



Serial ATA\* –

The Next Wave Of Storage

Interconnect Applications



# Serial ATA Board-to-Board and Cable-to-Board Solutions To Meet All Storage Applications

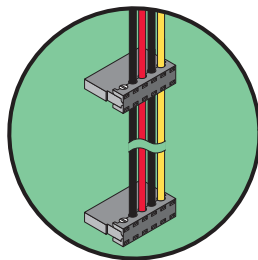
Changing applications in digital consumer technology are re-shaping the storage application landscape. Moving beyond traditional desktop and network storage, Serial ATA is fast finding its way into the consumer electronic products with integrated hard disk drives.

These include HDD-DVD recorders, home servers, multimedia hubs, LCD TVs, digital juke boxes, HDD-enabled game consoles, set-top boxes with personal video recorders, audio players and automobile audio visual devices.

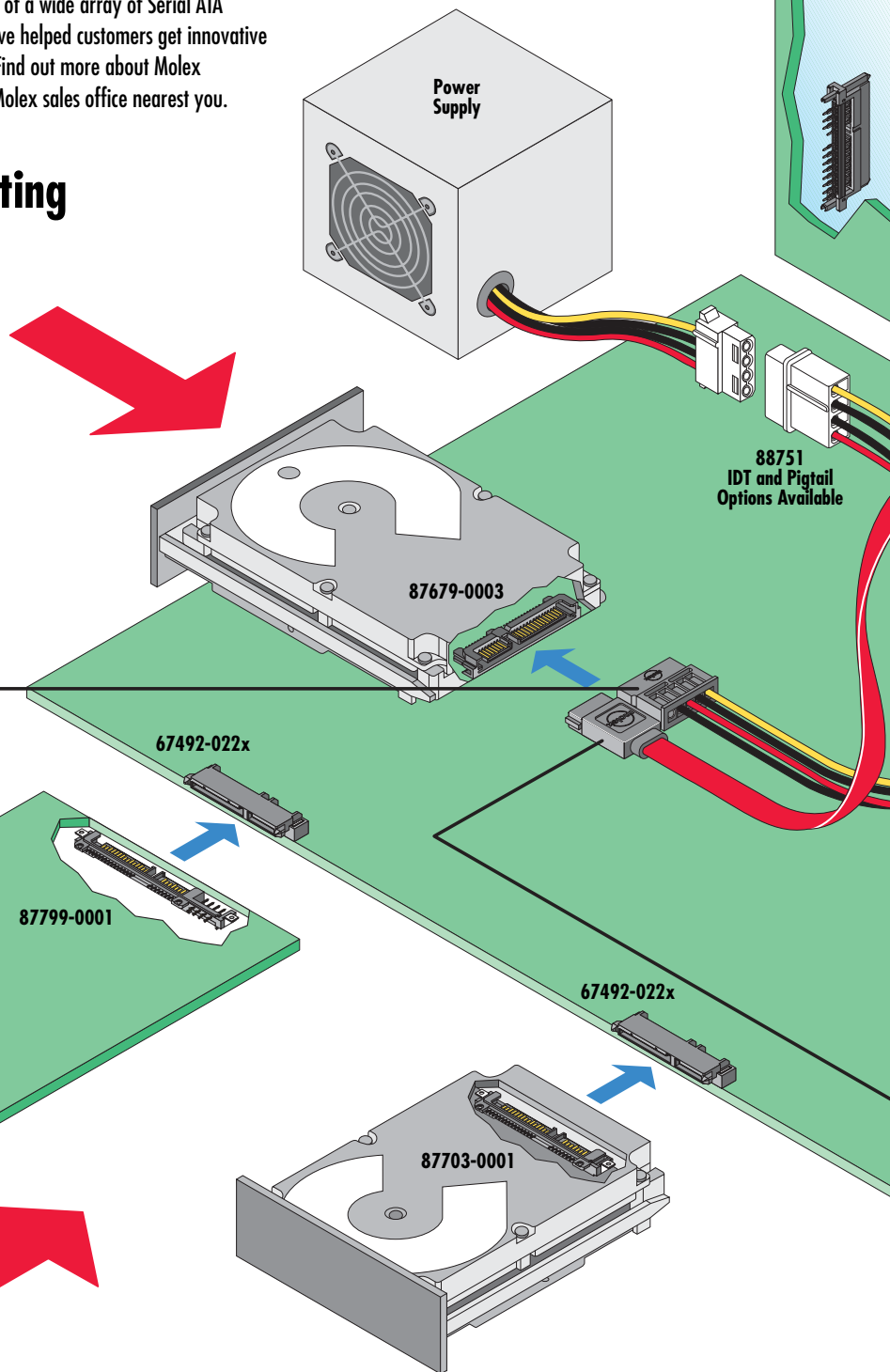
Molex's global leadership and expertise in the design and manufacture of a wide array of Serial ATA interconnect systems for the world's leading hard disk drive makers have helped customers get innovative products to the market sooner with greater reliability and lower cost. Find out more about Molex Serial ATA products from our website at [www.molex.com](http://www.molex.com), or contact a Molex sales office nearest you.

