

USB 2.0 Modules



Molex USB 2.0 Modules 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 Advantages

4 USB 2.0 protocol downstream ports

Meets market demands for increased USB capability

Upstream electrostatic discharge (ESD) protection

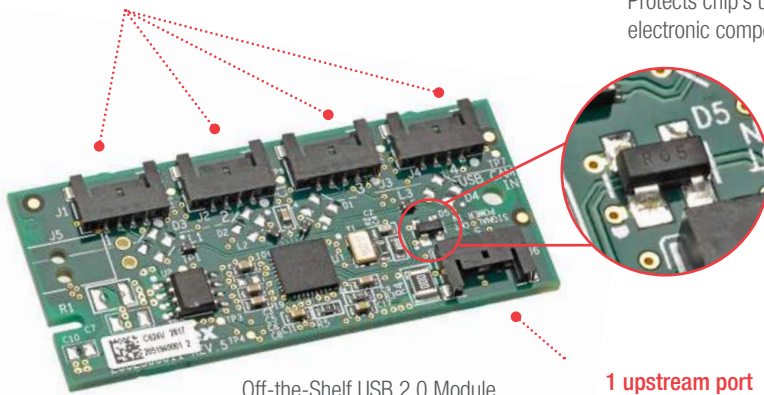
Protects chip's upstream electronic components

1 upstream port

Provides 100mA to device



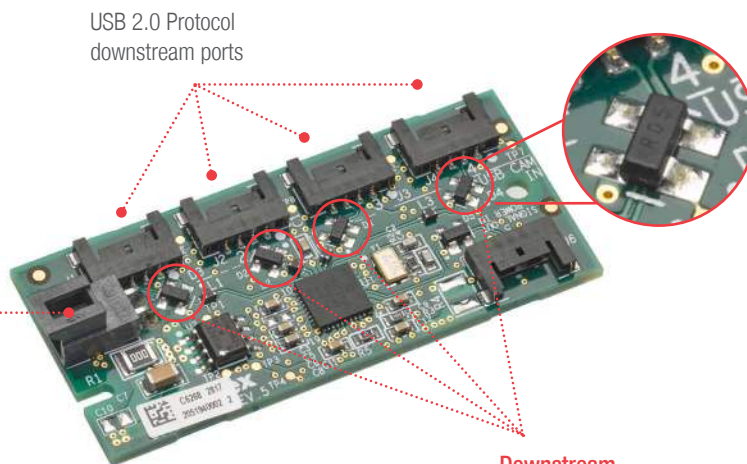
Left: Molex Standalone USB 2.0 Connector; Right: Pico-Lock USB 2.0 Connector Used in Molex USB Module



Off-the-Shelf USB 2.0 Module (No Power Connector)

5V Nano-Fit Power Connector

Delivers up to 500mA per port



USB 2.0 Protocol downstream ports

Off-the-Shelf USB 2.0 Module with Nano-Fit Power Connector

Downstream ESD protection

Protects chip's downstream electronic components

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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



USB 2.0 Hub Modules



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 Module w/o Power Connection	4	2
	USB 2.0 Module 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 Modules

www.molex.com/link/usbmodule.html

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