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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:**

<a href="#">3D Model</a>	<a href="#">Application Specification AS-76866-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Application Specification AS-76866-002 (PDF)</a>
<a href="#">Product Specification PS-76866-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**Agency Certification**

CSA	LR19980
UL	E107635

**General**

Product Family	I/O Connectors
Series	<a href="#">76866</a>
Application	Wire-to-Board
Component Type	I/O Plug Connector Subassembly, Receptacle
Overview	<a href="#">iPass+™ HD Interconnect System</a>
Product Name	iPass+™
Type	N/A
UPC	884982008250

**Physical**

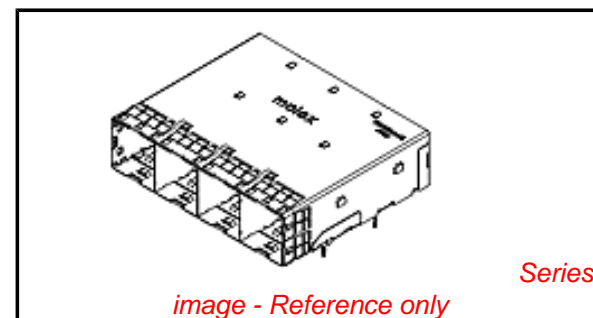
Circuits (Loaded)	144
Circuits (maximum)	144
Color - Resin	Black
Durability (mating cycles max)	250
Flammability	94V-0
Lock to Mating Part	Yes
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold over Nickel
Material - Plating Termination	Tin
Material - Resin	High Temperature 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**

**Reference - Drawing Numbers**



**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	<a href="#">0622030050</a>
HD Removal Tool	<a href="#">0622030060</a>

Application Specification  
Electrical Model Document  
Product Specification  
S-Parameter Model  
Sales Drawing

AS-76866-001, AS-76866-002  
EE-76866-001  
PS-76866-001  
SP-76866-001  
SD-76866-003

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