## Desktop Computing

- Hard Disk Drive
- Motherboard
- Power Supply
- Adapters
- Controller Boards
- Data Protection
- Workstation



88761  
IDT Feed-To and  
Feed-Through  
Versions

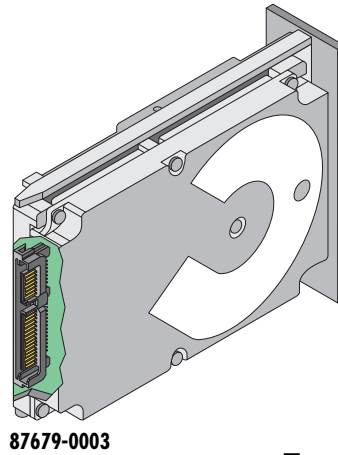
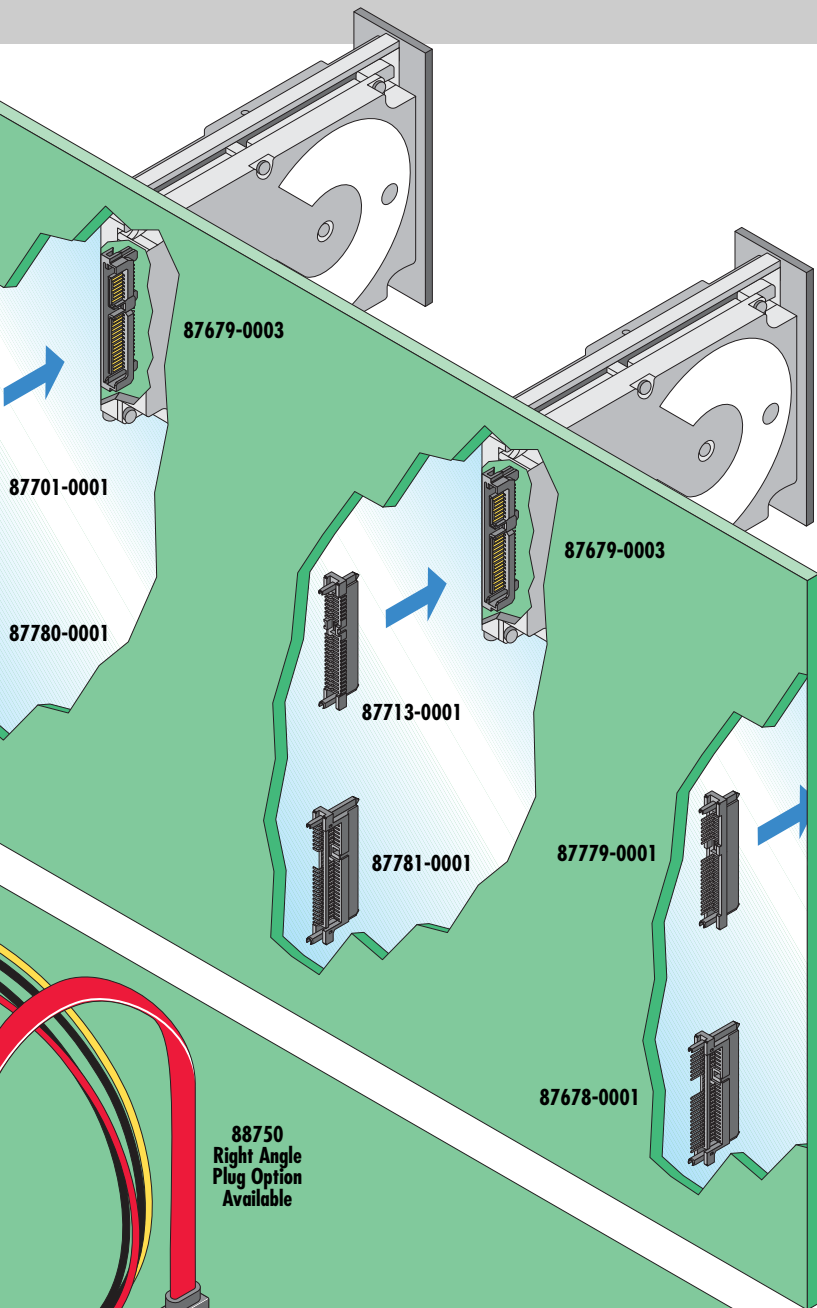


