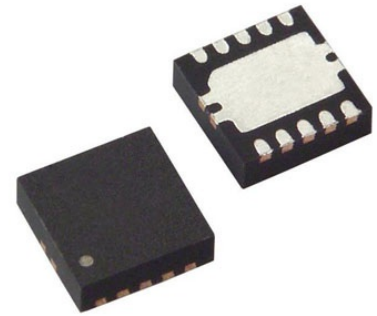


Low Speed/Full Speed/High Speed 7 Port Hub Controller USB 3.1 3.3V Tray 100-Pin VQFN EP

Manufacturers	Microchip Technology, Inc
Package/Case	VQFN-100
Product Type	Interface ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for USB5807-I/KD or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The USB5807 is also a SmartHub which is defined as a USB hub that integrates system levels functions typically associated with a separate MCU or processor. The USB5807 SmartHub enables a downstream device to take control of the host system by swapping roles and becoming the host port. The SmartHub can also switch between two different hosts if required. This role changing technology is called FlexConnect and can be initiated through hardware or software commands.

The hub also can expand beyond seven ports through PortSplitting which allows for embedded applications to only use the interface needed for internal, non-removable USB connections.

MPLAB®Connect Configurator, Microchip's proprietary software utility, can be used to program On-chip One Time Programmable (OTP) ROM which stores required register settings to ensure the desired start up configuration at power on. All LED, GPIOs and port control signal pins are under firmware control, allowing for maximum operational flexibility. However, for even more simplicity, the USB5807 can be configured through a series of external low-cost resistor bootstraps. A handful of bootstrap pins are available on the USB5807 to enable standard configurations for GPIOs and downstream ports. No OTP programming required..

Features

Not Recommended for new designs - See USB5807C

Seven downstream USB3.1 Gen1/2.0 ports

Reversible upstream and downstream Port 1 roles on command

PortSplitting - USB downstream port can be split for custom applications using embedded USB3 devices in parallel with USB2.0 devices.

Battery Charging - USB-IF rev1.2 support on downstream ports (DCP, CDP, SDP) including legacy Apple® iOS, Blackberry®, China Charging and many others

Port Config Straps - Predefined configuration of port settings – Battery Charging ports, Non-Removable ports, Disabled ports

USB Link Power Management (LPM) support

IETF RFC 4122 compliant 128-bit UUID

Compatible with MSFT Windows 10, 8, 7, XP, Apple OS X 10.4+, and Linux hub drivers

Available in 100-pin (12mm x 12mm) VQFN RoHS compliant package

Industrial grade temperature support (-40°C to +85°C)

Related Products



[USB2512B-AEZG-TR](#)

Microchip Technology, Inc
VQFN-36



[USB3250-ABZI](#)

Microchip Technology, Inc
VQFN-56



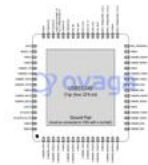
[USB2513B-AEZC](#)

Microchip Technology, Inc
VQFN-36



[USB2504A-JT](#)

Microchip Technology, Inc
LQFP-64



[USB5534B-5000JZX](#)

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QFN-64



[USB2514B-AEZG](#)

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VQFN-36



[USB2512-AEZG](#)

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[USB2514-HZH](#)

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VQFN-48