

# USB 2.0 Hub Solutions



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

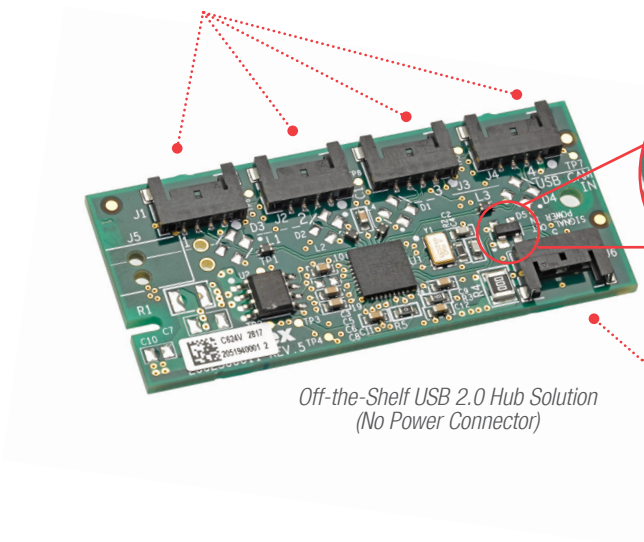
Protects chip's upstream electronic components

### 1 upstream port

Provides 100mA to device



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

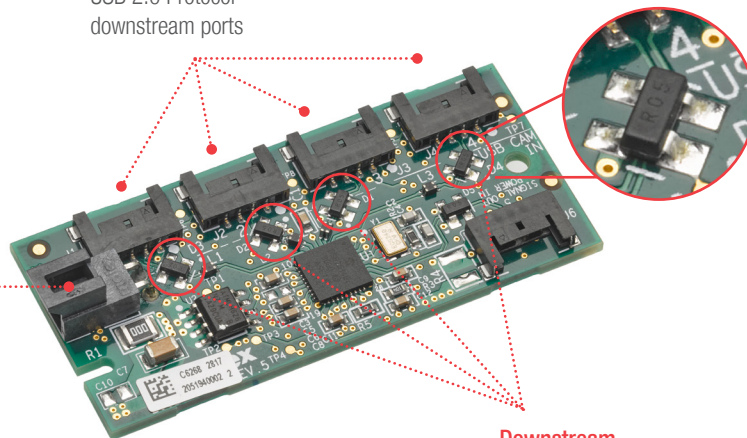


Off-the-shelf USB 2.0 Hub Solution (No Power Connector)

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

# USB 2.0 Hub Solutions

**molex**

## 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



## 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
<a href="#">Contact Molex</a>	USB 2.0 Hubs