## Mobile Computing

- Notebook PC
- Sub-Notebook PC
- Media PC
- Multimedia Peripherals

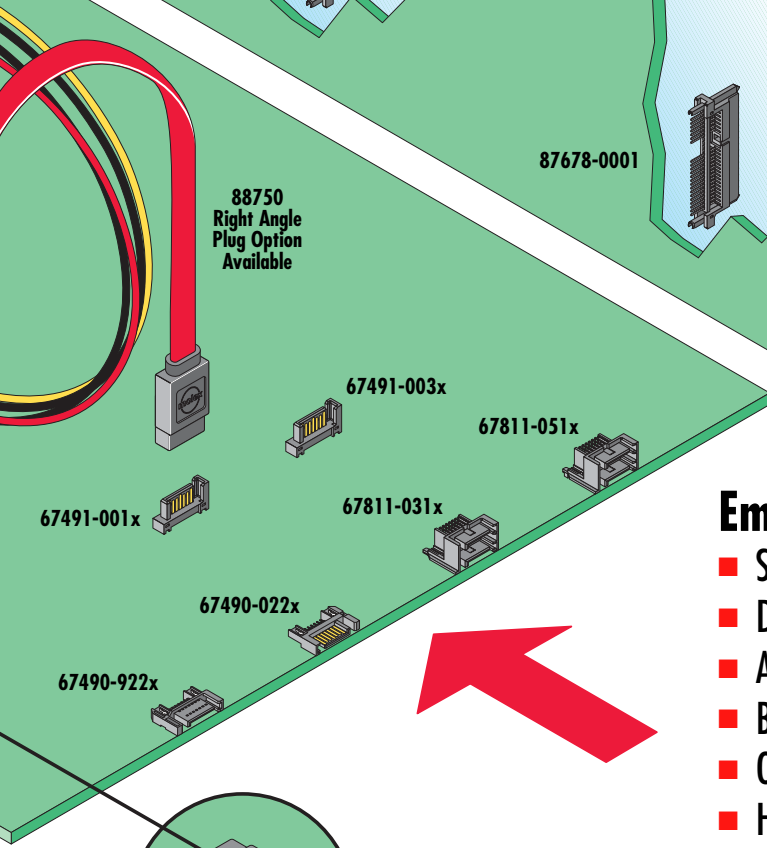
**molex**® **Serial ATA Connectors**  
**Family Overview**  
**and Applications**

Locking Latch options available. Please contact your nearest Molex sales office.



