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**Part Number:** [75783-0129](#)  
**Status:** **Active**  
**Overview:** iPass™  
**Description:** 0.80mm Pitch, iPass™ I/O SMT Receptacle, Right Angle, Internal Assembly with Shell, 36 Circuit, 0.38µm Gold (Au), Through Hole Option, Tail Length 1.96mm, Left Key

**Documents:**

[3D Model](#) [Product Specification PS-75783-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

Product Family I/O Connectors  
 Series [75783](#)  
 Application Wire-to-Board  
 Comments Positive or passive latching cable available  
 Component Type Receptacle  
 Overview iPass™  
 Product Name iPass™, PCI Express\*, SAS, Serial ATA  
 Type N/A  
 UPC 822350092333

**Physical**

Circuits (Loaded) 36  
 Circuits (maximum) 36  
 Color - Resin Black  
 Durability (mating cycles max) 50  
 Flammability 94V-0  
 Gender Female  
 Keying to Mating Part Yes  
 Lock to Mating Part None  
 Material - Metal Copper-Nickel-Zinc, High Performance Alloy (HPA)  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Material - Resin High Temperature Thermoplastic  
 Net Weight 3.070/g  
 Number of Rows 2  
 Orientation Right Angle  
 PC Tail Length 1.96mm  
 PCB Locator Yes  
 PCB Retention Yes  
 PCB Thickness - Recommended 1.57mm  
 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  
 Ports 1  
 Surface Mount Compatible (SMC) Yes  
 Temperature Range - Operating -40°C to +80°C  
 Termination Interface: Style Surface Mount, Through Hole



image - Reference only

**EU RoHS**

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

**China RoHS**



**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**

[75783Series](#)

**Use With**

iPass™ Cable Assemblies, [79575](#) , [79576](#) , [74562](#) , [74563](#) , [79536](#) , [74573](#) , [74569](#) , [74586](#)

|                          |     |
|--------------------------|-----|
| Waterproof / Dustproof   | No  |
| Wire Insulation Diameter | N/A |
| Wire Size AWG            | N/A |

### **Electrical**

|                               |                 |
|-------------------------------|-----------------|
| Current - Maximum per Contact | 0.5A            |
| Grounding to Panel            | None            |
| Voltage - Maximum             | 30V AC (RMS)/DC |

### **Solder Process Data**

|  |                           |
|--|---------------------------|
| 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                       |

### **Material Info**

#### **Reference - Drawing Numbers**

|                           |              |
|---------------------------|--------------|
| Electrical Model Document | EE-75586-001 |
| Product Specification     | PS-75783-001 |
| S-Parameter Model         | SP-75586-001 |
| Sales Drawing             | SD-75783-001 |

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