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Part Number: [0768661011](#)
Status: **Active**
Overview: [iPass+ HD Interconnect System](#)
Description: [iPass+™ HD Cage and Receptacle 1x1, 0.76µm, Lead-Free](#)

Documents:

- | | |
|---|--|
| 3D Model | Application Specification AS-76866-001-001 (PDF) |
| Drawing (PDF) | Application Specification AS-76866-002-001 (PDF) |
| Product Specification PS-76866-001-001 (PDF) | Packaging Specification PK-76866-001 (PDF) |
| Product Specification TS-76866-001-001 (PDF) | RoHS Certificate of Compliance (PDF) |
| Product Specification TS-76866-1004-001 (PDF) | |

Agency Certification

CSA	LR19980
UL	E107635

General

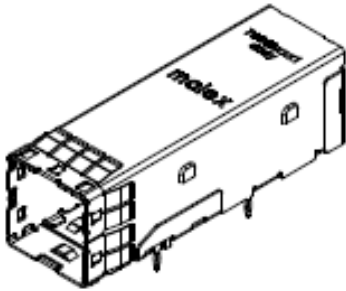
Product Family	I/O Connectors
Series	76866
Application	Wire-to-Board
Component Type	External Integrated Cage, Receptacle
Electrical Model	Yes
Overview	iPass+ HD Interconnect System
Product Name	iPass+™
Type	N/A
UPC	887191048857

Physical

Circuits (Loaded)	36
Circuits (maximum)	36
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	7.658/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



Series image - Reference only

EU ELV

Not Relevant

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
Please visit the [Contact Us](#) section for any
non-product compliance questions.

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series

[76866 Series](#)

Mates With

iPass™ Cable Assembly [111068](#) , [111075](#) ,
[111077](#)

Solder Process Data

Lead-freeProcess CapabilityN/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

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