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**Part Number:** 76866-0013  
**Status:** Active  
**Overview:** iPass+™ HD Interconnect System  
**Description:** iPass+™ HD Cage and Receptacle 1x4 , 0.76µm, Lead-Free

**Documents:**  
[3D Model](#)  
[Drawing \(PDF\)](#)  
[Product Specification PS-76866-001 \(PDF\)](#)  
[Application Specification AS-76866-001 \(PDF\)](#)  
[Application Specification AS-76866-002 \(PDF\)](#)  
[Test Summary TS-76866-001 \(PDF\)](#)  
[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980  
UL E107635

General

Product Family I/O Connectors  
Series 76866  
Application Wire-to-Board  
Component Type External Integrated Cage, Receptacle  
Electrical Model Yes  
Overview iPass+™ HD Interconnect System  
Product Name iPass+™  
Type N/A  
UPC 884982008250

Physical

Circuits (Loaded) 144  
Circuits (maximum) 144  
Color - Resin Black  
Durability (mating cycles max) 250  
Flammability 94V-0  
Lock to Mating Part Yes  
Material - Metal High Performance Alloy (HPA)  
Material - Plating Mating Gold over Nickel  
Material - Plating Termination Tin  
Material - Resin High Temperature Thermoplastic  
Net Weight 28.888/g  
Orientation Right Angle  
PCB Locator Yes  
PCB Retention Yes  
PCB Thickness - Recommended 1.37mm  
Packaging Type Tray  
Panel Mount No  
Pitch - Mating Interface 0.75mm  
Pitch - Termination Interface 0.75mm  
Plating min - Mating 0.762µm, 1.524µm  
Polarized to Mating Part Yes  
Polarized to PCB Yes  
Temperature Range - Operating -40°C to +80°C  
Termination Interface: Style Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact 1A  
Voltage - Maximum 30V AC (RMS)/DC

Material Info

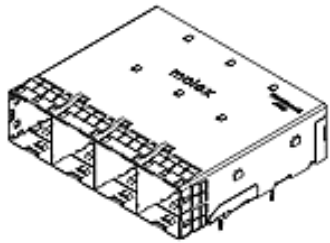


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Series

**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**  
76866Series

**Mates With**  
111068 iPass™ Cable Assembly

**Application Tooling | FAQ**  
*Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.*

| Global          |            |
|-----------------|------------|
| Description     | Product #  |
| Press-In Tool   | 0622030050 |
| HD Removal Tool | 0622030060 |

**Reference - Drawing Numbers**

|                           |                            |
|---------------------------|----------------------------|
| Application Specification | AS-76866-001, AS-76866-002 |
| Electrical Model Document | EE-76866-001               |
| Product Specification     | PS-76866-001               |
| Sales Drawing             | SD-76866-003               |
| Test Summary              | TS-76866-001               |

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