

USB Interconnect System

Product Description

The USB interconnect system is designed to combine all personal computing interface ports into one connector. This system is plug-and-play, hot pluggable and can handle data rates up to 12Mbps. FCI offers a full series of type A and type B USB compliant connectors including single and double deck, top and side mount, long or short solder tail, thru-hole and SMT styles. FCI also offers the series A and B plug kits and cable assemblies.

Features

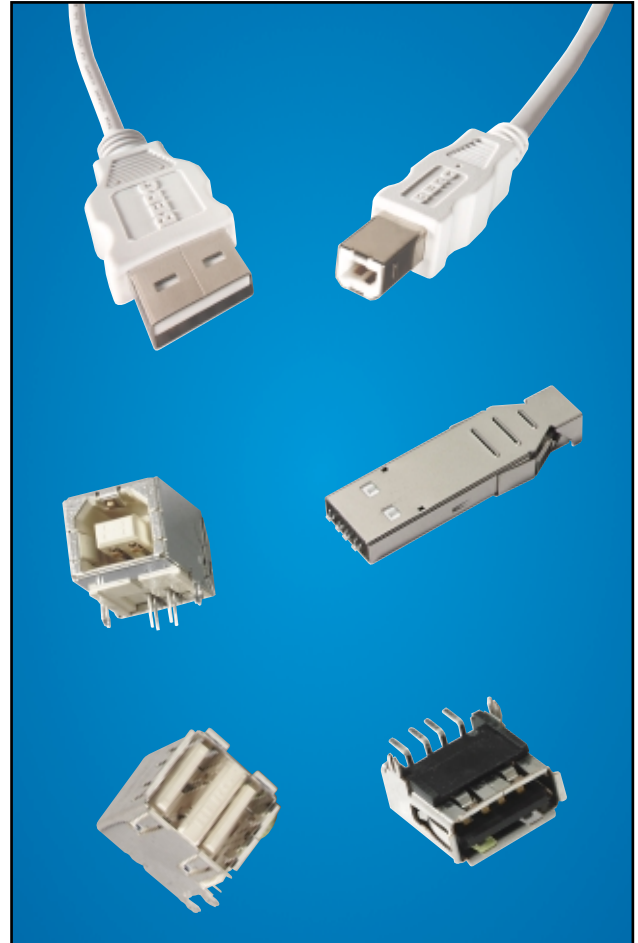
- 4-pin and 5-pin options
- Thru-hole or SMT versions
- Top, side and bottom mount options
- Available with or without rear shielding
- 30 μ " GXT™ plating available
- Available in white or black color

Benefits

- Plug and play
- Hot pluggable
- Serial data rate 1.5 Mbs - 12Mbs asynchronous and isochronous
- Single connector for all devices
- Broad industry support
- Standard feature in new PC chipsets
- Simple and flexible design

Target Markets

- Computing
- Peripherals
- Consumer
- Telecommunications



Target Applications

- Desktop PC's
- Laptops
- Printers
- Plotters
- Disk drives
- Servers
- CD's
- Monitors
- Televisions
- Digital cameras
- ISDN
- PBX's

Materials

- Receptacles
 - Housinghigh temperature thermoplastic UL94V-O rated
 - Contactscopper alloy
 - Shellcopper alloy
- Cables
 - Cable jacketPVC
 - Contactscopper alloy
 - Data conductors28 AWG twisted pair
 - Power conductorsnon-twisted pair
 - Shieldaluminized foil and 65% coverage tinned copper braid

Electrical Performance

- Meets USB standard
- Withstanding voltage30 rms
- Current rating1 amp contact
- Low level contact resistance30mΩ maximum
- Signal conductor impedance90Ω +/- 15%

Specifications

- USB compliant
- FCI product specification
 - ReceptaclesGES-12-095
 - CablesGES-12-094
 - ApprovalUL & CSA

Mechanical Performance

- Meets USB standard
- Durability1,500 cycles

Packaging

- Receptaclestubes
- Cablesone cable per bag

Part Numbers

Base Part Number	USB Type	Description	Board Thickness (mm)
72309	A Receptacle	8 Pins, Double Stack, Thru Hole	1.57
74923	A Receptacle	8 Pins, Double Stack, Thru Hole, Capacitive filtered	1.57
87520	A Receptacle	4 Pins, Thru Hole	1.57
87583	A Receptacle	4 Pins, Surface Mount with Thru Hole Mounting Claw	1.57
72313	A Receptacle	4 Pins, with sensing pin, Single Stack, Thru Hole	1.57
72507	A Receptacle	4 Pins, with sensing pin, Single Stack, Surface Mount	1.57
72367	A Receptacle	4 Pins, with sensing pin, Single Stack, Surface Mount with Thru Hole Mounting Claw	1.57
61819	A Receptacle	4 Pins, with and without sensing pin, Single Stack, Thru Hole with Screw Mount	0.8 to 1.2
74510	A Receptacle	4 Pins, Surface Mount with Thru Hole Mounting Claw and Screw Mount	0.8 to 1.2
73725	A Receptacle	4 Pins, Side Mount (Flag), Thru Hole	1.57
74612	A Receptacle	4 Pins, Straddle Mount, Surface Mount with Thru Hole Mounting Claw, with Screw Mount	1.00
74626	A Receptacle	4 Pins, Surface Mount with reversed housing	1.57
74239	A Receptacle +	4 Pins USB, 4 Additional Power Supply Pins (USB+Power)	1.57
61729	B Receptacle	4 Pins, Thru Hole	1.57
74032	A Plug	4 Pins, Low Speed, Solder Cup	
74033	A Plug	4 Pins, Full Speed, Solder Cup	
74233	A Plug +	4 Pins USB, 4 Additional Power Supply Pins (USB+Power), Full Speed, Solder Cup	
60880	B Plug	4 Pins, Low Speed, Solder Cup	
61730	B Plug	4 Pins, Full Speed, Solder Cup	
61768	B Plug, Rt. Angle	4 Pins, Full Speed, Solder Cup	
Cable Assemblies			
72378	A to A	Full Speed, For Device Manufacuteres	
72379	A to Blunt	Full Speed, For Device Manufacuteres	
72380	A to B	Full Speed	
72381	A to Rt. Angle B	Full Speed	

For options or additional product information, call your local FCI representative.



FCI connects the world

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