



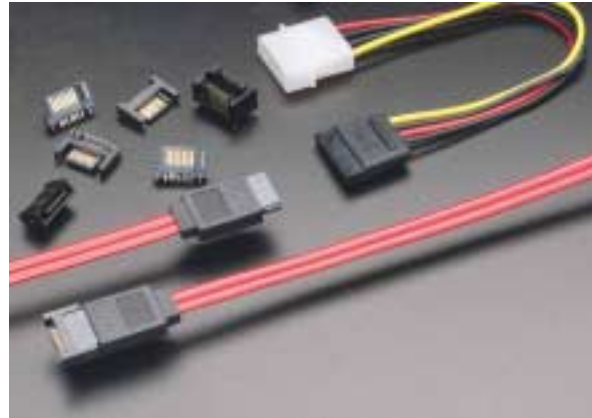
Electronics

Serial ATA

08/05 1654564

DESCRIPTION

Serial ATA is the next generation storage interface for PCs, low end servers and Direct Access Storage Devices (DASD). The current parallel ATA bus is not able to meet the increased bandwidth and performance demands of future Hard Disk Drive (HDD) storage applications.



APPLICATION

- Desktop/Deskside PCs
- Low end servers
- DASD (Direct Access Storage) systems/arrays

KEY FEATURES

- Point-to-point link with hot-plugging capability
- High speeds
 - First generation Serial ATA will provide 150 Mbytes/s
 - Second generation Serial ATA will provide 300 Mbytes/s
 - Third generation Serial ATA will provide 600 Mbytes/s
- Serial ATA is a small cable with 2 pair of conductors as compared to current Parallel ATA which requires 40 conductor ribbon cable that restricts airflow
- Improved connector design for higher reliability and easier installation
- Connectors are available in thru-hole and SMT in vertical and right angle styles

FOR MORE INFORMATION

Internet coming soon!
Internet: <http://sata.tycoelectronics.com>

Technical Support Center -1-800-522-6752

Product Manager – Rod Smith, PCB Connectors
Phone: 717-986-5912
Email: rsmith@tycoelectronics.com

Product Manager – Brent Hatfield, Cable Assemblies
Phone: 717-986-7037
Email: brent.hatfield@tycoelectronics.com

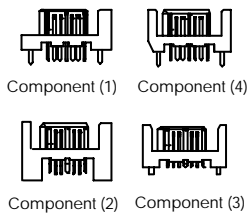
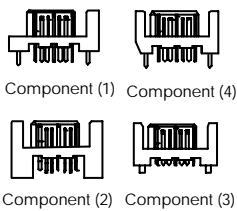
New product

Serial ATA

PART NUMBERS

PCB MT Components

No.	Part Number	Description
4	1470068-2	7 Pos Vertical PCB Plug (Type A) 15 Au (T/H)
4	1470634-2	7 Pos Vertical PCB Plug (Type A) 15 Au (T/H)
1	1470640-2	7 Pos Vertical PCB Plug (Type A) 15 Au (T/H)
3	1470639-2	7 Pos Vertical SMT Plug 15 Au
1	1470641-2	7 Pos Vertical PCB Plug (Type B) 15 Au (T/H)
2	1470635-2	7 Pos R/A PCB Plug (SMT) 15 Au
2	1470638-2	7 Pos R/A PCB Plug (SMT) 15 Au
5	1470742-2	15 P/7P Straddle MT PCB 15 Au



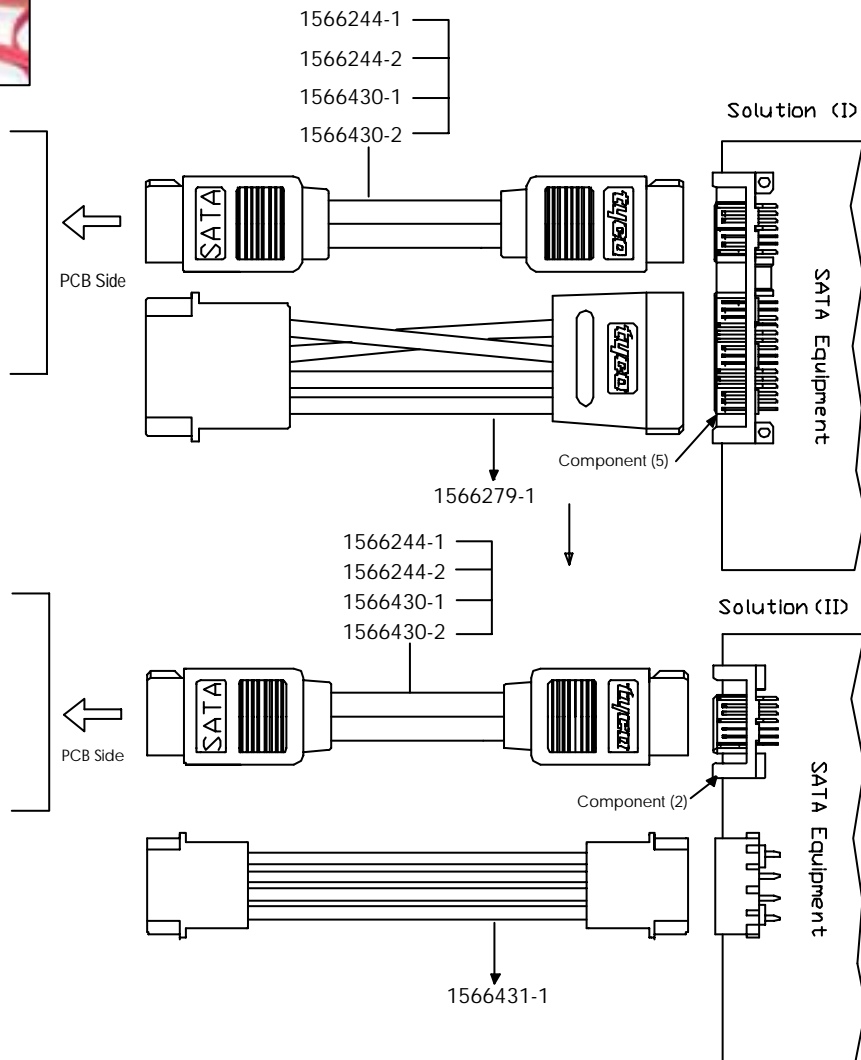
Cable Assemblies

Part Number	Description
1566244-1	SATA Signal Cable 7P, Length 500mm (Type I)
1566244-2	SATA Signal Cable 7P, Length 500mm (Type II)
1566430-1	SATA Signal Cable 7P, Length 500mm (Type II)
1566430-2	SATA Signal Cable 7P, Length 500mm (Type II)
1566279-1	SATA Power Cable 15P-4P Vertical
1566431-1	4P-4P Power Cable Vertical



Bulk Cable

Part Number	Description
1566280-1	Cable UL20276 (26AWG*2C+D*2C+AL) *2



Serial ATA

PART NUMBERS

Backplane Components

No.	Part Number	Description
6	1470740-2	15P/7P Vertical SMT Receptacle (No Hold Downs)
6	1470878-2	15P/7P Vertical SMT Receptacle (P/F Hold Downs)
6	1470879-2	15P/7P Vertical TH Receptacle (P/F Hold Downs)
5	1470742-2	15P/7P Straddle Mt PCB Plug 15 Au

