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**Part Number:** [75586-0003](#)  
**Status:** **Active**  
**Overview:** [iPass™ Connector System](#)  
**Description:** 0.80mm Pitch, iPass™ I/O SMT Receptacle, Right Angle, External Application, 36 Circuit, 0.38µm Gold (Au)

**Documents:**  
[3D Model](#)  
[Drawing \(PDF\)](#)  
[Product Specification PS-75586-001 \(PDF\)](#)  
[Application Specification AS-75586-001 \(PDF\)](#)  
[RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

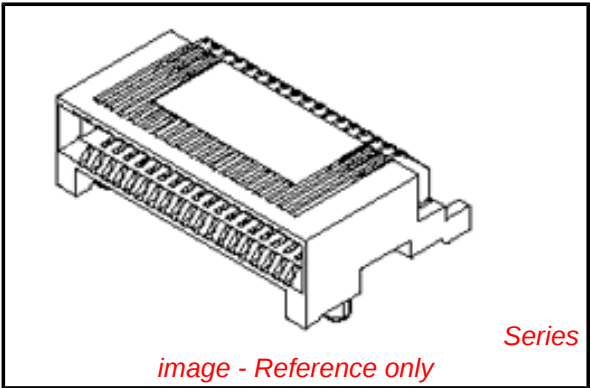
CSA LR19980  
UL E29179

**General**

Product Family I/O Connectors  
Series [75586](#)  
Application Wire-to-Board  
Component Type Receptacle  
Overview [iPass™ Connector System](#)  
Product Name iPass™, PCI Express\*, SAS  
Type N/A  
UPC 822348852475

**Physical**

Boot Color N/A  
Circuits (Loaded) 36  
Circuits (maximum) 36  
Color - Resin Black  
Durability (mating cycles max) 50  
Flammability 94V-0  
Gender Female  
Keying to Mating Part None  
Lock to Mating Part None  
Material - Metal High Performance Alloy (HPA)  
Material - Plating Mating Gold  
Material - Plating Termination Tin  
Material - Resin High Temperature Thermoplastic  
Net Weight 0.935/g  
Number of Rows 2  
Orientation Right Angle  
PCB Locator Yes  
PCB Retention None  
PCB Thickness - Recommended 1.35mm  
Packaging Type Embossed Tape on Reel  
Panel Mount No  
Pitch - Mating Interface 0.80mm  
Pitch - Termination Interface 0.80mm  
Plating min - Mating 0.381µm  
Plating min - Termination 2.540µm  
Polarized to Mating Part Yes  
Polarized to PCB Yes  
Ports 1  
Surface Mount Compatible (SMC) Yes  
Temperature Range - Operating -40°C to +80°C



**EU RoHS**  
**ELV and RoHS**  
**Compliant**  
**REACH SVHC**  
**Contains SVHC: No**  
**Low-Halogen Status**  
**Low-Halogen**



**Need more information on product environmental compliance?**  
Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
For a multiple part number RoHS Certificate of Compliance, [click here](#)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**  
[75586Series](#)

**Mates With**  
[74547](#) iPass™ Cable Assembly

**Use With**  
[74548](#) I/O Connectors

|                                                |                           |
|------------------------------------------------|---------------------------|
| Termination Interface: Style                   | Surface Mount             |
| Waterproof / Dustproof                         | No                        |
| Wire Insulation Diameter                       | N/A                       |
| Wire Size AWG                                  | N/A                       |
| <b>Electrical</b>                              |                           |
| Current - Maximum per Contact                  | 0.5A                      |
| Grounding to Panel                             | N/A                       |
| Shielded                                       | No                        |
| Voltage - Maximum                              | 30V AC (RMS)/DC           |
| <b>Solder Process Data</b>                     |                           |
| Duration at Max. Process Temperature (seconds) | 20                        |
| Lead-free Process Capability                   | Reflow Capable (SMT only) |
| Max. Cycles at Max. Process Temperature        | 1                         |
| Process Temperature max. C                     | 260                       |
| <b>Material Info</b>                           |                           |
| <b>Reference - Drawing Numbers</b>             |                           |
| Application Specification                      | AS-75586-001              |
| Electrical Model Document                      | EE-75586-001              |
| Product Specification                          | PS-75586-001              |
| S-Parameter Model                              | SP-75586-001              |
| Sales Drawing                                  | SD-75586-001              |
| Signal Integrity Report                        | SI-75586-0001             |

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