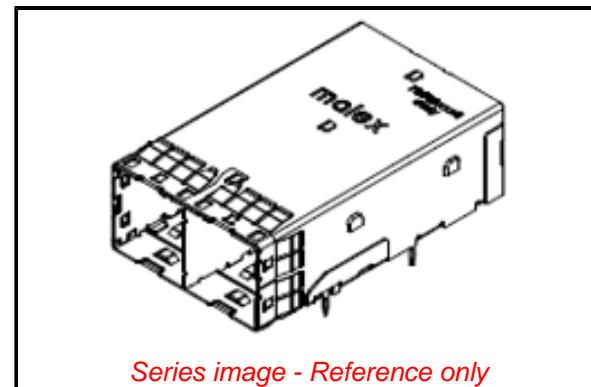


**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**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-76866-001-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Application Specification AS-76866-002-001 (PDF)</a>
<a href="#">Product Specification PS-76866-001-001 (PDF)</a>	<a href="#">Packaging Specification PK-76866-001 (PDF)</a>
<a href="#">Product Specification TS-76866-001-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification TS-76866-1004-001 (PDF)</a>	



*Series image - Reference only*

**Agency Certification**

CSA	LR19980
UL	E107635

**General**

Product Family	I/O Connectors
Series	<u>76866</u>
Application	Wire-to-Board
Component Type	External Integrated Cage, Receptacle
Electrical Model	Yes
Overview	<u>iPass+ HD Interconnect System</u>
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

**EU ELV**

**Compliant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
ED/30/2017 (7 July  
2017)

**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	Green Image
ELV	Compliant
RoHS Phthalates	Not Contained

**Search Parts in this Series**

76866 Series

**Mates With**

iPass™ Cable Assembly 111068 , 111075 ,  
111077

**Solder Process Data**

Lead-free Process Capability

N/A

**Material Info****Reference - Drawing Numbers**

Application Specification

AS-76866-001-001, AS-76866-002-001

Electrical Model Document

EE-76866-1004

Packaging Specification

PK-76866-001

Product Specification

PS-76866-001-001, TS-76866-001-001,  
TS-76866-1004-001

S-Parameter Model

SP-76866-100, SP-76866-1004

Sales Drawing

SD-76866-1000

This document was generated on 08/30/2017

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