

## Datasheet for 76650-0006

### General Information

<b>Part Number:</b>	76650-0006
<b>Manufacturer:</b>	Molex / Waldom
<b>Title:</b>	I-Pass Connector Kit
<b>Description:</b>	SMT High Speed I/O
<b>Product Family:</b>	iPass™
<b>Certificates:</b>	(Molex Parts within this kit) - EU and China RoHS Compliant
<b>Country of Origin:</b>	Kit assembled in U.S.A.

### Specifications

#### Design

**Configuration:** Wire-to-Board

**Pitch:** 0.8mm (0.031")

**Connector Type:** Receptacle

#### Mounting

**Orientation:** Right Angle

**Circuit Sizes:** 26

**Current Rating:** 0.5 Amps

**Voltage:** 30 Volts AC(RMS)/DC

**Wire:** Use iPass™ Cables 74547 Series

### Product Highlights

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.

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Features and Benefits	Applications
<ul style="list-style-type: none"> <li>• Multiple guide rail configurations provide board design flexibility</li> <li>• Diecast guide rail provides robust chassis-to-chassis interface</li> <li>• Guide frame gaskets provide improved EMI performance</li> <li>• Screw attachment for the guide rail to PCB provides a durable I/O connection during the cable management process</li> <li>• Designed for placement beneath guide frame for external applications</li> <li>• High-temperature thermoplastic for lead-free processing</li> <li>• Alignment posts provide stability for placement on the PCB</li> <li>• Standoffs allow for easy PCB cleaning after soldering</li> <li>• SMT design allows for ease of routing and provides the option for placement on both sides of the PCB</li> </ul>	<ul style="list-style-type: none"> <li>• HBAs (Host Bus Adapters) Servers</li> <li>• Storage Racks</li> <li>• Switches and Routers</li> <li>• RAID (Redundant Array of Independent Disks)</li> <li>• JBOD (Just a Bunch of Disks)</li> <li>• Industrial Computers and Work Stations</li> <li>• Removable Media Drives and Memory Modules</li> <li>• Graphic Subsystems</li> <li>• Networking</li> <li>• Base Station</li> <li>• Enterprise Routers and Switches</li> <li>• Inverse Mux</li> <li>• Network Interface Cards</li> </ul>

**Bill of Materials for Part No. 76650-0006**

Molex Part No.	Country of Origin	Description	Quantity in Kit
75586-0009	USA	I-Pass 26 Circuit SMT Right Angle Ext.	10
74548-0205	China	I-Pass Guide Frame 1x4 Port Size, Port Keying 4	1
74548-0208	China	I-Pass Guide Frame 1x2 Port Size, Port Keying 4	1
74548-0211	China	I-Pass Guide Frame 1x1 Port Size, Port Keying 4	4

**No Recommended Molex Tool for Part No. 76650-0006**

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