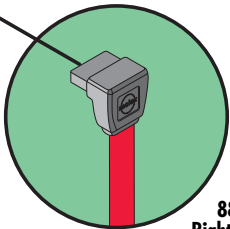
**Enterprise Computing**

- Mid Range Servers
- Network Storage
- RAID Storage
- Backplane
- Internet Services



**Emerging Trends**

- Set-Top Box
- Digital Audio
- Automotive – Navigation
- Brown Goods
- Optical Drives
- HDTV Home Theatre
- Games – 3D Video



88762-5400  
 Right Angle Version

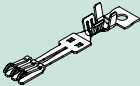
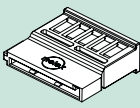
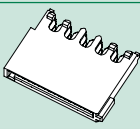
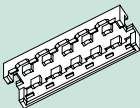
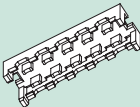
\*Serial ATA is a trademark of the Serial ATA<sup>SM</sup> Trade Association



SIGNAL PLUGS					
	Description	Part Number	Feature		Mates With
	Right Angle SMT Signal Plug (Reverse Mount)	67490-0220	Gold Flash		
		67490-0221	0.76 μm/30 μm Gold		
		67490-0225	0.38 μm/15 μm Gold		
	Right Angle SMT Signal Plug (Standard Mount)	67490-9220	Gold Flash	Tray	
		67490-9221	0.76 μm/30 μm Gold		
		67490-9225	0.38 μm/15 μm Gold		
		67490-9230	Gold Flash	Embossed Tape on Reel	
		67490-9231	0.76 μm/30 μm Gold		
		67490-9235	0.38 μm/15 μm Gold		
		67490-9240	Gold Flash	Tube	
		67490-9241	0.76 μm/30 μm Gold		
67490-9245	0.38 μm/15 μm Gold				
	Vertical Through hole Signal Plug (Footprint A)	67491-0010	Gold Flash	2.05mm PC Tail	67489 88750-5310 88750-5318 88750-5410 88750-5418 88762-5400 88762-5410
		67491-0011	0.76 μm/30 μm Gold		
		67491-0012	0.38 μm/15 μm Gold		
		67491-0015	Gold Flash	2.35mm PC Tail	
		67491-0016	0.76 μm/30 μm Gold		
		67491-0017	0.38 μm/15 μm Gold		
	Vertical Through hole Signal Plug (Footprint B)	67491-0030	Gold Flash	2.05mm PC Tail	
		67491-0031	0.76 μm/30 μm Gold		
		67491-0032	0.38 μm/15 μm Gold		
		67491-0035	Gold Flash	2.35mm PC Tail	
		67491-0036	0.76 μm/30 μm Gold		
		67491-0037	0.38 μm/15 μm Gold		
	Right Angle SMT Stack Signal Plug	67811-0310	Gold Flash		
		67811-0312	0.76 μm/30 μm Gold		
		67811-0315	0.38 μm/15 μm Gold		
	Right Angle SMT Stack Signal Plug (with standoff)	67811-0510	Gold Flash	1.30mm Standoff	
		67811-0512	0.76 μm/30 μm Gold		
		67811-0515	0.38 μm/15 μm Gold		

