

## Datasheet for 76650-0168

### General Information

<b>Kit Part Number:</b>	76650-0168
<b>Connector Type:</b>	Board-to-Board
<b>Solution:</b>	High Speed Connectors
<b>Molex Family:</b>	SlimStack™
<b>Certificates:</b>	N/A
<b>Country of Origin:</b>	Kit assembled in U.S.A

### Specifications

<b>Circuit Size:</b>	20, 40, 60, 80
<b>Current Rating:</b>	0.5A
<b>Mounting Style:</b>	SMT (Surface Mount Technology)
<b>Orientation:</b>	Vertical Headers, Vertical Receptacles
<b>Pitch:</b>	0.635mm (.025")
<b>Speed:</b>	<= 3 Ghz
<b>Style:</b>	Mezzanine
<b>Voltage Rating:</b>	100V

### Product Highlights

Molex's SlimStack™ connectors are tested to accommodate frequency rates up to 3 GHz for various high-speed applications. With a broad range of circuit sizes and stack heights, SlimStack™ offers an economical way to achieve high-speed performance in both 50 and 100 Ohm systems.

#### Features and Benefits

- 3 GHz performance
- Cross Talk • 6.00 to 16.00mm stack heights
- Economical design
- For 50 and 100 Ohm applications
- Anti-flux design
- Metal solder tabs provide PCB hold down and strain relief for SMT tails
- Polarizing pegs assist placement
- Housing lock on 20 to 60 circuits
- Superior terminal design/wipe length
- Easy board processing

#### Applications

- Mobile Phone
- PDA
- Digital Video Camera
- Digital Still Camera
- Digital Video Player
- Digital Audio Player
- Voice Recorder
- Notebook PC

<http://www.molexkits.com>

- Any Compact Applications

**Bill of Materials**

<b>Molex Part No.</b>	<b>Description</b>	<b>Quantity</b>
52885-0274	0.635mm (.025") Pitch SlimStack™ 20 Circuit Receptacle, H = 5.00mm (.197")	2
52885-0474	0.635mm (.025") 40 Circuit Receptacle, H = 5.00mm (.197")	2
52885-0874	0.635mm (.025") 80 Circuit Receptacle, H = 5.00mm (.197")	1
52901-0274	0.635mm (.025") Pitch SlimStack™ 20 Circuit Receptacle, H = 11.00mm (.433")	2
52901-0874	0.635mm (.025") 80 Circuit Receptacle, H = 11.00mm (.433")	1
52901-0474	0.635mm (.025") 40 Circuit Receptacle, H = 11.00mm (.433")	2
52901-0674	0.635mm (.025") 60 Circuit Receptacle, H = 11.00mm (.433")	1
55091-0274	0.635mm (.025") Pitch SlimStack™ 20 Circuit Plug, H = 6.00mm (.236")	2
55091-0474	0.635mm (.025") 40 Circuit Header, H = 6.00mm (.236")	2
55091-0674	0.635mm (.025") 60 Circuit Header, H = 6.00mm (.236")	1
55091-0874	0.635mm (.025") 80 Circuit Header, H = 6.00mm (.236")	1
53647-0274	0.635mm (.025") Pitch SlimStack™ 20 Circuit Plug, H = 8.00mm (.315")	2
53647-0474	0.635mm (.025") 40 Circuit Header, H = 8.00mm (.315")	2
53647-0674	0.635mm (.025") 60 Circuit Header, H = 8.00mm (.315")	1
53627-0474	0.635mm (.025") 40 Circuit Header, H = 10.00mm (.393")	2
53627-0674	0.635mm (.025") 60 Circuit Header, H = 10.00mm (.393")	1
53627-0874	0.635mm (.025") 80 Circuit Header, H = 10.00mm (.393")	1

**Recommended Molex Tool**

<b>Molex Part No.</b>	<b>Description</b>
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