

Amphenol

COMMUNICATIONS SOLUTIONS

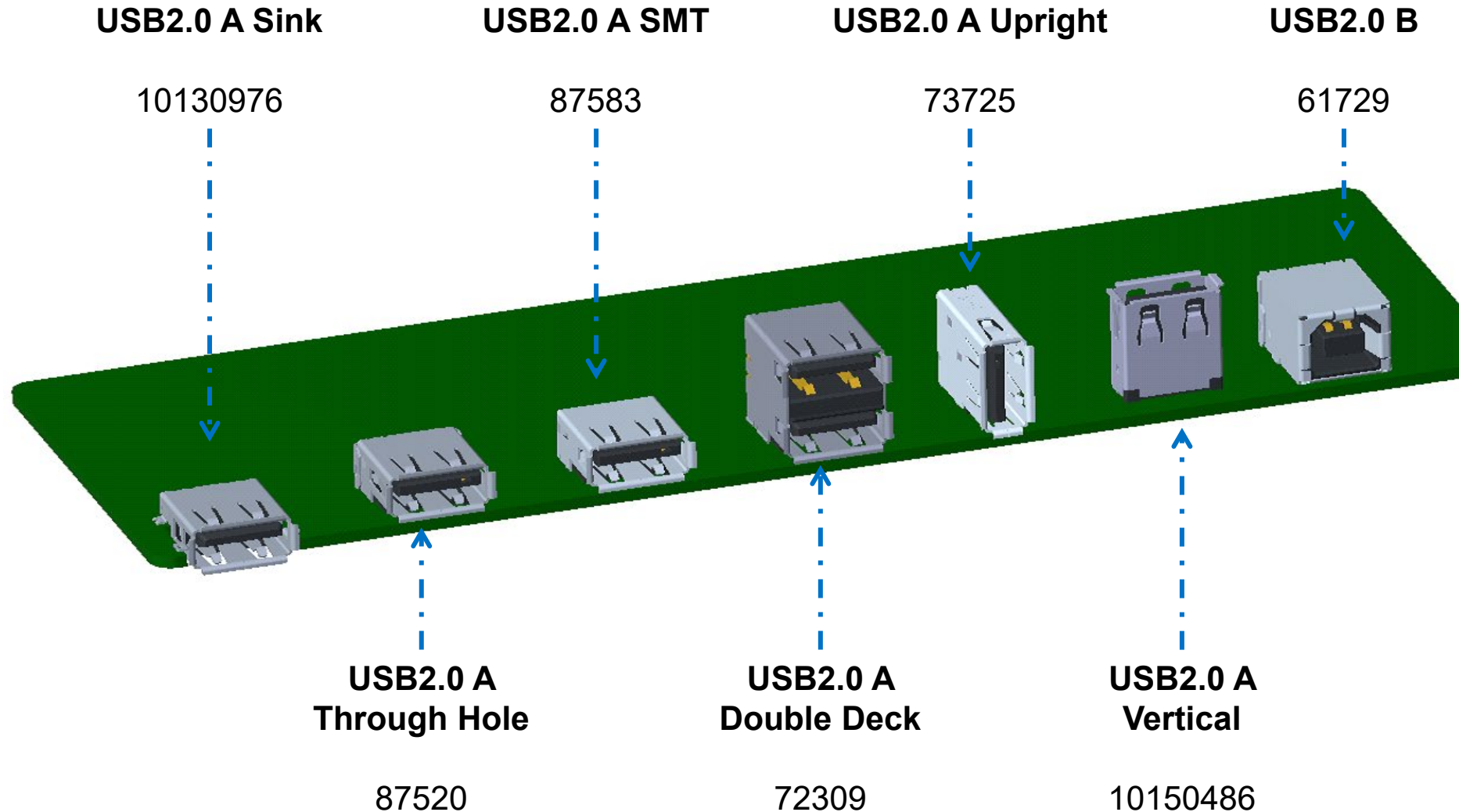
FCI Basics
USB 2.0 Type A & B
Product presentation

Feb 20th 2022

FCi Basics



- FCI Basics offer Type A and Type B USB2.0 solution, includes right angle and vertical solution with single & double deck, as well as upright type.
- FCI Basics USB2.0 are available in through hole mount and surface mount, as well as middle mount, support wave solder, PIP solder and IR reflow solder.
- FCI Basics USB2.0 solution is easy to be used and with high performance on current rating (2.5A~3.0A) and durability (up to 12000 cycles), data transfer rate up to 480Mb/s.
- FCI Basics USB 2.0 is ideal for applications in communication, computer, consumer, industry and medical equipment, as well as automotive(US Car certificated).



Specifications

- Meet USB 2.0 specification
- Data transmission Super Speed 480Mbps
- Support hot plugging
- TID, USCAR (Optional)

Electrical Performances

- Low Level Contact Resistance
 - Initial 30mΩ Max
 - After test 40mΩ Max
- Current Rating: 1.5-3.0A Max (See Datasheet)
- Insulation Resistance: >1000MΩ @500V DC 2Min
- Dielectric Withstanding Voltage: 750V AC

Environmental

- Operating Temperature: -55°C to +85°C
- Storage Temperature: -55°C to +85°C
- RoHS compliant
- Lead free, Halogen free

Materials

- Housing : High temperature thermoplastic
- Shell : Cooper Alloy or Stainless Steel
- Terminal: Cooper Alloy

Mechanical Performance

- Durability: 1500 ~ 12000 cycles (See Datasheet)
- Insertion Force: 35N Max.
- Withdrawal Force: 10 N Min
- Point of contact: 4

Packaging

- Tape and reel
- Tray
- Tube

Features	Benefits
Supports USB 2.0 Hi-Speed 480Mb/s communication	High signal integrity and minimal user waiting time
Robust design and high durability up to 12,000 cycles	Meet customer's demanding requirements
Hot-plugging capability	Ensures an easy connection
Current rating up to 3.0A	Support higher power application
High Temperature thermoplastic material	IR reflow Compatible
GXT® plating: (Au-flash over PdNi alloy)	Significantly increased corrosion resistance and ductility
Halogen-free	Aid efforts to minimize the use of environmentally sensitive materials in the electronics industry
Lead-Free and RoHS compliant	Meets environmental, health and safety requirements

Description	Part Numbers
USB 2.0 Type A Receptacle Right Angle Through Hole 30u" 4Pin	87520-0010BLF
USB 2.0 Type A Receptacle Right Angle SMT 30u" 4Pin	87583-2010BLF
USB 2.0 Type A Receptacle Vertical Through Hole Gold Flash 4Pin	10150486-101CLF
USB 2.0 Type A Receptacle Right Angle Through Hole 30u" 4Pin	10130976-101BLF
USB 2.0 Type A Receptacle Upright Through Hole 30u" 4Pin	73725-0110BLF
USB 2.0 Type A Receptacle Double Deck Right Angle Through Hole 30u" 8Pin	72309-8034BLF
USB 2.0 Type B Receptacle Right Angle Through Hole 30u" 4Pin	61729-0010BLF

Data

- Servers



Computer

- Laptop
- Desktop



Consumer

- Printer
- Set top box
- External Storage Systems



Automotive

- Infotainment



Medical

- Ultrasound
- Breathing machine



Industrial

- HMI
- Industry Computer
- POS (Point of sales)



THANK
YOU