

USB 2.0 Hub Solutions

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Molex USB 2.0 Hub Solutions provide qualified kits that are compact and immediately available for prototyping and production runs, mitigating space constraints, reducing engineering costs and shortening end products' time-to-market

Features and Benefits

4 USB 2.0 protocol downstream ports

Meets market demands for increased USB capability

Upstream electrostatic discharge (ESD) protection

Protects chip's upstream electronic components

1 upstream port

Provides 100mA to device

*Off-the-Shelf USB 2.0 Hub Solution
(No Power Connector)*

USB 2.0 Protocol
downstream ports

5V Nano-Fit Power Connector

Delivers up to 500mA per port

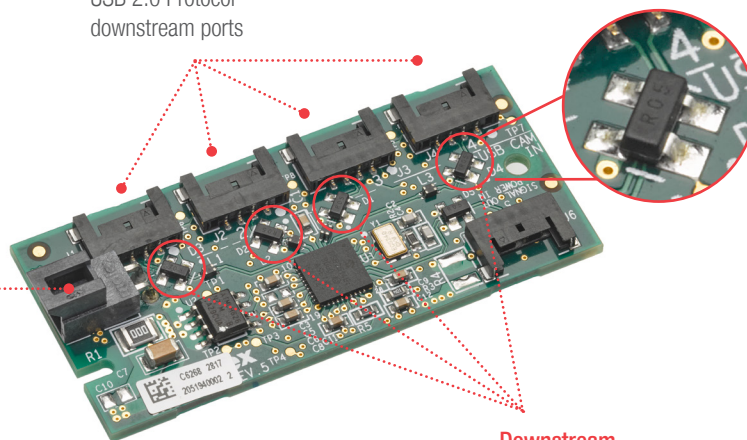
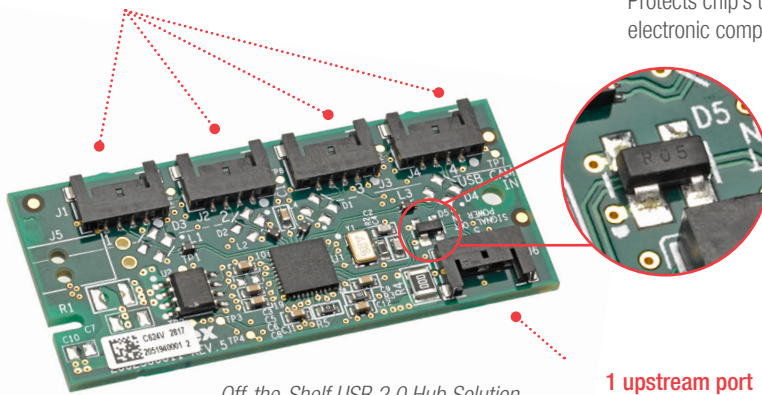
*Off-the-Shelf USB 2.0 Hub
Solution with Nano-Fit
Power Connector*

Downstream ESD protection

Protects chip's
downstream electronic
components



Left: Molex Standalone USB 2.0 Connector;
Right: Pico-Lock USB 2.0 Connector Used
in Molex USB Hub



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Applications

Home Appliance

- Ovens
- Washer & dryers

Consumer

- IoT device makers
- Consumer furniture
- Smart shelving
- Airport charging stations
- ATM machines

Smart Phones and Mobile Devices

- Handheld devices

Commercial Vehicles

- Infotainment



Detergent
Sensor



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Specifications

REFERENCE INFORMATION

Packaging: Box
UL File No.: TBD
CSA File No.: TBD
Designed In: Millimeters
RoHS: Yes
Halogen Free: No
Glow Wire Compliant: No

ELECTRICAL

USB-to-Pico-Lock Cable
Voltage (max.): 30V AC
Current (max.): 1.0A
AC-to-DC-Adapter-to-Nano-Fit Cable (205403-0002)
Output Voltage (max.): 5V $\pm$ 0.25V DC
Input Voltage (max.): 100~240V AC
Input Frequency: 50/60 Hz
Output Current (max.): 2.5A
Input Current (max.): 0.5A

PHYSICAL

Housing:
USB-to-Pico-Lock Cable
Overmolded with black PVC Resin; inner molded with PE Resin
AC-to-DC-Adapter-to-Nano-Fit Cable (205403-0002)
Overmolded with black PVC resin 92A; inner molded with PE Resin; Stopper with black PBT resin
Contact:
Pico-Lock Connector
Copper Alloy
Nano-Fit Connector
Brass Crimp Terminal with Gold Plating
Operating Temperature:
USB-to-PicoLock Cable
0 to +50°C
AC-to-DC-Adapter-to-Nano-Fit Cable
-20 to +80°C

Ordering Information

Series No.	Product	Downstream Ports	Upstream Ports
205403	USB 2.0 Hub Kit w/o Power Connection	4	2
	USB 2.0 Hub Kit with Nano-Fit Power Connection		
206107	USB-to-Pico-Lock Cable Assembly (150.00mm, 300.00mm, 1.0m)	N/A	

Custom Product	Description
Contact Molex	USB 2.0 Hubs

www.molex.com/link/usbbhub.html

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