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### The connector kit specialist

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## Datasheet for 76650-0006

| General Information | |
| --- | --- |
| **Kit Part Number:** | 76650-0006 |
| **Connector Type:** | I/O, I/O Wire-to-Board |
| **Solution:** | High Speed I/O Connectors |
| **Molex Family:** | iPass™ |
| **Certificates:** | N/A |
| **Country of Origin:** | Kit assembled in U.S.A |

| Specifications | |
| --- | --- |
| **Circuit Size:** | 26 |
| **Current Rating:** | 0.5A |
| **Mounting Style:** | SMT (Surface Mount Technology) |
| **Orientation:** | Right Angle Receptacle |
| **Pitch:** | 0.80mm (.031") |
| **Speed:** | 10 Gbps (Gigabits Per Second) |
| **Voltage Rating:** | 30V |
| **Wire Gauge (AWG):** | iPassâ„¢ Cables 74547 Series |

## Product Hightlights

The SMT design provides placement options on both sides of the PCB, as well as placement stability. With a pitch of 0.8mm (.031"), the design also allows for easy routing. Plus, standoffs allow for easy PCB cleaning after soldering. The iPass™ Interconnect System offers both connectors and cable assemblies that enable flexible speed compatibility for applications ranging from 1.5G up through 10G, and is an ideal interconnect solution for the growing server storage market.

Features and Benefits
• Multiple guide rail configurations provide board design flexibility
• Die cast guide rail provides robust chassis-to-chassis interface
• Guide frame gaskets provide improved EMI performance
• Screw attachment for the guide rail to PCB provides a durable I/O connection during the cable management process
• Designed for placement beneath guide frame for external applications
• High-temperature thermoplastic for lead free processing
• Alignment posts provide stability for placement on the PCB
• Standoffs allow for easy PCB cleaning after soldering
• SMT design allows for ease of routing and provides the option for placement on both sides of the PCB

Applications
• HBAs (Host Bus Adapters) Servers
• Storage Racks
• Switches and Routers
• RAID (Redundant Array of Independent Disks)
• JBOD (Just a Bunch of Disks)
• Industrial Computers and Work Stations
• Removable Media Drives and Memory Modules

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**Bill of Materials**

| Molex Part No. | Description | Quantity |
|---|---|---|
| 75586-0009 | I-Pass™ 26 Circuit SMT Right Angle, External Application | 10 |
| 74548-0205 | I-Pass™ Guide Frame 1 by 4 Port Size, Port Keying 4 | 1 |
| 74548-0208 | I-Pass™ Guide Frame 1 by 2 Port Size, Port Keying 4 | 1 |
| 74548-0211 | I-Pass™ Guide Frame 1 by 1 Port Size, Port Keying 4 | 4 |

**Recommended Molex Tool**

| Molex Part No. | Description |
|---|---|
| None | No Additional Information |