

## Datasheet for 76650-0169

### General Information

<b>Part Number:</b>	76650-0169
<b>Manufacturer:</b>	Molex / Waldom
<b>Title:</b>	Serial ATA Signal Connector Kit
<b>Description:</b>	Signal Vertical and Right Angle Header and Receptacle
<b>Product Family:</b>	Serial ATA
<b>Certificates:</b>	(Molex Parts within this kit) - EU RoHS Compliant
<b>Country of Origin:</b>	Kit assembled in U.S.A.

### Specifications

#### Design

<b>Configuration:</b>	Wire-to-Board and Board-to-Board
<b>Pitch:</b>	1.27mm (.050")
<b>Connector Type:</b>	Receptacle and Header

#### Mounting

<b>Orientation:</b>	Vertical and Right Angle
<b>Circuit Sizes:</b>	7 Circuit
<b>Current Rating:</b>	1.5 Amps
<b>Voltage:</b>	15 Volts DC

### Product Highlights

Along with the digital revolution, the ability to create, store and distribute vast amounts of music data and games is continually driving demand for higher speed, higher capacity storage drives with increasingly smaller form factors. This has opened up new storage applications for Serial ATA\* as hard disk drives are increasingly being designed into a growing number of HDD-DVD recorders, home servers, multimedia hubs, LCD TVs, digital jukeboxes, HDD-enabled game consoles, audio players and automobile audio visual products.

### Features and Benefits

- First-mate/last-break (FMLB), supports Hot Plugging
- Right angle design (low profile), accommodates height constraints
- Solderable metal pin, provides retention to the PCB
- Beveled metal pin, provides PCB retention

### Applications

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

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\*Serial ATA is a trademark of the Serial ATA Trade Association

### Bill of Materials for Part No. 76650-0169

Molex Part No.	Country of Origin	Description	Quantity in Kit
67489-1005	China	1.27mm (.050") Pitch Serial ATA Right Angle Receptacle, 7 Circuit, Gold	10
47155-4001	China	1.27mm (.050") Pitch Serial ATA Vertical Header, High Speed, 7 Circuit A, Gold, Latch	5
67489-8005	China	1.27mm (.050") Pitch Serial ATA Vertical Receptacle 7 Circuit, Gold	10
67490-1220	China	1.27mm (.050") Pitch Serial ATA Right Angle SMT Header, 7 Circuit, Gold	5
67491-0020	China	1.27mm (.050") Pitch Serial ATA Vertical Header, High Speed, 7 Circuit A, Gold Flash	5
67491-1032	China	1.27mm (.050") Pitch Serial ATA Vertical Header, High Speed, 7 Circuit B, Selective Gold	5

### No Recommended Molex Tool for Part No. 76650-0169