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Part Number: [75783-0243](#)
Status: **Active**
Overview: [iPass™](#)
Description: 0.80mm Pitch, iPass™ I/O SMT Receptacle, Right Angle, Internal Assembly with Shell, 50 Circuit, 0.76µm Gold (Au), Through Hole Option, Tail Length 2.79mm, Dual Key

Documents:

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

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 822350838115

Physical

Circuits (Loaded) 50
 Circuits (maximum) 50
 Color - Resin Black
 Durability (mating cycles max) 250
 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 3.816/g
 Number of Rows 2
 Orientation Right Angle
 PC Tail Length 2.79mm
 PCB Locator Yes
 PCB Retention Yes
 PCB Thickness - Recommended 2.36mm
 Packaging Type Embossed Tape on Reel
 Panel Mount No
 Pitch - Mating Interface 0.80mm
 Pitch - Termination Interface 0.80mm
 Plating min - Mating 0.762µm
 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



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
 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](#)

| | |
|------------------------------|-----------------------------|
| Termination Interface: Style | Surface Mount, Through Hole |
| 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) | 40 |
| 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

| | |
|---------------------------|--------------|
| Application Specification | AS-75783-001 |
| 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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