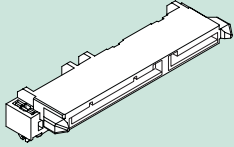
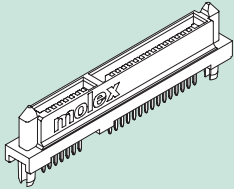
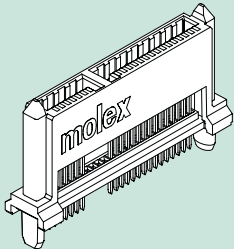
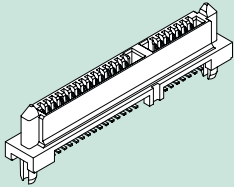
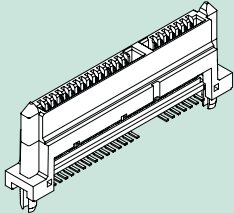
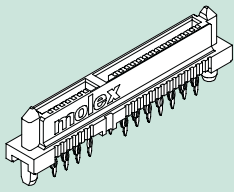
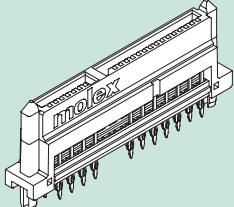
SIGNAL CABLE RECEPTACLES					
	Description	Part Number	Feature		Mates With
	Right Angle Signal Receptacle	67489-1001	Gold Flash		67490 67491 67811 87679 87703 87799
		67489-1002	0.76 μm/30 μm Gold		
		67489-1005	0.38 μm/15 μm Gold		
	Vertical Signal Receptacle	67489-8001	Gold Flash		
		67489-8002	0.76 μm/30 μm Gold		
		67489-8005	0.38 μm/15 μm Gold		

**POWER CONNECTORS**

	Description	Part Number	Feature		Mates With
	Crimp Power Terminal	67581-0000	Gold Flash	Reel Direction 1 (Clockwise)	Use with 67582
		67581-0001	0.76µm/30µl' Gold	Reel Direction 1 (Clockwise)	
		67581-0002	0.38µm/15µl' Gold	Reel Direction 1 (Clockwise)	
		67581-0010	Gold Flash	Reel Direction 2 (Anti-Clockwise)	
		67581-0011	0.76µm/30µl' Gold	Reel Direction 2 (Anti-Clockwise)	
		67581-0012	0.38µm/15µl' Gold	Reel Direction 2 (Anti-Clockwise)	
	Crimp Power Housing	67582-0000			Use with 67581
	IDT Power Receptacle	67926-0011	Gold Flash		Use with 67926-0040 67926-0041
		67926-0012	0.76µm/30µl' Gold		
		67926-0015	0.38µm/15µl' Gold		
	Feed-To Cover for IDT Power Receptacle	67926-0040	Feed-To Termination Style		Use with 67926-0011 67926-0012 67926-0015
	Feed-Through Cover for IDT Power Receptacle	67926-0041	Feed-Through Termination Style		

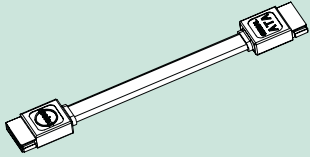
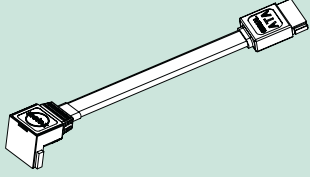
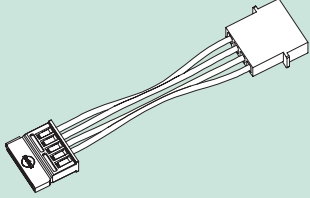
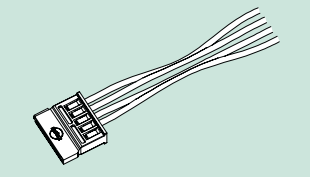
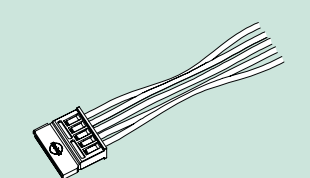
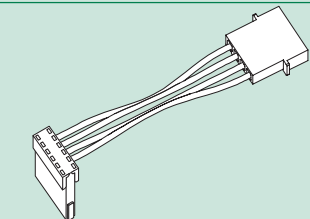
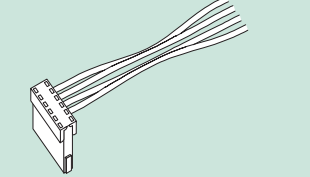
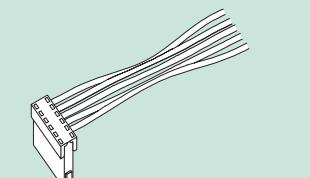
**COMBO PLUGS**

