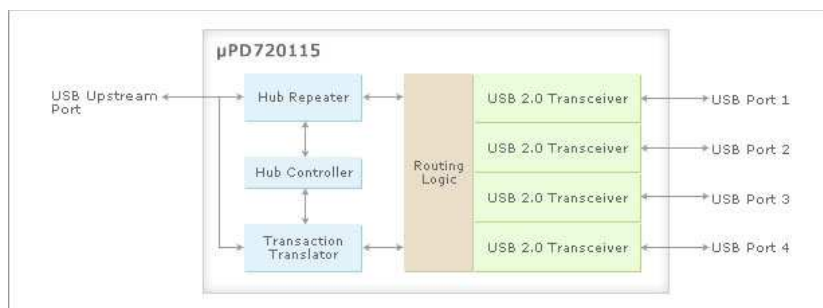
Single 5V power supply, on-chip LDO for 3.3 V from 5 V and 1.05 V from 3.3 V

System clock: 24 MHz Crystal or Oscillator

Supports 24MHz clock output from non-removal device on downstream port

Small foot print using small QFN package (40pin QFN)

Internal Block Diagram



Application

USB hub box
Monitor
PC, Docking station, Port replicator
Digital TV, Set-Top-Box
Multi function printer
Other Industrial equipment

Order Information

Order Name	Package	Ta
UPD720115K8-611-BAK-A	40-pin QFN (6mm X 6mm) Lead(Pb) Free	0~85°C
UPD720115K8-711-BAK-A	40-pin QFN (6mm X 6mm) Lead(Pb) Free	-40~85°C

Inquiry Concerning USB

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