

Serial ATA



FCI continues to be a leader in the high speed data market with our latest offering of Serial ATA connectors. As an original member of the Serial ATA Working Group, FCI assisted in shaping the new high performance connector system. FCI is focused on Serial ATA application and continuing development with key customers to continue shaping the marketplace. Serial ATA (SATA) provides data speeds up to 3 Gbits per second while utilizing a smaller number of contacts. SATA is the next generation standard interface for all mainstream storage, data, notebook, and desktop applications.

SATA provides many significant advantages over the current parallel ATA standard. Improved density, along with lower voltage transmission eliminates the requirement for bulky ribbon cables. The result is much better airflow through the device utilizing this interconnect. In addition, SATA utilizes a first mate, last break contact arrangement for hot plugging capability.



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FCI – Your SATA Performance Leader



Serial ATA Features

- High density Serial data transmission at 1.5 to 3.0Gb/sec.
- Compliant with SATA 1.0a standard.
- Signal and power combined device I/O
- 2 differential pairs signal with grounds (7 pins)
- 3 different power voltage levels power with grounds (15 pins)
- Signal receptacles & plugs for internal cable connection.
- Combined signal / power receptacle for direct device plug-up.
- Guide pegs for blind mate.
- FMLB for hot plugging capability
- Through hole and SMT versions
- Solder hold-down / harpoon options



Additional information regarding
Serial ATA can be found at:

www.SerialATA.org

FCI Has Product to Meet Your Needs

FCI SATA connectors provide the superior performance required for today's data and storage market. With offerings in surface mount, through hole, and press fit terminations along with multiple board lock options, FCI has a product to exceed your requirements for applications such as:

Desktop Computers

Notebook Computers

Portable I/O Storage Devices

PCI Cards and Daughter Boards

Server Drives and Backpanel Attachment

Video equipment / Set Top Box etc