	Description	Part Number	Mates With	
			Board-to-Board	Cable-to-Board
	Device Plug, Straddle Mount	87679-0003		
	Device Plug, SMT With Jumper	87799-0001	67492 87678 87701 87713 87779 87780 87781	67489 88750 88751 88757 88761 88762
	Device Plug, SMT Without Jumper	87703-0001		

COMBO RECEPTACLES				
	Description	Part Number	Feature	Mates With
	Right Angle SMT Receptacle (below PCB; height 6.74mm)	67492-0220	Gold Flash	87679 87703 87799
		67492-0221	0.76µm/30µl' Gold	
		67492-0222	0.38µm/15µl' Gold	
	Vertical Backplane Receptacle, Through Hole, Standard Height	87779-0001		
	Vertical Backplane Receptacle, Through Hole, Extended Height	87678-0001		
	Vertical Host Receptacle, SMT, Standard Height	87713-0001	0.76µm/30µl' Gold	
	Vertical Host Receptacle, SMT, Extended Height	87781-0001		
	Vertical Host Receptacle, Press-Fit, Standard Height	87701-0001		
	Vertical Host Receptacle, Press-Fit, Extended Height	87780-0001		



**CABLE ASSEMBLIES**

	Description	Part Number	Feature	Mates With	
	Signal Cable Assembly, Straight-to-Straight	88750-5310	0.5m, Grey	67490 67491 67811 87679 87703 87799	
		88750-5318	0.5m, Red		
		88750-5410	1.0m, Grey		
		88750-5418	1.0m, Red		
	Signal Cable Assembly, Straight-to-Right Angle	88762-5400	0.5m, Red		
		88762-5410	1.0m, Red		
	Power Adapter, Crimping Type	88751-1310	6" length, Gold Flash, (5V+12V)		87679 87703 87799
		88751-1311	6" length, 0.76 $\mu$ m/30 $\mu$ l' Gold, (5V+12V)		
	4-pin Power Harness to Pigtail, Crimping Type	88751-1410	1.5m length, Gold Flash, (5V+12V)		
		88751-1411	1.5m length, 0.76 $\mu$ m/30 $\mu$ l' Gold, (5V+12V)		
	5-pin Power Harness to Pigtail, Crimping Type	88757-7810	1.5m length, Gold Flash, (3.3V+5V+12V)		
		88757-7811	1.5m length, 0.76 $\mu$ m/30 $\mu$ l' Gold, (3.3V+5V+12V)		
	Power Adapter, IDT Type	88761-4500	6" length, Gold Flash, (5V+12V) Feed-To Version		
		88761-4510	6" length, 0.76 $\mu$ m/30 $\mu$ l' Gold, (5V+12V) Feed-To Version		
	4-pin Power Harness to Pigtail, IDT Type	88761-4600	1.5m length, Gold Flash, (5V+12V) Feed-To Version		
		88761-4610	1.5m length, 0.76 $\mu$ m/30 $\mu$ l' Gold, (5V+12V) Feed-To Version		
	5-pin Power Harness to Pigtail, IDT Type	88761-4700	1.5m length, Gold Flash, (3.3V+5V+12V) Feed-To Version		
		88761-4710	1.5m length, 0.76 $\mu$ m/30 $\mu$ l' Gold, (3.3V+5V+12V) Feed-To Version		



*Bringing People & Technology Together, Worldwide<sup>SM</sup>*

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