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**Part Number:** [0768661015](#)  
**Status:** **Active**  
**Overview:** iPass+™ HD Interconnect System  
**Description:** iPass+™ HD Cage and Receptacle 1x2, 0.76µm, Lead-Free

**Documents:**

<a href="#">3D Model</a>	<a href="#">Application Specification AS-76866-002 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Test Summary TS-76866-001 (PDF)</a>
<a href="#">Product Specification PS-76866-001 (PDF)</a>	<a href="#">Test Summary TS-76866-100 (PDF)</a>
<a href="#">Application Specification AS-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	External Integrated Cage, Receptacle
Electrical Model	Yes
Overview	<a href="#">iPass+™ HD Interconnect System</a>
Product Name	iPass+™
Type	N/A
UPC	887191048871

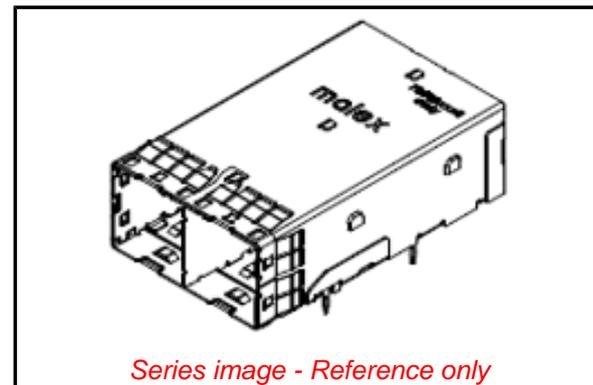
**Physical**

Circuits (Loaded)	72
Circuits (maximum)	72
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	14.033/g
Orientation	Right Angle
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.57mm
Packaging Type	Tray
Panel Mount	No
Pitch - Mating Interface	0.75mm
Pitch - Termination Interface	0.75mm
Plating min - Mating	0.762µm
Plating min - Termination	0.762µm
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	0.75A
Voltage - Maximum	30V AC (RMS)/DC

**Solder Process Data**



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Contains SVHC(2014 December 17): No

**Halogen-Free**

**Status**

**Low-Halogen**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS

ELV

Green Image

Not Relevant

**Search Parts in this Series**

[76866 Series](#)

**Mates With**

iPass™ Cable Assembly [111068](#) , [111075](#)

**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>

Lead-freeProcess Capability

N/A

**Material Info**

**Reference - Drawing Numbers**

Application Specification	AS-76866-001, AS-76866-002
Electrical Model Document	EE-76866-100
Product Specification	PS-76866-001
S-Parameter Model	SP-76866-100
Sales Drawing	SD-76866-1000
Signal Integrity Report	SI-76866-101
Test Summary	TS-76866-001, TS-76866-100

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